

WASTE SITE ASSESSMENT REPORT

Savannah River Laboratory
Seepage Basins (U)

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WASTE SITE ASSESSMENT REPORT

SAVANNAH RIVER LABORATORY SEEPAGE BASINS

September 5, 1989

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Prepared for the U. S. Department of Energy under Contract No. DE-AC09-88SR18035

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I. INTRODUCTION AND SUMMARY

SUMMARY OF BACKGROUND INFORMATION

The Savannah River Laboratory (SRL) Seepage Basins are located in the northwestern section of the Savannah River Site (SRS) in the 700 Area. Currently, the four basins are out of service, and they are awaiting closure in accordance with the Consent Decree pursuant to Civil Act No. 1:85-2583. When in operation, the basins received low-level radioactive wastewater from laboratories located in Buildings 735-A and 773-A. A total of 128,820 m³ of wastewater was sent to the basins. Only wastewater with radioactivity less than 100 d/m/mL alpha and/or 50 d/m/mL beta-gamma was discharged to the basins. The basins were used from 1954 until October 1982.

In 1983, a program to characterize the basins was conducted to determine whether sediment and groundwater contamination existed at the waste site as a consequence of the facility operation. Low concentrations of radioactive and nonradioactive constituents were found in the sediments beneath the seepage basins. There are nine water table monitoring wells located in the vicinity of the SRL Seepage Basins. Six of these wells are sampled quarterly to monitor the water table. The other three wells are A/M Area plume definition wells. Data from the six water-table wells monitored quarterly indicate elevated levels of barium, chloride, sodium, manganese, specific conductance, iron, zinc, calcium, and chlorinated solvents in the groundwater. A summary of these data is provided in this document.

This Waste Site Assessment for the SRL Seepage Basins is the second in a series of documents being prepared to support development of an appropriate closure plan for these basins. The closure of these basins will be designed to provide protection to human health and the environment and to meet the provisions of the Consent Decree. A Technical Data Summary for these basins has already been submitted as part of the Consent Decree. This Site Assessment Report includes a waste site characterization, and a discussion of closure options for the basins. A closure option is recommended in this report, but details of the recommended closure are not provided in this report since they will be provided in a subsequent closure plan. The closure plan is the third document required under the Consent Decree.

DESCRIPTION OF CLOSURE OPTIONS

SRL is presently developing a closure plan to decommission the SRL Seepage Basins in a manner that will satisfy the Consent Decree and protect human and ecological health. A variety of appropriate remedial action alternatives exist. The alternatives identified and assessed herein include:

- Option A - Backfill Basins
- Option B - Backfill Basins and Cap
- Option C - Excavate Contaminated Sediments and Backfill Basin

Under all options, long term groundwater monitoring would be implemented. Option A represents a baseline scenario for comparison purposes, while options B and C correspond to the allowable closure options under 40 CFR 264.

RECOMMENDED CLOSURE OPTION

Closure Option B, which is backfilling and capping the basins, is the recommended closure option. Option B reduces the migration of constituents in the SRL Seepage basins thus diminishing the environmental impacts of the basins. Option B is recommended over Option C because the occupational health risks associated with excavation of the soil may outweigh the marginal increase in remediation. Option A was not chosen because it does not provide the level of environmental and health protection provided by the other options, nor does it meet the requirements of 40 CFR 264 as stipulated in the Consent Decree.

II. WASTE SITE CHARACTERIZATION

BACKGROUND

The SRL Seepage Basins are located on the east side of A Area (Figure 1). The first two basins, basins 1 and 2, were placed into operation in 1954; and basins 3 and 4 were added in 1958 and 1960, respectively. The dimensions and volumes of the basins are presented in Table 1. All four basins were taken out of service in 1982.

The influent wastewater was generated in laboratories at SRL. Prior to discharge to the basins, the wastewater was stored in receiving tanks. The water was monitored to ensure that the aforementioned radiation limits were not exceeded. If the water exceeded the radiation limits, it was transported in 4,000 gallon tank trailers to the Separations Department for disposal. During the 28-year operating history of the basins, approximately 34 million gallons of wastewater were discharged to the basins; one million gallons were transferred to the general purpose evaporators via tank trailers. Presently, SRL is sending all of its low level radioactive liquid waste to the general purpose evaporators for disposal.

SRL technical personnel have completed a variety of studies to characterize the SRL Seepage Basins. Sampling of the soils within the basins and the groundwater surrounding the seepage basins has also been completed. The results of these studies are summarized in this report.

SOIL CHARACTERIZATION

After the seepage basins were taken out of service, a comprehensive soil sampling program was planned and implemented in early 1983 to determine the conditions of the site and the mobility of any contamination present at the site. The characterization program included analyses of basin sediment samples.

Figure 2 shows the location of the soil cores taken within each basin. Cores were taken to a depth of 6.1 m. The cores were segmented at depths of 0.076 m, 0.15 m, 0.23 m, 0.30 m, 0.38 m, 0.46 m, 0.53 m, 0.61 m, 1.5 m, 2.4 m, 3.4 m, 4.3 m, and 5.2 m. Sediments were analyzed for radionuclides, cations, anions, and organic compounds. Typical vertical concentration profiles observed for inorganics and radionuclides in cores from the waste site are presented in Figures 3, 4, and 5. The concentrations of many radionuclides and metals are elevated in the top 7.6 cm of the core, but concentrations generally decrease to low levels within the top 0.3 to 0.6 m. Concentrations from 0.6 to 6.1 m are relatively low. A summary of the results from the soil analysis program is presented in Appendix A, and the complete data set is in the SRL Seepage Basins TDS (Bransford et al., 1988).

To aid in classifying the seepage basin sediments, EP toxicity tests (metals only) were performed as part of the 1983 characterization study. The results of the EP toxicity test for the most concentrated (0 to 7.6 cm) SRL Seepage Basins sediments are presented in Table 2. All samples were below EP toxicity test guidelines. Additionally, the lithologic descriptions in the TDS indicate that the bottom of the basins do not contain a discernable layer of waste related sludge.

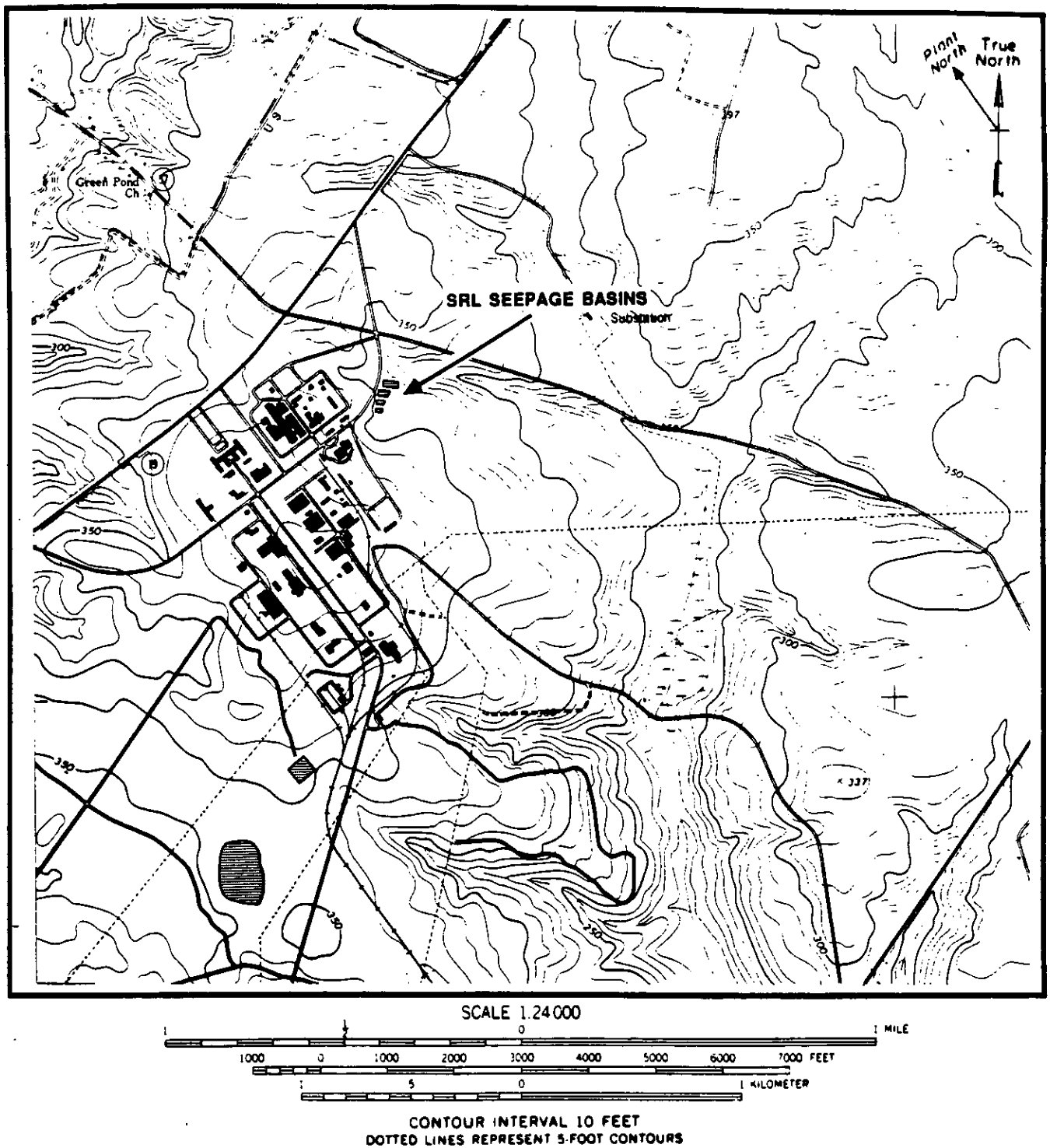


FIGURE 1. Location of the SRL Seepage Basins

TABLE 1. SRL Seepage Basin's Dimensions and Volumes

<u>Basin No.</u>	<u>Year Constructed</u>	<u>L x W x D - ft</u>	<u>Capacity Gallons*</u>
1	1954	129 x 62 x 6.5	214,000
2	1954	129 x 129 x 6.5	2,000,000
3	1958	175 x 125 x 8.9	1,630,000
4	1960	300 x 150 x 11.0	4,320,000

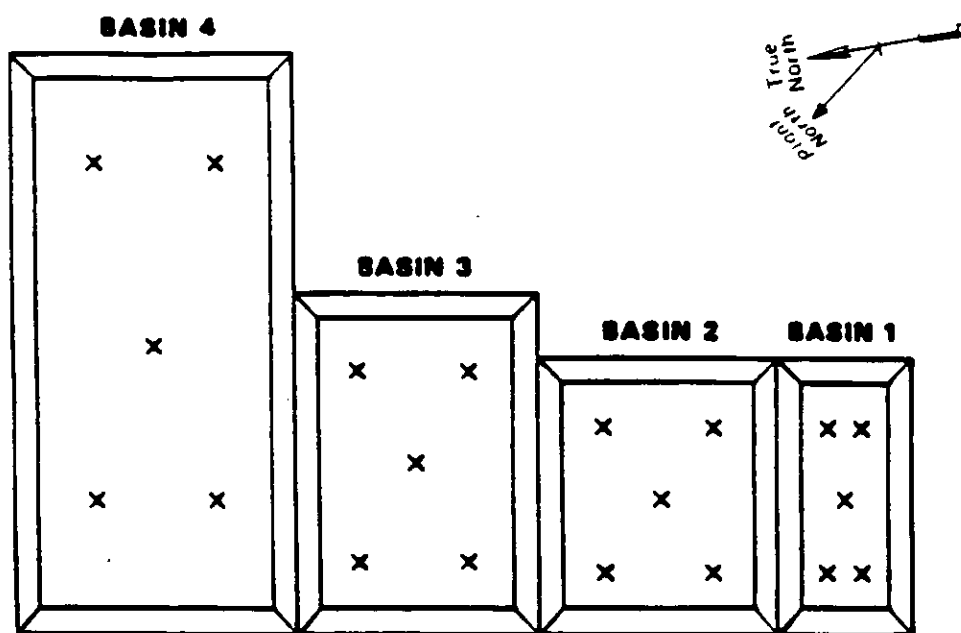


FIGURE 2. Location of Soil Borings in the SRL Seepage Basins

Cobalt 60 in SRL Seepage Basin Cores

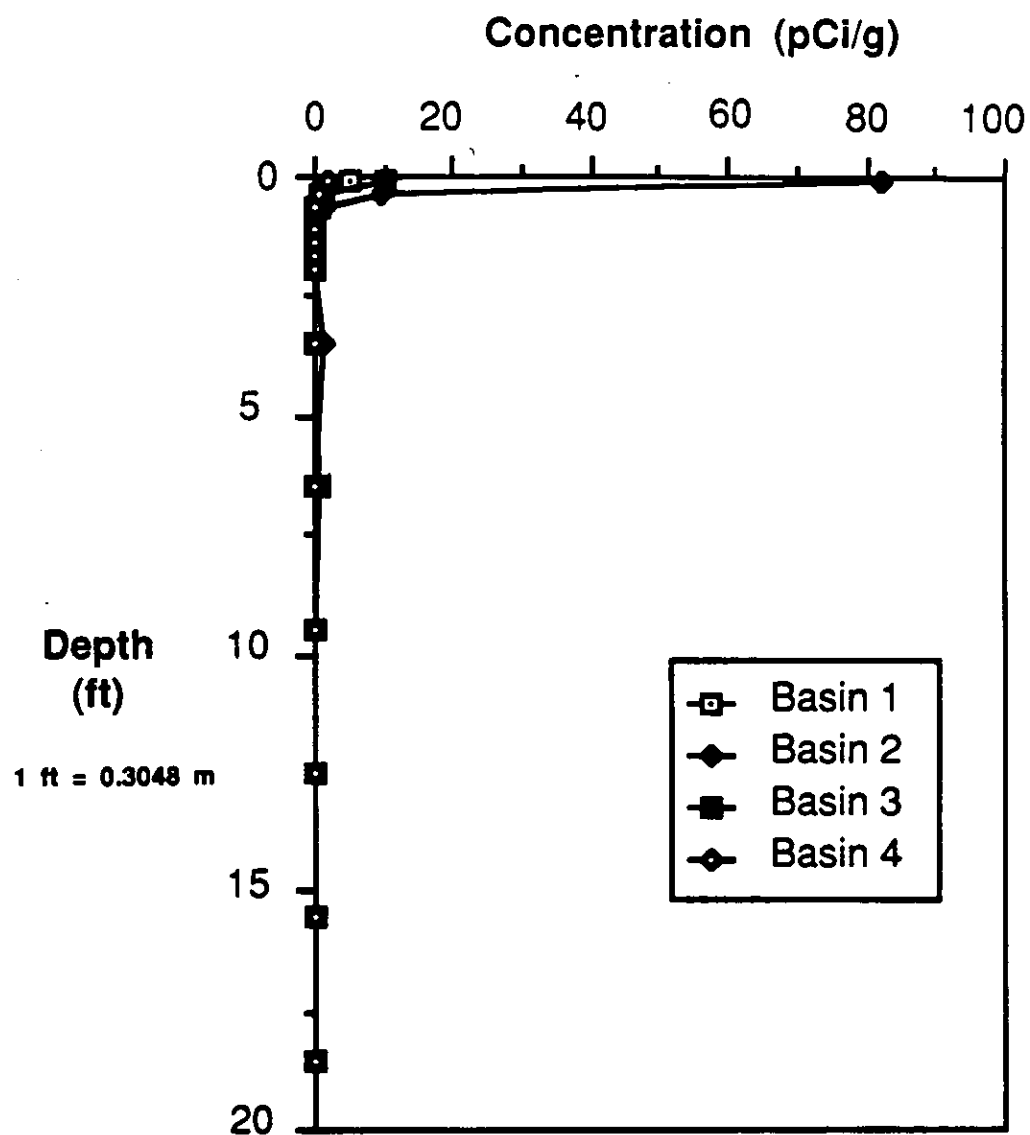


FIGURE 3. ^{60}Co in SRL Seepage Basins Cores

Cesium 137 in SRL Seepage Basin Cores

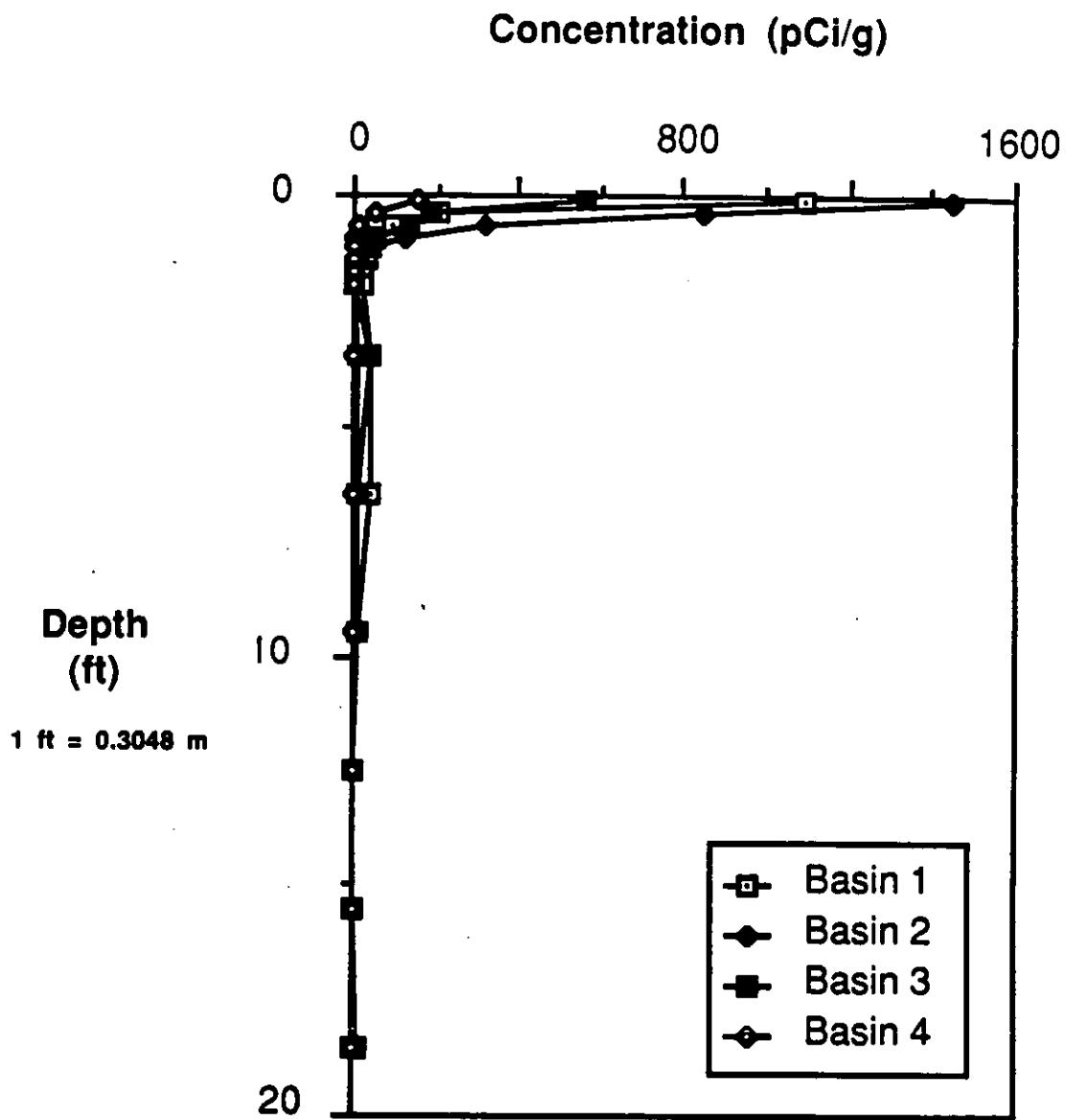


FIGURE 4. ^{137}Cs in SRL Seepage Basins Cores

Mercury in SRL Seepage Basin Cores

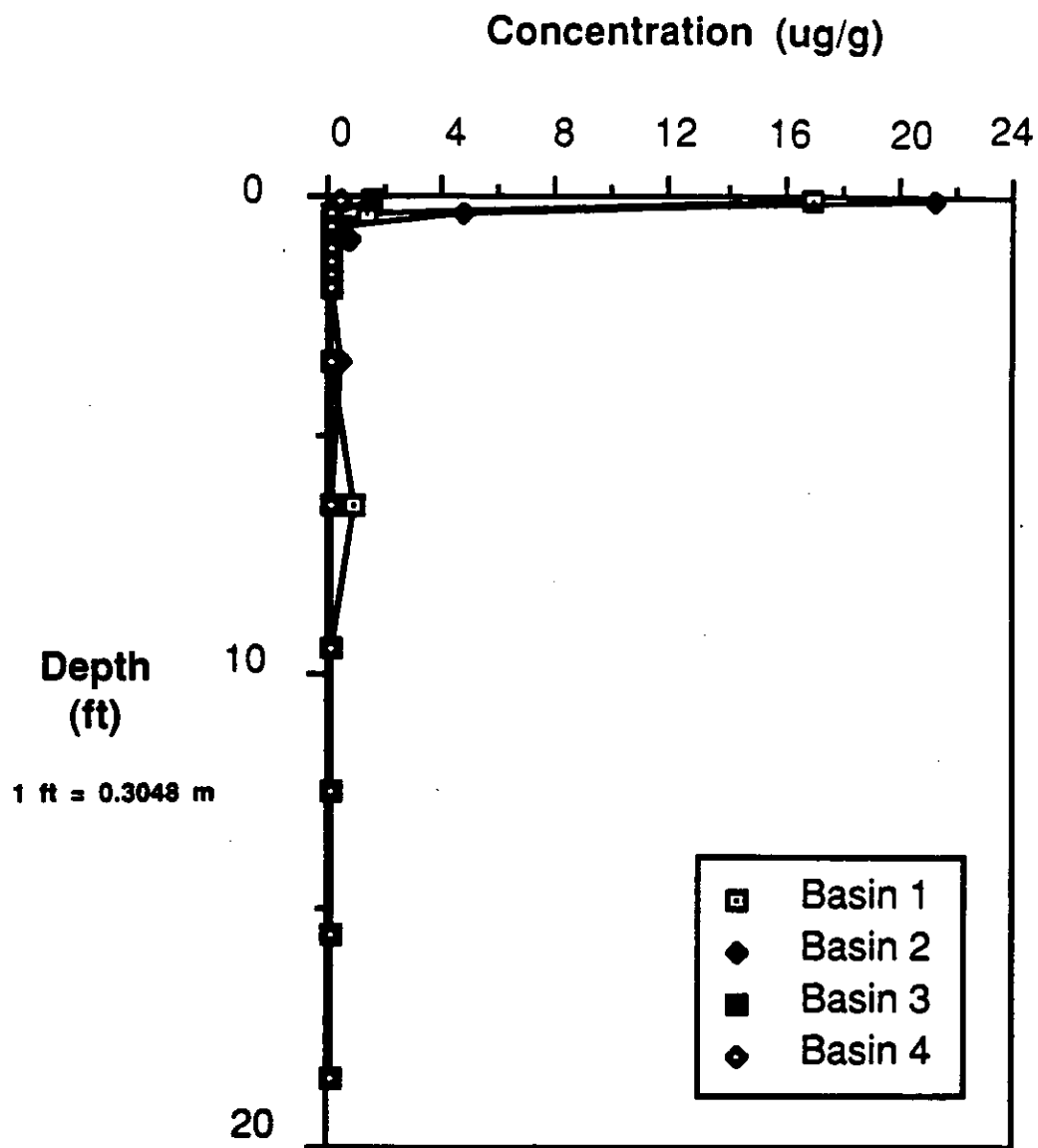


FIGURE 5. Mercury in SRL Seepage Basins Cores

TABLE 2. EP Toxicity Test Data for SRL Seepage Basins Sediment

EPA Guideline (100 x MCL)	Concentration (mg/L)							
	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	<u>5.000</u>	<u>100.000</u>	<u>1.000</u>	<u>5.000</u>	<u>5.000</u>	<u>0.2000</u>	<u>1.000</u>	<u>5.0000</u>
Detection Limit	<u>0.001</u>	<u>0.001</u>	<u>0.001</u>	<u>0.005</u>	<u>0.010</u>	<u>0.0002</u>	<u>0.001</u>	<u>0.0005</u>
ASB 101	0.002	0.257	0.015	0.005	0.010	0.0048	0.001	0.0005
ASB 102	0.003	0.373	0.019	0.021	0.010	0.0018	0.001	0.0005
ASB 103	0.001	0.245	0.014	0.005	0.010	0.0009	0.001	0.0005
ASB 104	0.004	0.700	0.072	0.102	0.026	0.1351	0.001	0.0005
ASB 105	0.003	0.219	0.007	0.005	0.010	0.0004	0.001	0.0005
Basin 1 (avg)	<u>0.003</u>	<u>0.359</u>	<u>0.025</u>	<u>0.028</u>	<u>0.013</u>	<u>0.0286</u>	<u>0.001</u>	<u>0.0006</u>
ASB 201	0.031	0.575	0.130	0.028	0.015	0.0005	0.001	0.0008
ASB 202	0.002	0.226	0.006	0.005	0.010	0.0007	0.001	0.0010
ASB 203	0.004	1.660	0.309	0.141	0.263	0.0003	0.001	0.0010
ASB 204	0.002	0.236	0.002	0.005	0.010	0.0002	0.001	0.0005
ASB 205	0.002	0.463	0.021	0.060	0.010	0.0044	0.001	0.0006
Basin 2 (avg)	<u>0.008</u>	<u>0.632</u>	<u>0.094</u>	<u>0.048</u>	<u>0.062</u>	<u>0.0012</u>	<u>0.001</u>	<u>0.0008</u>
ASB 301	0.001	0.268	0.009	0.005	0.010	0.0007	0.001	0.0005
ASB 302	0.001	0.352	0.015	0.005	0.010	0.0003	0.001	0.0005
ASB 303	0.001	0.273	0.023	0.005	0.010	0.0002	0.001	0.0005
ASB 304	0.001	0.245	0.004	0.005	0.010	0.0002	0.001	0.0005
ASB 305	0.001	0.216	0.006	0.005	0.010	0.0008	0.001	0.0005
Basin 3 (avg)	<u>0.001</u>	<u>0.271</u>	<u>0.011</u>	<u>0.005</u>	<u>0.010</u>	<u>0.0004</u>	<u>0.001</u>	<u>0.0005</u>
ASB 401	0.001	0.303	0.013	0.005	0.010	0.0002	0.001	0.0005
ASB 402	0.001	0.160	0.008	0.005	0.010	0.0003	0.001	0.0005
ASB 403	0.001	0.043	0.012	0.006	0.010	0.0008	0.001	0.0005
ASB 404	0.001	0.183	0.007	0.005	0.010	0.0002	0.001	0.0005
ASB 405	0.001	0.218	0.012	0.006	0.010	0.0002	0.001	0.0005
Basin 4 (avg)	<u>0.001</u>	<u>0.181</u>	<u>0.010</u>	<u>0.005</u>	<u>0.010</u>	<u>0.0003</u>	<u>0.001</u>	<u>0.0005</u>

Note: Increments for each core are from 0 to 7.6 cm.

Figure 6 shows a cross section across the SRL Seepage Basins with the approximate original ground surface sketched in. The profile indicates that some fill dirt was used in the construction of basin 4. It is likely that this fill dirt has a different chemical composition than the native subsoil material at the site. Small differences in the chemistry of the fill dirt might account for the apparently "elevated" concentrations and unusual spatial distributions of some elements (e.g., arsenic, chromium, copper, and fluoride). Interviews with SRL staff who were working during the operational period of the basins suggest that basin 4 was seldom used. Nonetheless, we recommend that all of the subject basins be closed using the closure option selected herein to assure a high level of environmental protection.

GROUNDWATER CHARACTERIZATION

There are six water table monitoring wells in the vicinity of the SRL Seepage Basins that have been monitored quarterly for a wide range of constituents. The data collected from these wells have been analyzed statistically and compared with regulatory standards. The results of that analysis are discussed in the following text.

Monitoring Well Network

A total of nine wells have been installed around the SRL Basins. Six water-quality monitoring wells (ASB 1 through 6) were installed immediately adjacent to the basins in 1981. Three additional water table wells (ASB 7 through 9) were installed as part of a 1983 basin characterization program (Bransford et al., 1985) and are currently part of the A/M Area plume definition well network. Locations of these wells are shown in Figure 6. Subsequent to completion of the 1983 basin characterization program, wells ASB 1, 2, 5, and 6 were replaced by monitoring wells constructed with PVC casing and equipped with dedicated submersible pumps. Wells ASB1A, ASB 2A, ASB 3A, ASB 4, ASB 5A, and ASB 6A are the protocol monitoring wells for the SRL Seepage Basins. Construction information for each water table monitoring well is presented in Appendix C. These wells have been approved for groundwater monitoring as part of the M-Area Hazardous Waste Management Facility Part B Permit.

Groundwater Monitoring Program

The six protocol water table monitoring wells are sampled quarterly and analyzed for set of parameters listed in Table 3. As specified by the Consent Decree this list is derived from the requirements of R. 61-79.265.92 (b)(1) - (3) (South Carolina Hazardous Waste Management Regulations). All protocol groundwater monitoring data collected from wells ASB 1A, 2A, 3A, 4, 5A, and 6A are presented in Appendix B.

Data Screening

Appendix B contains all of the analytical data for each well used in the characterization of groundwater at the SRL Seepage Basins including field and quality assurance data. Prior to statistical analysis the data was screened according to the conventions listed below.

Parameters Measured in the Field. The most representative values of the indicator parameters pH and specific conductivity are obtained from measurements made in the field. Whereas additional measurements of these parameters may be made in the laboratory as a quality assurance procedure, the field values are the most representative and therefore are the only ones used in the groundwater quality assessments.

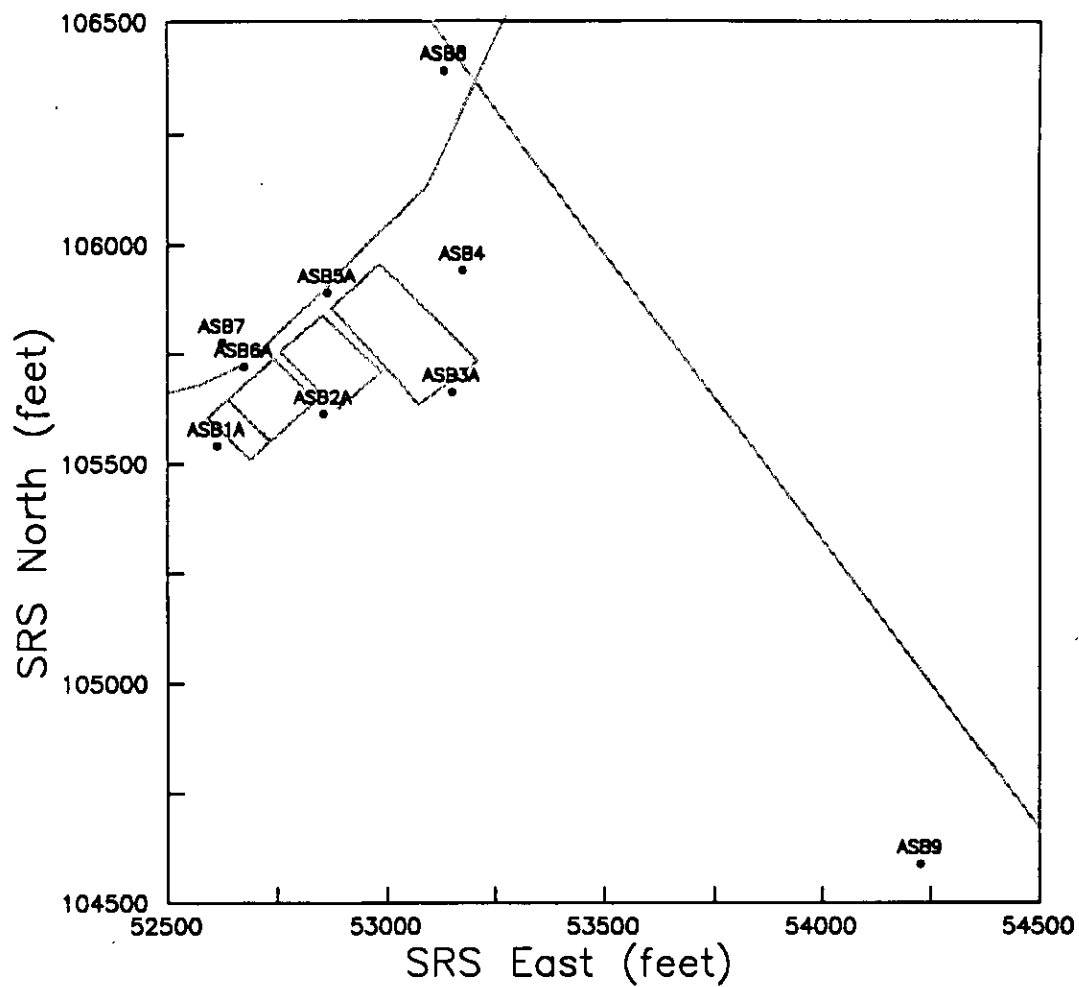


FIGURE 6. Water Table Monitoring Wells in the Vicinity of the SRL Seepage Basins

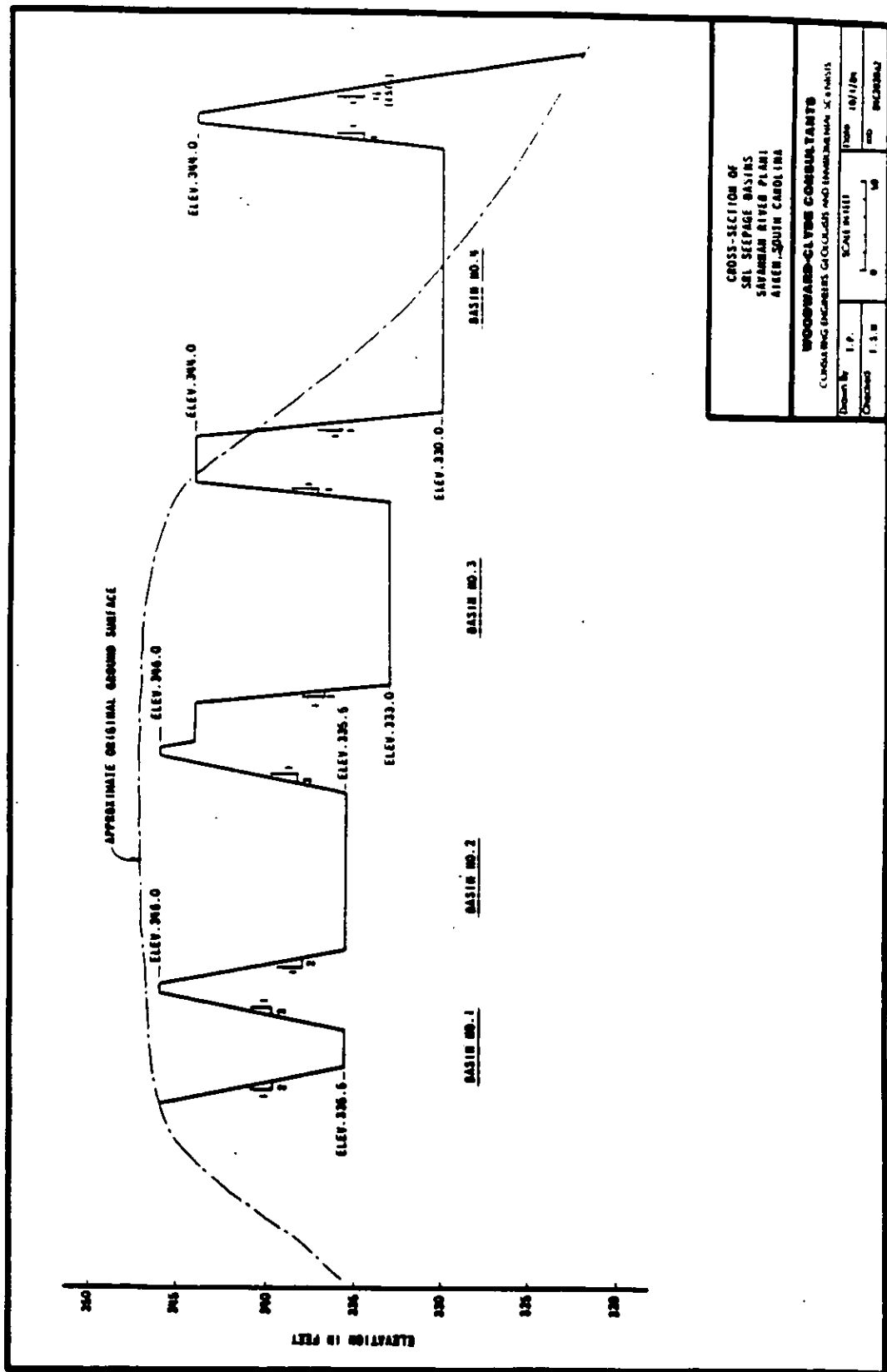


FIGURE 7. Cross-section of the SRL Seepage Basins

Table 3. List of Parameters Monitored Quarterly at the SRL Seepage Basins

	<u>Constituent</u>
Appendix III list:	As
	Ba
	Cd
	Cr
	Fluoride
	Pb
	Hg
	Nitrate (as N)
	Se
	Ag
	Endrin
	Lindane
	Methoxychlor
	Toxaphene
	2,4-D
	2,4,5-TP Silvex
	Ra
	Gross Alpha
	Gross Beta
Groundwater Quality:	Cl
	Fe
	Mn
	Phenols
	Na
	S04
Contamination Indicators:	pH
	Conductivity
	Tot. Org. Carbon
	Tot. Org. Halogen

Data Selection for Non-Radiological Parameters. SRS maintains contracts with three laboratories for analyses of samples (including groundwater) for environmental assessments. The primary laboratory (Envirodyne Engineers) is responsible for performing all normally scheduled analyses. A second laboratory is contracted for overflow and special project analyses and the third laboratory for quality control. Since different methods were often used by the different laboratories, only data from the primary laboratory was used in statistical impact assessments. This procedure was adopted because any variability not related to conditions in the field will reduce the sensitivity of statistical evaluation methods. Overall, this procedure minimizes the probability that impacts to the environment will remain undetected.

Data Selection for Radiological Parameters. Unlike the procedure for non-radiological parameters, the procedure for radiological parameters (gross alpha, non-volatile beta/gamma, total radium, and tritium) is to use all analytical data from all laboratories. This procedure is necessary because the primary radiological laboratory changed several times throughout the monitoring period.

Data Evaluation for Below Detection Level Results. In numerous cases, the results of chemical analyses were listed as below detection limits (BDL) of the analytical method. For data sets (a particular constituent in a particular well) where fifty percent or more of the results were listed as BDL, no statistical analyses were performed for that constituent in that well. For data sets with less than fifty percent of the analytical results listed as BDL, a value of one-half of the detection level was assigned to that particular analysis and included in the statistical computation. In either case, however, all analyses were compared to promulgated health-based standards (drinking water standards, maximum contaminant levels, or SRS groundwater protection standard) to assure that no significant impacts remained undetected.

Minimum Observations for Data Evaluation. The statistical techniques used to evaluate impacts require a minimum number of observations to validate the assumptions. Based on the requirements of the techniques, data sets with less than four sample periods (replicates counted as one sample) were not analyzed statistically. Consistent with procedures for samples with BDL results, all analyses were compared with promulgated standards to assure that no significant impacts remained undetected.

Data Evaluation for Replicate Samples. As part of the SRS quality assurance program, the primary laboratory performs replicate analyses of five percent of the samples. The results of replicate analyses are averaged and the average included in the statistical analyses.

Statistical Methods

Statistical comparisons of the results from monitoring wells around the SRL Seepage Basins with background values were performed using SCHWMMR R.61-79.264.92 procedures. Consistent with the Savannah River Site Hazardous Waste Permit for the M-Area, data from wells MSB 29D and MSB 43D were used as background wells for statistical comparisons. Background groundwater monitoring data is listed in Appendix B.

Statistical comparison of parameter concentrations between each downgradient well and the background wells was performed using the PROC TTEST procedure available in SAS; statistical computing software package. Unequal variances between data sets (downgradient and background) for a given parameter were accounted for by using the Satterthwaite Approximation to the Student's T-Test. A one-tailed statistical test is required for all parameters except pH in which case a two-tailed statistical test is required.

The SAS PROC TTEST procedure calculates the probability ($PROB > |t|$) of making a Type I Error. A Type I Error occurs when the null hypothesis is rejected when in fact it is true. In the case of the SRL Seepage Basins a Type I Error would occur if it was determined that there was an adverse impact on the groundwater when in fact there was not. SCHWMR R.61-79.264.97(h) establishes the acceptable level of Type I Errors at 0.05. When the probability of a Type I Error is less than 0.05 an impact has been detected. Since SAS PROC TTEST is a two-tailed statistical test all constituents requiring a one-tailed test were compared at the 0.1 level of significance. Statistical comparisons involving pH were compared at the 0.05 level of significance. Output from the SAS TTEST comparisons is presented in Appendix B.

Comparison with Regulatory Standards

Environmental impacts can be assessed either by statistical comparison to background as discussed above or by comparison to standards promulgated by regulatory agencies. These standards include the Primary Drinking Water Standards (DWS), Maximum Contaminant Levels, and Groundwater Protection Standards defined in the Hazardous Waste Permit for SRS. The strength of statistical evaluations is their great sensitivity to any environmental impact. Their limitation is the relatively large amount of data required for their use. In contrast, comparison to regulatory standards can be (and in this assessment was) applied to all data sets. This comparison, although not as sensitive as the statistical evaluation, ensures that impacts of potential significance to health and the environment are detected. All analyses were compared to existing promulgated standards and any exceedances were identified and their impacts discussed.

Assessment of Groundwater Quality

A groundwater quality evaluation in conformance with the requirements of R. 61-79.265.92 (b)(1) - (3) was performed using data collected from the monitoring program and data evaluation techniques described above. The data screening procedures divided the analytes into three groups:

1. Analytes which were never detected in any well at any time.
2. Analytes which were detected, but not in concentrations above background or promulgated regulatory limits.
3. Analytes detected in concentrations significantly above background or in excess of promulgated regulatory limits.

Each of these classes of data and their implications about the impacts of the SRL Basins on groundwater are discussed below.

Analytes Never Detected. Of the 77 constituents and parameters monitored (see Table 4), the 38 listed in Table 5 were not detected in any well at any time during the entire history of monitoring at the basins. This list includes a great percentage of the constituents commonly observed as industrial contaminants in groundwater. The absence of a diverse suite of these constituents, which is typically observed at uncontrolled waste sites, indicates that additional assessments of impact should be focused on constituents documented to be present in the waste stream.

Analytes Detected but not in Elevated Concentrations. Of the 77 constituents and parameters monitored, the 27 listed in Table 6 were detected, but not in concentrations significantly above background or in excess of regulatory standards. Note that gross alpha and total radium data sets did contain some elevated values, but statistical analyses indicated that these were not significantly above background. Because adequate data sets existed, statistical analyses were also performed for copper, nitrate as nitrogen, lead, nonvolatile beta, total dissolved solids, and total phosphates. For each data set evaluated, the statistical analysis indicated that concentrations measured in the downgradient wells were either not significantly different from or significantly less than background.

Analytes Detected in Elevated Concentrations. Of the 77 constituents and parameters monitored, the 12 listed in Table 7 were detected in concentrations significantly above background or in excess of a promulgated regulatory standard. The first nine parameters listed were determined to be significantly in excess of background. This list is consistent with the composition of the waste stream listed in Chapter 2 of the Technical Data Summary for the SRL Basins. The other three elevated parameters are the volatile organic chemicals (VOCs) tetrachloroethylene and trichloroethylene and the indicator, total organic halogens (TOH) used to detect their presence. The exact source of the VOCs is not defined. Multiple known and potential sources of VOCs exist in the A/M Area and their impacts are not entirely separable. Accordingly, the Hazardous Waste Permit Application (Volume III, Section J) requires that all such contamination will be assessed and remediated under the auspices of that permit. A facility specific Groundwater Quality Assessment Plan (GWQAP) and a Corrective Action Feasibility Plan for the SRL Seepage Basins will be prepared to address the constituents with elevated concentrations. These documents will present more detailed information regarding plume definition, assessment monitoring, and corrective action.

Spatial Distribution of Contaminants. The potentiometric map shown in the hydrogeologic section indicates that the direction of groundwater flow is from southeast to northwest (plant coordinate system) in the water table. This indicates that wells ASB 5A and ASB 6A are downgradient of the basins and should be most sensitive to impacts from the basin. With the exception of iron and zinc, the contaminant summary table indicates that these wells are the most highly impacted.

The spatial distribution of VOCs in the A/M Area of SRS has been characterized by the plume definition program associated with the M-Area Hazardous Waste Management Facility. As mentioned above, the data from this program have shown that multiple known and potential sources of VOCs exist in the A/M Area and their impacts are not entirely separable. However, the VOC contamination in the vicinity of SRL appears to be related to sources in A-Area associated with laboratory operations. The highest VOC concentrations in this area appear to be associated with past process water disposal in unlined surface drainages (e.g., Outfall A-001). The GWQAP will describe the plume definition in this specific portion of A/M Area.

TABLE 4. Groundwater Constituents Analyzed at the SRL Seepage Basins.

1,1,1-Trichloroethane	Lead
1,1,2,2-Tetrachloroethane	Lindane
1,1,2-Trichloroethane	Magnesium
1,1-Dichloroethane	Manganese
1,1-Dichloroethylene	Mercury
trans-Dichloroethylene	Chromium
1,2-Dichloroethane	Methoxychlor
1,2-Dichloropropane	Methylene Chloride
2,4-Dichlorophenoxyacetic Acid	Nickel
2-Chloroethylvinyl Ether	Nitrate as Nitrogen
Arsenic	Nitrite as Nitrogen
Barium	Non Volatile Beta
Benzene	Odor
Beryllium	pH
Bromodichloromethane	Phenols
Bromoform	Potassium
Bromomethane	Selenium
Cadmium	Silver
Calcium	Silvex
Carbon Tetrachloride	Sodium
Chloride	Specific Conductance
Chlorobenzene	Sulfates
Chloroethane	Sulfide
Chloroethene	Surfactants
Chloroform	Tetrachloroethylene
Chloromethane	Total Organic Hydrocarbon
Cis-1,3-Dichloropropene	Toluene
Color	Total Dissolved Solids
Copper	Total Organic Carbon
Corrosivity	Total Phosphates
Cyanide	Total Radium
Dibromochloromethane	Toxaphene
Dissolved Organic Carbon	Trans-1,3-Dichloropropene
Endrin	Trichloroethylene
Ethylbenzene	Trichlorofluoromethane
Fluoride	Tritium
GCScan	Turbidity
Gross Alpha	Zinc
Iron	

TABLE 5. List of Constituents Not Detected in the SRL Basins Monitor Well Network

SERIES	WELL	TESTNAME
ASB	1 A,2A,3A,4,5A,6A	1,1,1 -TRICHLOROETHANE
ASB	1 A,2A,3A,4,5A,6A	1,1 ,2,2-TETRACHLOROETHANE
ASB	1 A,2A,3A,4,5A,6A	1,1 ,2-TRICHLOROETHANE
ASB	1 A,2A,3A,4,5A,6A	1 ,1-DICHLOROETHANE
ASB	1 A,2A,3A,4,5A,6A	1 ,1-DICHLOROETHYLENE
ASB	1 A,2A,3A,4,5A,6A	1 ,2-DICHLOROETHANE
ASB	1 A,2A,3A,4,5A,6A	1 ,2-DICHLOROPROPANE
ASB	1 A,2A,3A,4,5A,6A	2,4-DICHLOROPHENOXYACETICACID
ASB	1 A,2A,3A,4,5A,6A	2-CHLOROETHYL VINYL ETHER
ASB	1 A,2A,3A,4,5A,6A	ARSENIC
ASB	1 A,2A,3A,4,5A,6A	BENZENE
ASB	1 A,2A,3A,4,5A,6A	BERYLLIUM
ASB	1 A,2A,3A,4,5A,6A	BROMODICHLOROMETHANE
ASB	1 A,2A,3A,4,5A,6A	BROMOFORM
ASB	1 A,2A,3A,4,5A,6A	BROMOMETHANE
ASB	1 A,2A,3A,4,5A,6A	CARBON TETRACHLORIDE
ASB	1 A,2A,3A,4,5A,6A	CHLOROBENZENE
ASB	1 A,2A,3A,4,5A,6A	CHLOROETHANE
ASB	1 A,2A,3A,4,5A,6A	CHLOROETHENE
ASB	1 A,2A,3A,4,5A,6A	CHLOROFORM
ASB	1 A,2A,3A,4,5A,6A	CHLOROMETHANE
ASB	1 A,2A,3A,4,5A,6A	CIS-1 ,3-DICHLOROPROPENE
ASB	1 A,2A,3A,4,5A,6A	CYANIDE
ASB	1 A,2A,3A,4,5A,6A	DIBROMOCHLOROMETHANE
ASB	1 A,2A,3A,4,5A,6A	DISSOLVED ORGANIC CARBON
ASB	1 A,2A,3A,4,5A,6A	ENDRIN
ASB	1 A,2A,3A,4,5A,6A	ETHYLBENZENE
ASB	1 A,2A,3A,4,5A,6A	LINDANE
ASB	1 A,2A,3A,4,5A,6A	METHOXYCHLOR
ASB	1 A,2A,3A,4,5A,6A	NITRITEASNITROGEN
ASB	1 A,2A,3A,4,5A,6A	SELENIUM
ASB	1 A,2A,3A,4,5A,6A	SILVER
ASB	1 A,2A,3A,4,5A,6A	SILVEX
ASB	1 A,2A,3A,4,5A,6A	SULFIDE
ASB	1 A,2A,3A,4,5A,6A	TOLUENE
ASB	1 A,2A,3A,4,5A,6A	TOXAPHENE
ASB	1 A,2A,3A,4,5A,6A	TRANS-1 ,3-DICHLOROPROPENE
ASB	1 A,2A,3A,4,5A,6A	TRICHLOROFLUOROMETHANE

TABLE 6. List of Constituents Detected in the SRL Basin Monitor Well Network in Concentrations Within Background or Regulatory Criteria.

Constituent Parameter	Well ASB1A	Well ASB2A	Well ASB3A	Well ASB4	Well ASB5A	Well ASB6A	Applicable Standard
Cadmium	BDL	2.00	BDL	BDL	BDL	BDL	10 ppb
Color (CU)		0.00	13.00	165.00	10.00	1,550.00	none
Copper	19.00	8.00	4.00	19.00	11.00	15.00	
Corrosivity (MMY)	0.00	0.00	0.00	0.00	0.00	0.00	
Fluoride	120.00	130.00	120.00	130.00	110.00	120.00	1,400-2,400*
GC Scan	BDL	BDL	BDL	196.00	54.00	BDL	none
Gross Alpha	10.00	20.00	23.00	12.00	7.00	19.00	15 pCi/L
Lead	35.00	26.00	23.00	11.00	13.50	36.00	50 ppb
Magnesium	752.00	781.00	1,230.00	1,360.00	1,030.00	740.50	
Mercury	0.20	0.29	0.48	0.29	0.37	0.17	2.0 ppb
Methylene Chloride	BDL	3.40	ND	ND	0.50	ND	
Nickel	BDL	BDL	6.00	30.50	3.50	6.00	
Nitrate as Nitrogen		600.00	363.50	412.00	1,150.00	1,000.00	10,000 ppb
Non Volatile Beta	7.00	20.00	21.00	9.00	6.67	11.00	
Odor (THON)	0.00	0.00	0.00	4.00	8.00	0.00	none
Phenols	11.00	5.00	7.00	12.00	3.00	5.00	
Potassium	375.00	410.00	530.00	793.00	409.00	450.00	
Sodium	8,600.00	12,300.00	4,260.00	4,950.00	7,380.00	4,990.00	
Sulfates	10,000.00	13,400.00	11,600.00	10,000.00	8,166.67	5,200.00	
Surfactants	BDL	10.00	BDL	BDL	BDL	BDL	none
Total Dissolved Solids	43,000.00	42,000.00	40,000.00	3,542,000.00	57,000.00	32,000.00	
Total Organic Carbon	2,500.00	11,450.00	3,000.00	14,500.00	2,500.00	2,500.00	none
Total Phosphates	40.00	30.00	30.00	20.00	52.00	40.00	
Total Radium	4.80	6.00	11.00	6.00	4.00	7.00	5 pCi/L
Tribium	1.58	1.74	6.13	5.06	3.74	3.00	20 pCi/L
Turbidity (TU)	6.50	2.20	85.00	34.00	135.00	150.00	none
Zinc	55.00	129.00	301.00	87.00	268.00	37.00	

* temperature dependent

** units for nonradioactive constituents is ppb, for radioactive is pCi/L, unless otherwise noted.

*** values shown are maximums, not averages

TABLE 7. Summary of Constituents Detected In Groundwater in Concentrations Significantly Above Background in the SRL Basin's Detection Well Network

A. Probability of Type I Error.

Constituent Parameter	Well ASB1A	Well ASB2A	Well ASB3A	Well ASB4	Well ASB5A	Well ASB6A
Barium	0.0242	0.0002	0.0001	0.0003	0.0001	0.0019
Chloride	0.0001	0.0001	0.0001	0.0059	0.0007	0.0001
Manganese	0.0005	0.0013	0.2079	0.8352	0.2066	0.0001
pH	0.0535	0.0225	0.0001	0.0002	0.1070	0.2647
Sodium	0.4022	0.0457	0.1463	0.3890	0.0008	0.0006
Specific Conductance	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Iron	0.5377	0.3679	0.0383	0.0568	0.2482	0.0816
Zinc	0.9495	0.4378	0.3863	0.0445	0.3830	0.7984
Calcium	-	-	-	0.0910	-	0.0131

B. Hazardous Constituents or Hazardous Waste Constituent Indicators Detected In Elevated Concentrations (Table Shows All Time Maxima).

Constituent Parameter	Well ASB1A	Well ASB2A	Well ASB3A	Well ASB4	Well ASB5A	Well ASB6A
TOH	22.00	17.00	25.10	71.00	356.00	44.30
Trichloroethylene	2.50	2.50	2.50	22.00	185.00	2.50
Tetrachloroethylene	3.58	2.50	2.50	ND	4.62	8.00

- Not enough data to calculate

Temporal Distribution of Contaminants. The downgradient wells most indicative of Basin impacts, ASB 5A and ASB 6A, have been used to illustrate temporal trends. The parameters specific conductance, sodium, and chloride were selected to indicate the trends because they are essentially conservative in groundwater; they are reflective of waste stream characteristics, and are not complicated by the potential for multiple sources as are the VOCs.

Figures 8, 9, and 10 are time series plots for specific conductance, sodium, and chloride, respectively. Each of these graphs shows a rise in concentrations between April and November of 1984 with a decline to relatively stable concentrations thereafter (water levels steadily decline and concentrations increase slightly between 8/85 and 4/89). The peak observed between April and November 1984 is reflective of trends in the waste stream composition discussed on page 2-3 of the TDS for the SRL Basins. Beginning in 1982, a volume reduction program was instituted for the basins. This program, which consisted primarily of eliminating dilute noncontact cooling water, resulted in increased concentrations for the final months of basin operation. One additional peak is prominent on the graph of sodium in well ASB 6A -- the large increase measured in sodium in the first quarter of 1989. A deeper well in cluster ASB 6 (ASB 6AA) was drilled between 10/88 and 12/88. The increase in sodium in well ASB 6A during this time is likely the result of well installation activities. The grout used to seal the annulus of well ASB 6AA contains high concentrations of various ions including sodium.. The correlation between quality of the basin waters and groundwater has three significant implications for future monitoring. First, it documents the sensitivity of monitoring wells to detect impacts from facility operation. Second, it documents that the impacts from the most concentrated waste have been detected. Third, it establishes the trend of water quality improvement indicating that future significant groundwater impacts are unlikely, especially if infiltration is reduced.

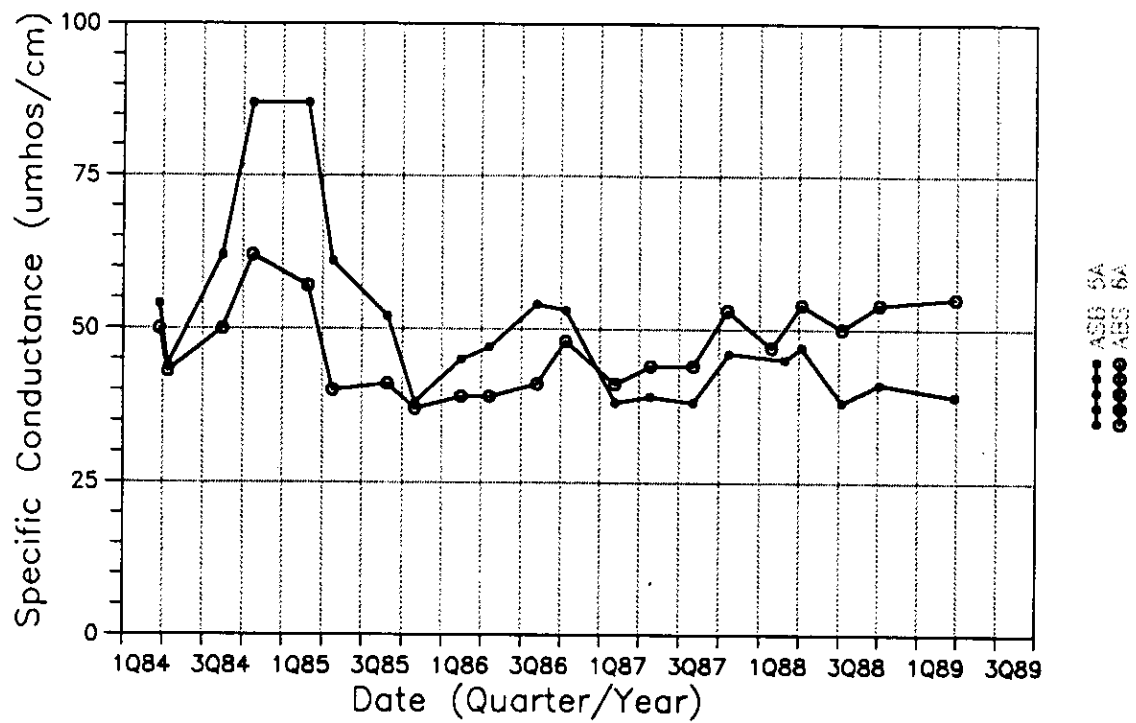


FIGURE 8. Specific Conductance vs. Time at the SRL Seepage Basins Wells

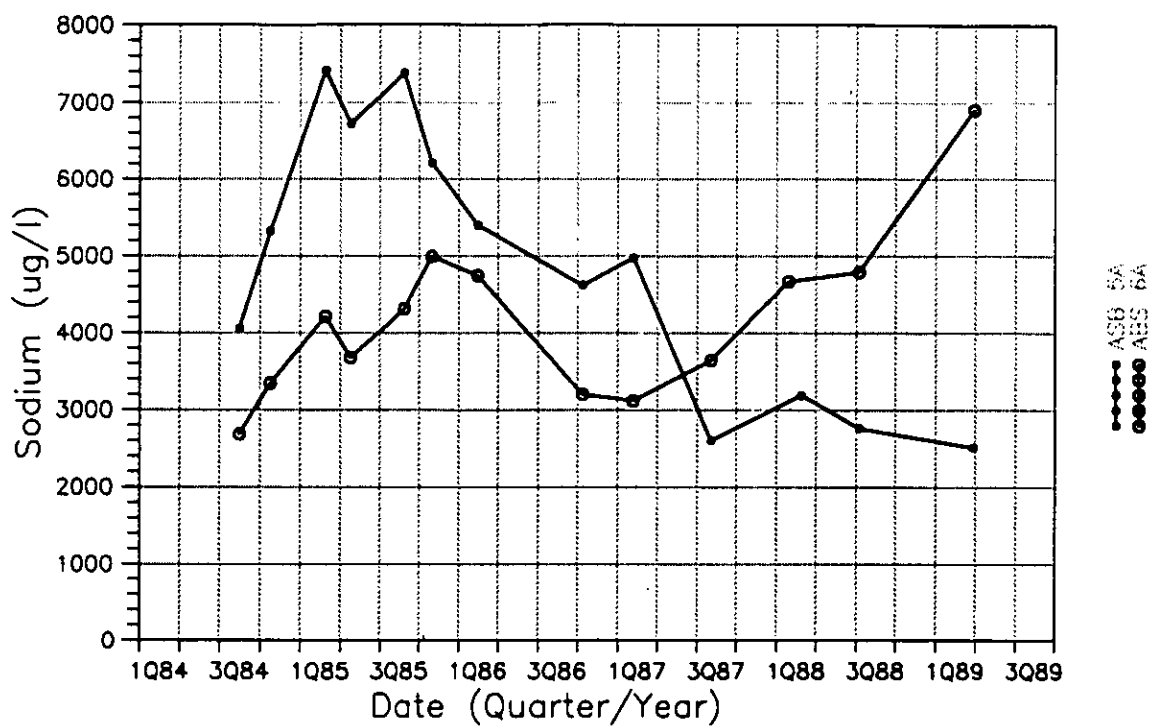


FIGURE 9. Sodium Ion Concentration vs. Time at the SRL Seepage Basins Wells

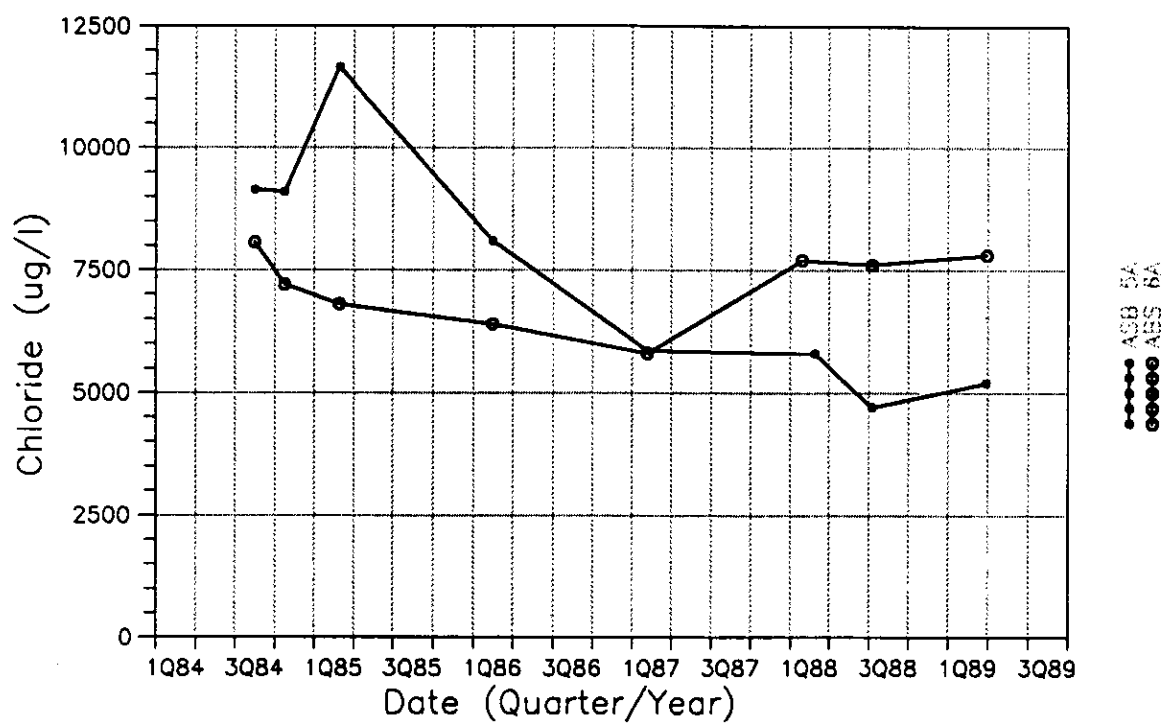


FIGURE 10. Chloride Ion Concentration vs. Time at the SRL Seepage Basins Wells

GROUNDWATER QUALITY SUMMARY

An extensive evaluation of groundwater quality beneath the basins was performed using data published in the Savannah River Site Annual Environmental Reports. These data were evaluated for their statistical significance relative to background and their concentration relative to promulgated regulatory standards. Spatial distributions and temporal trends were also evaluated. Of the 77 common industrial contaminants, the 38 listed on Table 5 were never detected and the 27 listed on Table 6 were present, but not in concentrations which were significantly elevated. Twelve parameters were detected in concentrations significantly above background or promulgated standards. Of these, the first nine shown on Table 7 reflect the waste disposed in both composition and in temporal variation in concentration. Also consistent with expected impacts, the greatest concentrations of these parameters were measured in downgradient wells ASB 5A and ASB 6A. Impacts from these constituents was documented to peak in late 1984, and lower relatively stable concentrations are evident thereafter.

Values for two VOCs (trichloroethylene and tetrachloroethylene) and the indicator parameter associated with them, total organic halogens, were also elevated. Concentrations of VOCs detected in the SRL monitoring well network is greater than expected from waste stream or basin sediment characterization. Temporal concentration trends of these VOCs in groundwater do not reflect trends in waste stream composition. As a result the source of these organics could be another known or potential source in the vicinity such as the A-001 outfall. SRS has acknowledged the impacts of chlorocarbons on groundwater quality in the vicinity of the SRL Basins and demonstrated a commitment to address these impacts under the RCRA Hazardous Waste Permit for the M-Area Hazardous Waste Management Facility. Specifically, Section J of Volume III of this Permit states:

"... the Corrective Action Program for the M-Area HWMF is a specific subset of a comprehensive remedial action effort currently in progress in the A/M Areas. The remedial action program addresses other known and suspected sources of groundwater contamination (potential SWMUs), as well as the regulated unit. All of these areas will be remediated under the auspices of this permit."

The Savannah River Laboratory Basins are located in the A Area of the SRS and are, therefore, specifically included in this permit condition. The chlorocarbons in groundwater in the vicinity of the SRL Basins are recognized impacts and their assessment and remediation have been underway since 1983. Existing and future actions are and will continue to be conducted under the auspices of the SRS RCRA Permit.

TOXICOLOGY

The toxicology of constituents discharged to the SRL Seepage Basins as determined from the soil core and groundwater analyses at the basins is discussed in the following text. Both the noncarcinogenic and carcinogenic effects of these constituents is discussed.

For nonradioactive, noncarcinogenic compounds, the traditionally accepted practice for evaluating an acceptable human dose is to determine a no-observable-effect-level (NOEL) and to divide this level by a safety factor. This dose has been labeled an acceptable daily intake (ADI) by the National Research Council (1983). The ADI is compared to an average daily dose to determine if a health effect will be observed as follows:

$$R = D/ADI$$

where D = average daily dose (mg/kg body weight/day). A one-year exposure period and 70-kg body weight are assumed.

ADI = acceptable daily intake for chronic exposure (mg/kg body weight/day)

R = ADI fraction (dimensionless)

Thus if R is greater than one, a possibility exists for an adverse health effect. The ADI fractions for constituents at the SRL seepage basins is listed in Table 8. As expected, of the constituents in the SRL basins, mercury has the lowest ADI. The ADI for fluoride is based on the Surgeon General's report for the onset of dental fluorosis and is only two times higher than the recommended optimum level for drinking water.

The procedure for calculating risk of exposure to nonradioactive carcinogenic compounds is well documented (EPA, 1985a; National Research Council, 1983; Rodricks, 1984). A nonthreshold dose-response model is used to calculate a unit risk value (risk per unit dose) for each chemical. The risk per unit dose (unit carcinogenic risk) is then multiplied by the estimated average daily lifetime dose experienced by the exposed individual or population to derive an estimate of risk (R) as follows:

$$R_C = D \times UCR$$

where D = average daily lifetime dose (mg/kg body weight/day). A 50-year exposure lifetime and 70-kg body weight are assumed.

UCR = unit carcinogenic risk estimate [(mg/kg body weight/day)⁻¹]

R_C = risk value for exposure to chemical carcinogens

The UCR's for constituents of the SRL Seepage Basins are given in Table 8.

Table 8. Toxicology Data for Materials at the SRL Seepage Basins

Constituent	ADI (mg/kg day)	UCR (kg day/mg)
As	2.8 e-3	5.0 e+1
Ba	5.1 e-2	0.0
Cd	2.9 e-4	7.8 e+0
Cr	5.0 e-3	4.1 e+1
Cu	3.7 e-2	0.0
F	5.0 e-2	0.0
Pb	1.4 e-3	0.0
Hg	2.8 e-4	0.0
Ni	1.0 e-1	1.2 e+0
P	1.1 e+2	0.
Ag	3.0 e-3	0.
Na	2.9 e+1	0.
Zn	2.1 e-1	0.

Note: Health effects information on iron was not available.

For radioactive materials, the likelihood of adverse health effects is typically characterized by a linear no-threshold model. The procedure for determining the likelihood of adverse health effects from exposure to a radionuclide requires two basic calculations. First, the radionuclide intake in a given year is multiplied by a dose conversion factor for the specific radionuclide of interest to establish a dose equivalent value. Mathematically this is represented as follows:

$$CEDE = C \times DCF$$

where CEDE = committed effective dose equivalent for a given environmental pathway (mrem/yr)

C = calculated annual intake of radioactivity for a given environmental pathway (pCi)

DCF = dose conversion factor for a given radionuclide based on ICRP guidelines (mrem/pCi)

Second, the risk of radiation exposure is found by multiplying the committed effective dose equivalent by the risk conversion factor. This equation is as follows:

$$R = CEDE \times RCF$$

where R = radioactive risk (health effects/yr of intake)

RCF = risk conversion factor (health effects/mrem)

A review of reports by the Committee on the Biological Effects of Ionizing Radiation (NAS, 1980), the ICRP (ICRP, 1977), and the Office of Radiation Programs of the Environmental Protection Agency (EPA, 1985b) indicates that, for average populations, a reasonable range for the risk conversion factor is 1.65E-04 to 2.80E-04 adverse effects per rem of dose. The DCF's and exposure pathways for constituents of the SRL Seepage Basins are given in Table 9.

HAZARDOUS RANKING SYSTEM

The policy of the U.S. Environmental Protection Agency (EPA) is to aggregate the Hazardous Ranking System (HRS) Scores at federal facilities. Thus, the attributes of individual waste management facilities are pooled. EPA has proposed to place SRS on the CERCLA National Priorities List (NPL) on the basis of a Hazardous Ranking System (HRS) score of 47.70 (a minimum of 28.50 is required for NPL listing on the basis of HRS score). Three Hazard Modes are calculated in the HRS score: migration, fire and explosion, and direct contact. Only migration was utilized, and this score was determined on the basis of the potential groundwater migration hazard present at the M-Area Settling Basin and the potential surface water migration hazard present at the Old TNX Seepage Basin. The SRL Seepage Basins did not contribute to the calculated HRS score. EPA policy is to place on the NPL, Federal Facilities that meet the NPL eligibility requirements, even if the facility is subject to the corrective action authorities of RCRA Subtitle C. The HRS score for SRS as determined by EPA places SRS into the fifth group of priority out of fifty such groups as determined by the pool of HRS scores.

Table 9. Dose Conversion Factors for Radionuclides at the SRL Seepage Basins

<u>RADIONUCLIDE</u>	<u>INGESTION</u>	DCF's (mrem/pCi)	
		<u>INHALATION</u>	<u>GAMMA</u>
³ H	6.3 e-8	9.5 e-8	0.0
⁶⁰ Co	2.6 e-5	1.5 e-4	1.2 e-8
⁹⁰ Sr	1.3 e-4	1.3 e-3	0.0
¹³⁷ Cs	5.0 e-5	3.2 e-5	0.0
²³⁵ U	2.5 e-4	1.2 e-1	8.3 e-10
²³⁸ U	2.3 e-4	1.2 e-1	2.6 e-12
²³⁹ Pu	4.3 e-4	5.1 e-1	1.6 e-12
²⁴¹ Am	2.2 e-3	5.2 e-01	1.3 e-10
²⁴⁴ Cm	1.1 e-3	2.7 e-01	3.3 e-12

HYDROGEOLOGIC SETTING

At SRS, groundwater and surface-water characteristics are largely controlled by physiography and subsurface stratigraphy. The following is a summary of the primary physiographic features, general stratigraphic succession, and known hydrogeology at SRS. The purpose of this framework is to describe relationships between SRS hydrogeology and larger-scale hydrologic systems.

Physiography

SRS occupies an area of approximately 300 square miles on the Atlantic Coastal Plain and lies predominantly on the Aiken Plateau. The Plateau is bounded by the Piedmont Province at the Fall Line, the Savannah and Congaree Rivers, and an elevation break of approximately 250 feet above mean sea level (msl). The Savannah and Congaree are the largest rivers in the region. The Savannah forms the southwestern boundary of SRS, and the Congaree is approximately 60 miles northeast of SRS. The smaller Edisto and Salkehatchie Rivers lie between the Savannah and the Congaree.

Topography and Drainage

Ground surface elevations range from approximately 100 to 350 feet above msl. On the Aiken Plateau there are several southwesterly flowing tributaries of the Savannah River. The major tributaries that cross SRS are Upper Three Runs Creek, Beaver Dam Creek, Four Mile Creek, Pen Branch, Steel Creek, and Lower Three Runs Creek.

Geology

The Atlantic Coastal Plain is underlain by a seaward thickening wedge of unconsolidated and semi-consolidated sediments ranging from Late Cretaceous to Holocene in age. The Late Cretaceous sediments rest directly on crystalline basement rocks of Precambrian/Paleozoic age or on Triassic age sediments. A generalized stratigraphic column for coastal plain sediments at SRS is shown in Figure 11.

The crystalline basement rock is composed of chlorite-hornblende schist, hornblende gneiss, and traces of some other crystalline rocks. At SRS, this bedrock is buried beneath about 900 feet of sediments. The Triassic bedrock occurs in the southern portion of the SRS, in a basin known as the "Dunbarton Basin" (Marine and Siple, 1974). The Dunbarton Basin sediments are composed of poorly sorted conglomerate, sandstone, and mud-rock, and are generally dark red in color.

Hydrologic Units (Zones)		Stratigraphic Units		Former Name
8		Upland	Tobacco Road	Tan Clay McBean
7	7c	Dry Branch		
	7b			
	7a			
6		Santee		Green Clay Congaree
5	5b	Congaree		
	5a			
4		Williamsburg		Ellenton
		Rhems		
3	3b	Pee Dee		Upper Tuscaloosa Aquifer
	3a			
2	2c	Black Creek		Middle Tuscaloosa Confining Unit
	2b			
	2a	Middendorf		
1		Cape Fear		Basal Confining Unit

Figure 11. Hydrology and Stratigraphy underlying the SRL Seepage Basins

In the 1930s, the Cretaceous sediments overlying the bedrock were correlated with the Tuscaloosa Group of Mississippi and Alabama. Newer data indicate that the sediments correlate instead with the Eutaw and Selma Groups. The Cretaceous sediments comprise four major units beneath SRS: the Cape Fear, Middendorf, Black Creek, and Pee Dee Formations.

Paleocene age sediments of the Black Mingo Group overlie the Cretaceous sediments and are most commonly clays or clayey sands.

Eocene sediments, which correlate with the Orangeburg Group of the Claibornian age, overlie the Paleocene sediments.

The lower part of this stage is represented by a sandy unit called the Congaree Formation. The upper part of this stage contains mappable sediments known as the "Warley Hill," "Caw Caw," and "McBean" members of the Santee Formation.

Late Eocene age sediments of the Barnwell Group overlie the Orangeburg Group. These include the Dry Branch and Tobacco Road Formations plus an "upland unit." The upland unit is a mappable, though as yet unnamed, stratigraphic unit which caps most upland areas at SRS. Lithology varies from coarse gravels to silty clays.

Hydrogeology

The SRL Seepage Basins were constructed within clayey, silty unconsolidated sand sediments of the Upland/Tobacco Road stratigraphic units (Figure 11). The water table is approximately 110 feet below the seepage basins in this vicinity and overlaps the Dry Branch and Santee formations (zones 6 & 7). A "green clay" at the top of the Congaree (unit 5b) acts as an aquitard that separates the water table from the underlying hydrologic zone 5a in the Congaree geologic formation. In the vicinity of the SRL Seepage Basins, a clayey zone at the top of the Four Mile member of the Williamsburg formation separates the hydrologic units 4 and 5. Beneath hydrologic unit 4, a clay zone at the top of the Peedee formation (unit 3b) acts as an aquitard. Hydrologic unit 3a is composed of sediments from the Peedee and Black Creek geologic formations. Units 3 and 2 are separated by an aquitard from sediments of the Black Creek formation (zone 2c), and unit 1 is a dense clay aquitard at the base of hydrologic unit 2. (Units 5a, 4, 3a and 2 have been called the Upper Congaree, Lower Congaree, Upper Tuscaloosa and Lower Tuscaloosa "aquifers", respectively, in past reports at SRS.)

Hydrologic units beneath 3b are prolific water sources and can supply up to 1000 gallons per minute for a substantial period of time. Units 5a and 4 are not quite as productive, but may produce up to 100 gallons per minute. The water table would not be a suitable and reliable source of water.

The transport of constituents in the multilayer aquifer system described in Figure 11 is controlled by the hydraulic gradients and conductivities of the specific units. The water table elevations for the A/M Area are contoured in Figure 12. The water table is relatively flat in this vicinity, with an average gradient of 0.004 feet/foot. Average horizontal flow rates in this vicinity are estimated at 125 feet/year. The horizontal direction of flow from the SRL seepage basins appears to be in a north-northwesterly direction. However, a relatively large vertical gradient (12 feet of hydraulic head) exists over the "green clay", so a strong vertical flow exists from the water table to unit 5a. Most of the water that exits the water table flows into hydrologic units 5a and 4 where it eventually discharges to Upper Three Runs Creek (UTRC) (Figure 13 & 14). (Surface water map is in Figure 16.) Water

in units 5a & 4 near the SRL Seepage Basins travels horizontally at about 150 to 250 feet/yr. Water from units 5a apparently discharges into UTRC at a more northerly point than water from hydrologic unit 4. The portion of the water from units 5a and 4 that does not discharge to UTRC recharges hydrologic unit 3a & 2. Water from these units then flows towards the Savannah River (Figure 15) at about 200 to 300 feet/yr. (Flow velocity estimates for specified units are in DPSP-89-172-1.)

A numerical model of the hydrologic system for the A/M Area at SRS has been completed. Results from this modeling effort indicate that 85 percent of the water entering units 5a and 4 is from the water table, and the remaining 15 percent is from lateral flow. Approximately 80 percent of the water flowing from units 5a and 4 discharges at UTRC, and the remaining water recharges unit 2 (Papadopoulos, 1987).

In summary, the SRL Seepage Basins are constructed in clay-rich sediments approximately 110 feet above the water table. Constituents that sorb strongly to sediments are retained in the relatively thick unsaturated zone. Constituents not strongly sorbed are transported through the hydrologic system both vertically and horizontally at a rate governed by the aquifer characteristics.

Surface Water

The surface water closest to the SRL Seepage basins is Tim's Branch Creek. In the A/M Area of SRS, this stream is intermittent and about 4000 feet away at the nearest point (Figure 16). However, based on the water level contours for the water table, flow is not towards Tim's Branch Creek in the water table. Tim's Branch Creek flows into Steed Pond about 10,000 feet south of the SRL Seepage Basins. Water flows through wetlands and marshes from Steed Pond to UTRC which eventually discharges into the Savannah River. UTRC is 3 miles away at its closest point and the Savannah River is about 6 miles away at their closest points to the basins.

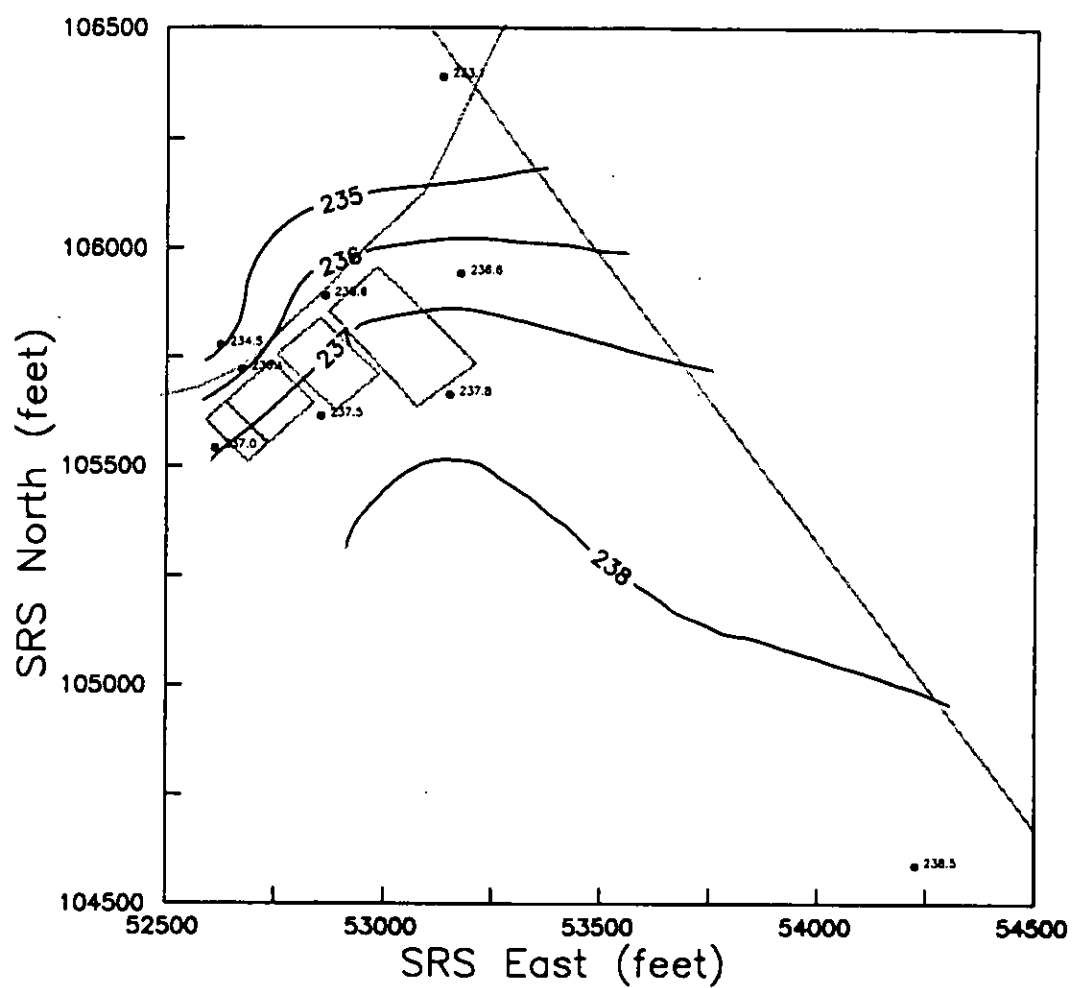


Figure 12. Water Elevation Contours in the Water Table

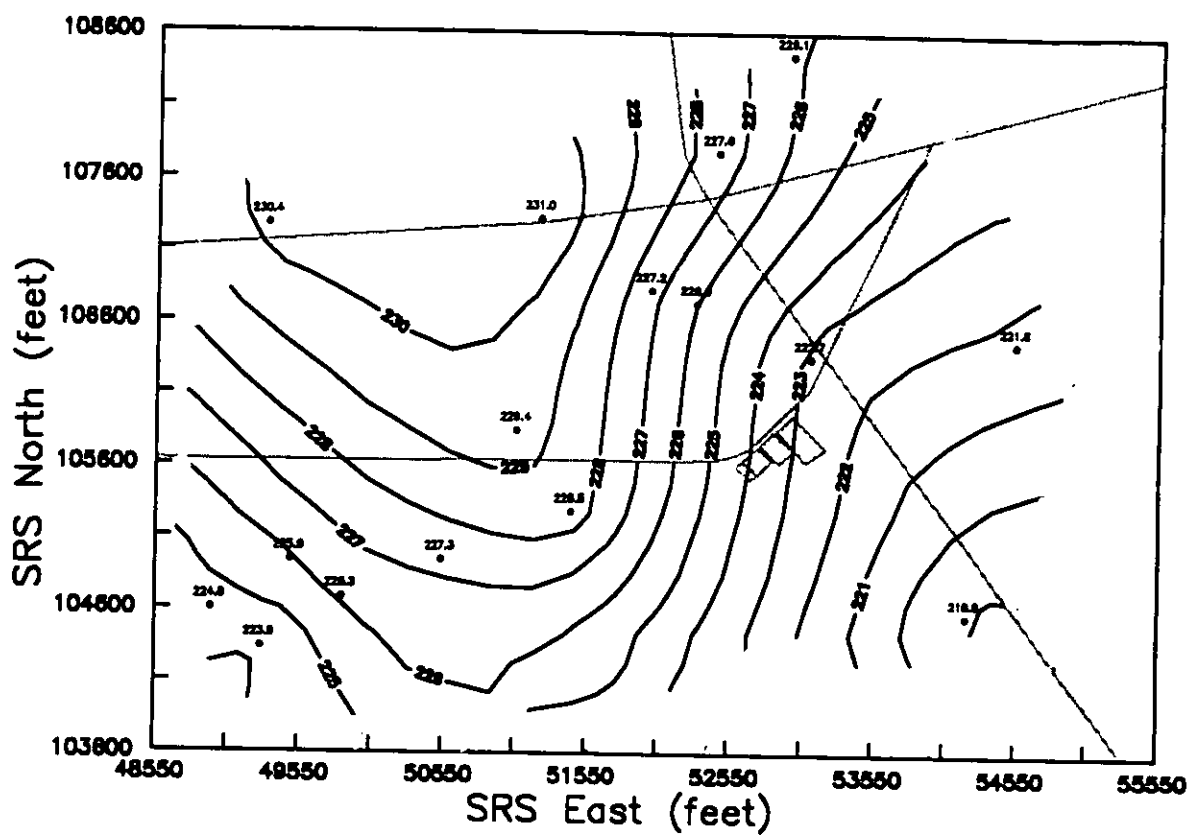


Figure 13. Water Elevation Contours for Hydrologic Unit 5a

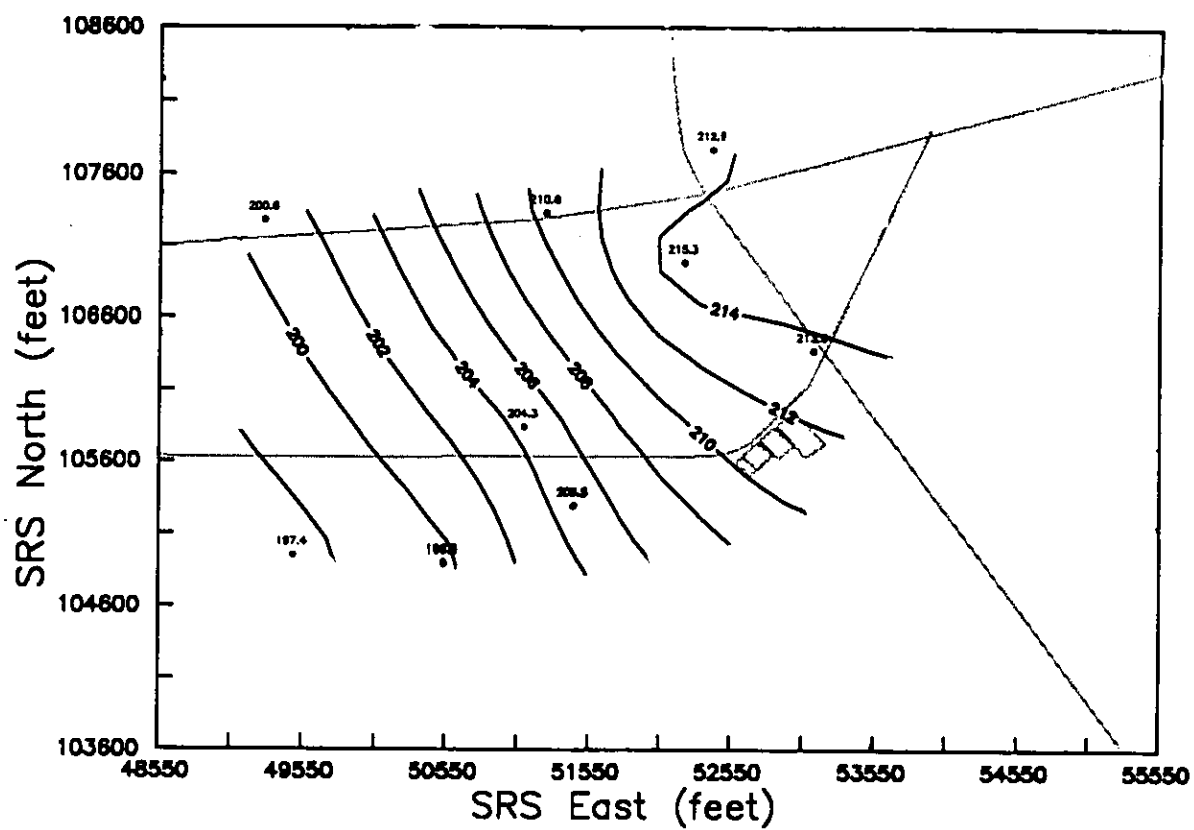


Figure 15. Water Elevation Contours for Hydrologic Unit 3a

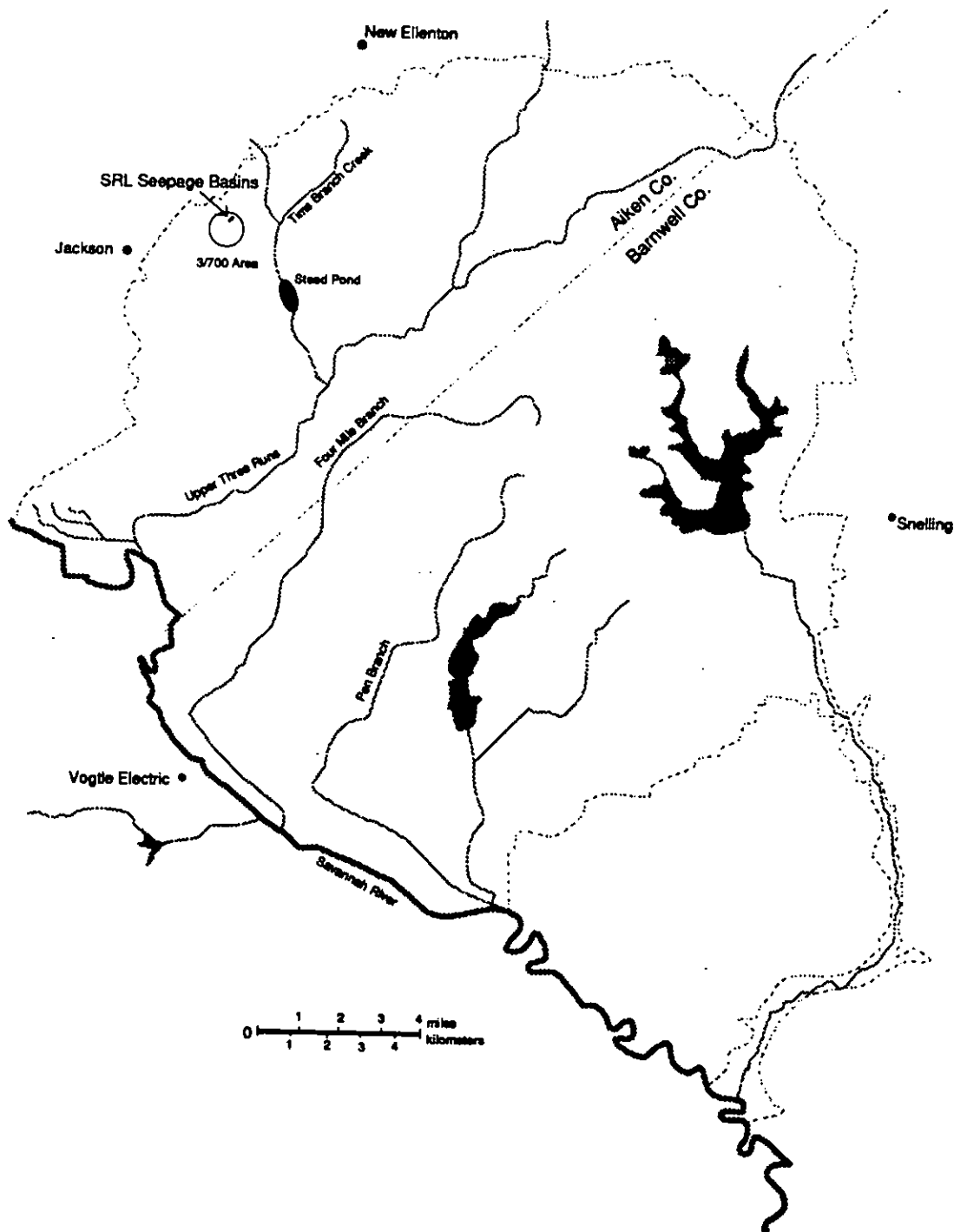


Figure 16. Surface Water in the Vicinity of the SRL Seepage Basins

III. DISCUSSION OF APPLICABLE REGULATORY GUIDELINES

The SRS Seepage Basins will be closed under the Consent Decree pursuant to Civil Action No. 1:85-2583. According to the Consent Decree, the standards of closure shall ensure a level of protection of human health and environment equivalent to that required under 40 CFR 264 Subpart G . SCDHEC will review the substance of the closure plan to assure the standards are met.

IV. DEFINITION OF CLOSURE OPTIONS

INTRODUCTION

The purpose of this section is to develop closure options for the SRL Seepage Basins that will mitigate potential threat to human health and the environment. The site characterization, regulatory criteria comparison, and exposure pathway assessments provide the background information for identification of remedial objectives. Specific site conditions and remedial objectives were used to identify applicable remedial actions for the basin closure.

BASIN REMEDIAL OBJECTIVES

Three remedial objectives for the SRL Seepage Basins closure were developed:

- Eliminate, reduce, or control the source of potential release to shallow groundwater.
- Protect the deep aquifer.
- Eliminate, reduce, or control potential long-term hazard associated with direct contact with basin contents.

CATEGORIES OF APPLICABLE TECHNOLOGIES

Technologies to be considered for achieving the remedial objectives and addressing the institutional criteria noted above were identified from the following categories:

- Institutional Controls—these include access and use restrictions designed to control direct contact, protect the deep aquifer, and maintain the integrity of the selected closure option.
- Containment Technologies—these include measures to isolate the source to prevent direct contact, and to isolate the source from the shallow aquifer.
- Removal Technologies—these include measures to remove source materials from the environment and reduce or eliminate direct contact hazard, and remove the potential for release from the source to the shallow aquifer.
- Treatment Technologies—these include measures to reduce the mobility or hazard associated with the source.

The specific applicable technologies within these categories are discussed in the next subsection.

IDENTIFICATION OF TECHNOLOGIES

Applicable remedial technologies were identified from the following categories: institutional controls, containment technologies, waste removal technologies, and waste treatment technologies. Remedial technologies which are considered to be applicable to the SRL Seepage Basins are described below.

Institutional Controls

The remedial technologies included in the institutional control category include:

- Access restrictions
- Aquifer controls
- Shallow groundwater monitoring

Access Restrictions

Access restriction measures could include physical site restrictions (i.e., fencing) as well as use or deed restrictions. These measures could be needed if wastes were not removed or only partially removed. Access restrictions would help to reduce the potential hazard associated with direct contact with basin materials.

Aquifer Controls

A groundwater corrective action system for chlorinated solvents is already in place in the A/M Areas of SRS. Additional aquifer controls would include a technical evaluation system for production wells in the keep aquifer to minimize overpumping, thereby decreasing the possibility of increasing the downward hydraulic gradient. These controls could be appropriate for any closure option that does not include complete source removal.

Shallow Groundwater Monitoring

Monitoring and analysis of groundwater samples from the shallow groundwater system would be included in remedial alternatives that do not remove all source materials. Data obtained from the monitoring wells could be used to detect constituent migration or to monitor the effectiveness of remedial actions. Groundwater monitoring alone would not provide any remediation of risks associated with the basin materials.

Containment Technologies

Containment technologies which are considered to be applicable to the SRL Seepage Basins include capping and surface controls (e.g. grading, revegetation, engineered drainages, etc.).

Removal Technologies

This category of remedial technologies includes activities for the physical removal of basin water and sediments. The remedial measures included in this category are:

- Collection of basin water
- Excavation of basin sediments

Collection of Basin Water

Removal of basin water is considered the minimum remedial action and is included in all closure options. The basin water could be removed by pumping and then treated using conventional technologies.

Excavation of Basin Sediments

After collection of the basin water, sediments might be removed. Excavation of these sediments would probably be performed by backhoe. The excavated materials would be evaluated and disposed in an appropriate facility.

Sediment excavation and removal could reduce the potential for release to shallow groundwater and the potential hazard associated with direct contact. However, removal activities (during implementation) may result in short-term environmental risk and safety risk to workers by airborne dust and inadvertent direct contact.

Treatment Technologies

Treatment technologies may be applicable to basin water and sediments. These technologies have been categorized as sediment treatment and water treatment.

Sediment Treatment

Stabilization in place or removal and stabilization followed by replacement of treated sediments into the basin may be applicable to the SRL Seepage Basins.

Water Treatment

Based on the history of the SRL Seepage Basins, water pumped during the remediation is expected to contain low levels of radionuclides. Standard treatment technologies could be applied to remove contaminants from this water prior to discharge.

DESCRIPTION OF CLOSURE OPTIONS

Remedial technologies considered to be applicable to the SRL Seepage Basins were combined into closure alternatives that would mitigate the potential threat to human health and the environment posed by the site. By combining these applicable remedial technologies, three closure options were developed for the SRL Seepage Basins. These options meet (to varying degrees) the remedial objectives stated in the following section.

Closure Option A-Backfill Basin

This closure option consists of physically stabilizing the sediments in the basins followed backfilling with clean compacted local soil. Surface controls (revegetation, engineered drainages, etc.) would be implemented.

Water in the basin would be collected for treatment before the basin is backfilled. Sampling and analysis of basin water may be necessary to determine treatment needs. In addition, long term groundwater monitoring in the shallow aquifer at the site would be implemented. Continued A/M Area Groundwater Corrective Action for chlorinated solvents and institution of a technical evaluation system related to use of the deep aquifer could be implemented to minimize the potential for downward migration. A fence would

be placed around the site and deed restrictions would be placed on the site to control its future use. This option is equivalent to that used for many near-surface low level radioactive waste disposal facilities. Note, however, that this type of closure does not strictly meet the requirements of 40 CFR 264 Subpart G as required by the Consent Decree.

Closure Option B--Backfill and Cap

This closure option consists of remedial measures included in Closure Option A (Backfill Basin) except that a cap meeting the requirements of 40 CFR 264 Subpart G would be placed on the backfilled basin. Basin water collection and treatment, deep aquifer controls, shallow groundwater monitoring, and site access restrictions would be implemented as in Closure Option A.

Closure Option C--Excavation and Backfill

This closure option consists of remedial measures included in Closure Option A , with the addition of partial source removal and treatment. Basin water collection and treatment, deep aquifer controls, shallow groundwater monitoring, and site access restrictions would be implemented as in Closure Option A.

Sediments would be removed from the basin by backhoe or dragline and placed in the storage/treatment area. Excavation of contaminated sediment would continue to the native soil beneath the basin, or to a depth determined in the closure plan.

V. EVALUATION OF CLOSURE OPTIONS

EXPOSURE ASSESSMENT

Potential pathways of migration were evaluated to provide a basis for the development of basin closure options. These evaluations were made based on information presented in the site characterization, quarterly groundwater monitoring, and the SRL Seepage Basins EID (Fowler et al., 1988).

Potential Exposure Pathways

The following environmental media present potential contaminant migration and/or exposure routes from the SRL Seepage Basins:

- Deep groundwater
- Shallow groundwater
- Surface water
- Sediments
- Air

The potential pathways associated with the various media and an assessments of these pathways are presented in the following sections.

Deep Groundwater

The sand beds of the Pee Dee and Black Creek Formations form an aquifer that is used as a drinking water source in the vicinity of SRS. Potential exposure pathways in this medium would be contaminant migration to the aquifer and subsequently to residential, irrigation, or industrial wells. Such migration could result in animal or human ingestion, inhalation of volatile contaminants in water, or irrigation of crops with contaminated groundwater.

In the vicinity of the SRL Seepage Basins there is a vertically downward component of hydraulic gradient into the deep aquifer. However, the movement of water into this zone is limited by the clays in zone 4 (the Ellenton) that are competent across much of A/M Area. The groundwater data suggest that chlorinated solvents are the only contaminants of significance in the non-water-table groundwater in the vicinity of the SRL Seepage Basins. As discussed below, SRS began full-scale remediation of groundwater contaminated by chlorinated solvents in the A/M Area of the Savannah River Site (SRS) in September, 1985. This RCRA corrective action explicitly addresses all known and suspected sources of solvent contamination in A/M Area. Note that deep groundwater beneath SRS ultimately discharges to the Savannah River, and therefore any contamination should not adversely impact offsite water users. Water pumped on-site is carefully monitored to minimize the potential for impact to on-site water consumers.

Because exposure via the deep groundwater is possible, basin closure alternatives that protect, remediate, and/or monitor contamination of this medium have been included for evaluation.

Shallow Groundwater

The shallow groundwater in the vicinity of the SRL Seepage Basins may transport contaminants from the site by two environmental pathways: (1) lateral transport through permeable units to downgradient supply wells and (2) lateral transport to surface-water bodies.

The possible exposure scenarios from the use of shallow groundwater would include animal or human ingestion, inhalation of volatiles, and use of contaminated water for the irrigation of agricultural crops. However, there are currently no supply wells completed in the water table near the SRL Seepage Basins. Due to its low transmissivity, the shallow aquifer is a poor candidate for supplying typical water production wells at SRS and consequently the overall risk posed by this source is low. The exposure scenarios from surface-water contamination are discussed in the following subsection.

Contaminants in shallow water bearing zones near the SRL Seepage Basins would travel horizontally and vertically. Groundwater elevation data indicate that the primary flow path in the shallow water bearing zones across A/M Area is down to Zone 5 (the Congaree) where horizontal flow toward Upper Three Runs Creek dominates.

Because exposure via the shallow groundwater medium is possible, basin closure alternative that protect, remediate, and/or monitor contamination of this medium have been included for evaluation.

Surface Water

Contamination of the following surface-water bodies from SRL Seepage Basin operations is evaluated: flow of water through the subsurface into Upper Three Runs Creek, and direct discharge to near-by streams following failure of the wall of Basin 4.

Exposure scenarios via the surface-water medium include direct contact (swimming or wading in the wetlands near Upper Three Runs Creek, in Upper Three Runs Creek, or in the Savannah River), ingestion (swimming or use of water for supply), irrigation of food crops, and consumption of organisms from the Savannah River or its tributaries. Because exposure via the surface-water medium is possible, basin closure alternatives that protect this medium have been included for evaluation.

Sediments

Sediments in the vicinity of the SRL Seepage Basins may contribute to the following exposure pathways:

- Direct contact with sediments
- Migration of dusts
- Leaching from sediments to the shallow groundwater beneath the site (with its associated exposure pathways)
- Erosion of sediment and transport to surface water (with its associated exposure pathways)

- Consumption of crops harvested (possibly after the end of DOE institutional control)
- Incorporation into food chain

Because exposure via soil and sediment media is possible, basin closure alternatives that isolate, remove, treat, or otherwise remediate contaminated soils have been included for evaluation.

Air

The only exposure pathway via the air medium (identifiable from existing data) would be the inhalation of dusts resulting from site remedial activities. Since the SRL Seepage Basins were operated as a low level radioactive waste disposal site, radiation exposure to workers should be minimized.

Because exposure via the air pathway is possible, basin closure alternatives that protect, remediate, and/or monitor contamination of this medium have been included for evaluation.

Summary of Exposure Scenarios

A summary of exposure pathways for the SRL Seepage Basins is presented in Table 10, with relative (qualitative) potential compared to other pathways at this site.

Table 10
SRL SEEPAGE BASINS
POTENTIAL EXPOSURE PATHWAYS

<u>MEDIA</u>	<u>HAZARD</u>	<u>PATHWAY</u>	<u>POTENTIAL</u>
Deep Aquifer	Groundwater Contamination	Human Ingestion/ Production Wells	Low to medium - could occur if no remediation
Water Table	Groundwater Contamination	Human Ingestion/ Production Wells	Low—not likely to occur
	Surface-Water Contamination	Direct Contact, Human Ingestion, Offsite Migration	Medium—could occur under a particular set of circumstances
Sediment	Sediment Contamination	Direct Contact, Dust Inhalation, Dust Contamination in Foodstuffs, Transport to Surface Water, Incorpora- tion into Food Chain Through Plant-Uptake	High—likely to occur under a particular set of circumstances
Air	Contaminated Dusts	Inhalation During Excavation	Medium—could occur under a particular set of circumstances

Review of Previous Risk Modeling

The following discussion is a brief overview of the risk modeling presented in the SRL Seepage Basins EID. The health risks associated with migration via surface, subsurface, and atmospheric pathways were estimated by this modeling, along with risks associated with four basin closure options:

- No Action
- Backfill
- Backfill and Cap
- Waste removal and closure

Surface and Subsurface Pathways

The risks associated with surface and subsurface pathways were evaluated using the computer model PATHRAE. The exposure scenarios considered in the EID were:

- Groundwater transport to nearby wells (hypothetically located at 1 meter and 100 meters downgradient from the basin perimeter)
- Groundwater movement to surface streams and the Savannah River
- Waste erosion and movement to surface streams and the Savannah River
- Consumption of food grown on reclaimed farmland over the waste site
- Consumption of crops grown from natural biointrusion onto the waste site
- Direct exposure to gamma radiation

The results of the PATHRAE risk modeling are presented in detail in the EID and are briefly discussed below. The doses and associated risks from the "groundwater to well" and "groundwater to surface-water" pathways are similar for all four options. In all closure scenarios, exposure to radioactive constituents was dominated by tritium during the period of institutional control. Nonradioactive risks were dominated by arsenic. The analysis indicated that both the backfill and cap and the waste removal options reduce the arsenic to acceptable levels. All closure scenarios results in nominal risks resulting from the erosion, natural biointrusion, reclaimed farmland, and direct gamma pathways.

Atmospheric Pathway

The following exposure scenarios were considered in the EID for the atmospheric pathway:

- Inhalation
- Ingestion of foodstuffs contaminated by airborne particles
- Exposure to direct gamma radiation

Several computer codes were utilized in evaluating the risks associated with the atmospheric pathway:

- **SESOIL**—an EPA soil layer model used to estimate contaminant volatilization and infiltration into the soil.
- **MARIAH**—used to estimate the suspended dust loading to the atmosphere generated during closure activities.
- **XOQDOQ**—used to model atmospheric dispersion of contaminants given the source strength and local meteorological conditions.
- **CONEX**—used to estimate time-dependent population exposures to nonradioactive contaminants based on XOQDOQ results.
- **TERREX**—used to estimate population exposure to contaminated foodstuffs based on XOQDOQ results.
- **MILENIUM**—used to estimate the risk posed to the public population from nonradioactive contaminants.
- **MAXIGASP**—used to calculate the maximum and average doses to offsite individuals from atmospheric releases of radioactive contaminants.
- **POPGASP**—used to calculate the population doses from atmospheric releases of radioactive contaminants.

The results of the atmospheric risk modeling are presented in detail in the EID and are discussed only briefly here. Generally, the calculated public exposure to chemical and radioactive constituents through the atmospheric pathways decreased as more extensive remedial actions are applied. The exposure associated with the no action option was higher than all other options. The calculated exposure during the year of remediation was higher for the waste removal and closure option because of the excavation activities. Note that all of the risks calculated for this pathway for all options were well below exposure guidelines.

Occupational Exposure

Potential occupational exposure due to cleanup activities was estimated in the EID using the MARIAH and MILENIUM computer codes described earlier, as well as DECOM, which was used to estimate external radiation exposures. There was no occupational exposure for the no action option. The greatest worker exposure occurred during implementation of the waste removal and closure option (Option C).

Ecological Assessment

The impacts of each closure option on surface-water quality, aquatic and terrestrial organisms, endangered species, and wetland communities were assessed in the EID. Conclusions and results included:

- No aquatic impacts are expected from the implementation of any of the closure options at the Savannah River Laboratory Seepage Basins. The levels of groundwater outcrop contamination are ecologically insignificant for all closure options, indicating little

potential for adverse impacts on aquatic biota or adjacent wetlands, and no adverse impacts on wildlife consuming undiluted water at the outcrop.

- Direct contact with the sediments in the bottom of the basin resulted in possible impacts for the no action option only.
- No endangered species were identified in the vicinity of the basin.

Details of the ecological assessment are presented in the SRL Seepage Basins EID.

DEFINITION OF BASIS FOR SELECTING THE RECOMMENDED CLOSURE OPTION

Providing protection to human health and the environment is the primary consideration in selecting a closure option. Additionally, the selected option must be consistent with the requirements of 40 CFR 264 Subpart G. The relative cost of the closure options was not considered.

COMPARISON OF CLOSURE OPTIONS

The purpose of this section is to evaluate the proposed closure options in terms of environmental factors. A qualitative discussion of the impact of the proposed closure options on human health and the environment is presented.

Closure Option A-Backfill Basin

The components of this closure option would improve site conditions in the following manner:

- Collection/treatment of the basin water would reduce the potential for direct contact and would reduce the driving force for subsurface transport.
- Aquifer controls, site access restrictions, and groundwater monitoring would afford some protection of the deep aquifer, reduce the potential risks associated with direct contact, and provide a warning system in the event of release to the shallow groundwater system.
- Backfilling the basin would reduce potential risks associated with direct contact and airborne releases, improve site drainage, and reduce infiltration.
- Implementation of surface controls would improve site drainage conditions and reduce surface erosion.

Implementation of this options would have the long-term effects of reducing the risks due to direct contact with basin sediments, soils in the overflow discharge area, and airborne contaminants from these soils and sediments. This option would also reduce the potential for releases to the shallow groundwater system by improving site drainage and reducing infiltration. This option does not involve waste removal.

Closure Option B--Backfill and Cap

The long-term effects of reducing risk would be the similar to Closure Option A in that the infiltration of water through basin sediment would be minimized, decreasing potential migration to groundwater. As with Closure Option A, material will not be removed from the basin nor constituents already released be collected. The infiltration in Option B would be the lower than either Option A or Option C because of the addition of the low permeability cap.

Capping has been demonstrated as an effective method for mitigating infiltration and regrading and revegetating have been shown to assist in reducing the volume of water that reaches the cap via surface drainage. Capping has shown excellent effectiveness for up to 20 years of service ("Remedial Action at Waste Disposal Sites," EPA 625/6-85-006).

Capping is one of the most frequently used remedial actions at hazardous waste sites and the performance of a properly installed and maintained cap in reducing infiltration has been proven. The problems associated with capping that could diminish effectiveness are settling, invasion by burrowing animals, and invasion by deep rooted plants.

These problems can be minimized by periodic inspections and maintenance, including repairing eroded areas and revegetating.

Closure Option C--Excavation and Backfill

The components of this closure option would improve site conditions in the following manner:

- Collection/treatment of the basin water would reduce the potential for direct contact and reduce the driving force for subsurface transport.
- Aquifer controls, site access restrictions, and groundwater monitoring would afford some protection of the deep aquifer, reduce the potential risks associated with direct contact, and provide a warning system in the event of release of contaminants to the shallow groundwater system.
- Removal/and treatment of basin sediments would further reduce the potential for release to the groundwater and the potential risks associated with direct contact.
- Backfilling the basin would reduce the potential risks associated with direct contact and airborne releases, improve site drainage, and reduce infiltration.
- Implementation of surface controls would improve site drainage conditions and reduce surface erosion.

The long-term effects of reducing risk would be the similar to Closure Options A and B in that the infiltration of water through basin sediment would be minimized, decreasing potential migration to groundwater.

The environmental risks posed during excavation of sediments and soils are:

- Occupational exposure to workers
- Spread of materials by excavation equipment

- Release of air-borne dust
- Spread of materials by surface water run-off
- Increased potential for downward percolation during excavation

Risks to the environment posed during implementation of Closure Option C can be minimized by engineering controls. Atmospheric releases can be mitigated by dust control measures and air monitoring. Surface run-off can be controlled by berms and diversion structures.

VI. RECOMMENDED CLOSURE OPTION

The proposed closure options for the SRL Seepage Basins were compared and evaluated on the basis of protection of human health and the environment. While all options improve environmental protection, only Options B and C are reasonable selections based on correspondence to 40 CFR 264 Subpart G. Both of these options are roughly equivalent and similar options yielded acceptable risks in previous risk assessments (see the SRL Seepage Basins EID). Implementation of Option C provides little long term benefit relative to Option B and increases the potential for occupational exposure or remediation-related contamination spread. Based on these considerations, Option B—Backfill and Cap is the recommended closure option for the SRL Seepage Basins.

VII. QUALITY ASSURANCE

Waste Site Characterization Program

The SRL Seepage Basin characterization effort entailed the collection of 280 soil samples and 9 water samples. Analysis of these samples resulted in over 16,000 records of data being generated. In order to manage these data efficiently, it was decided to computerize the data so that data would be permanently stored in an organized and easily accessible data set.

Envirodyne Engineers Inc. digitized all the analytical data that they generated plus they redigitized analytical data from Teledyne Isotopes. Envirodyne provided SRS with the magnetic tape encoded with the analytical results from the two laboratories. SRS read the tape encoded with the analytical results from the two laboratories. Du Pont read the tape into a SAS (Statistical Analysis System—SAS Institute Inc.) data set on the IBM mainframe computer; and the SAS data management program was used to archive, sort, plot, and tabulate these data.

Envirodyne used a decentralized method of data coding rather than a more traditional centralized method. All data were transferred from the laboratory notebooks to the appropriate coding forms by the laboratory technician. By having the laboratory technician code the forms, missing codes and inconsistent data were more readily recognizable. Consequently, higher quality entries were made than would otherwise have been done by an individual less familiar with the data.

Envirodyne's data management team proofread the coding forms and validated entries prior to submitting the tape to Du Pont. After reading the tape into the SAS data set, a Du Pont data manager spot-checked the data for verification with the Envirodyne data manager.

Envirodyne's quality control program is described in the following text.

"The Field Quality Assurance Coordinator will introduce control samples (unspiked and spiked background samples) into the sample flow in an inconspicuous fashion. He will be assisted in this task by the data manager. Approximately 10 percent of the analysis for each lot will be on quality control samples. Background samples were chosen to avoid delays waiting the results of initial analyses to determine spike levels. Since the initial concentration of each analysis is known, spiked control samples can be prepared and inserted in each lot as samples."

The following analytical objectives were used:

- 1) The total error of an analytical result should not exceed the required limit of detection or 30 percent of the result, whichever is greater.
- 2) The bias should not exceed one-half of the required limit of detection, or 15 percent of the measured value, whichever is greater.
- 3) The standard deviation governing the frequency distribution of individual analytical results should not exceed one-quarter of the required limit of detection, or 7.5 percent of the measured value, whichever is greater.

The quality assurance program is in compliance with the Nuclear Regulatory Commission's requirements outlined in 10 CFR 50 Appendix B and Regulatory Guide 4.15. Teledyne Isotopes" Manual IWL-0032-395 outlines the specific program along with IWL-0032-361 which explains the quality control procedures. Both documents are confidential and written permission from Teledyne Isotopes is required for their reproduction.

Groundwater Sample Analysis

The analyses of groundwater samples were performed by EPA and SCDHEC certified laboratories. A number of steps are taken to ensure the quality and consistency of the analyses that are performed. These steps include: 1) performing replicate analyses on five percent of the total number of samples, 2) sending blind replicates to the primary laboratory to determine the consistency of their measurements, 3) sending prepared laboratory standards, with known quantities of constituents, to the contracted laboratories for analyses, and 4) sending laboratory blanks of distilled rinse water used in the field to identify potential field contamination. The results of these type of quality control efforts can be found in the Fourth Quarter, 1988 Groundwater Monitoring Program Report (HPR-89-193).

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APPENDIX A

**ANALYTICAL RESULTS FOR SEDIMENT CORES FROM THE SRL
SEEPAGE BASINS**

ANALYTICAL RESULTS FOR SEDIMENT CORES

The analytical results for the soil cores from the SRL Seepage Basins are reported in the following sets of tables. The following pages present a summary of the soil core analyses. Note that five cores, 6.1 m in length, were collected from each basin. The concentrations of several metals are elevated in the top 7.6 cm of the core, but concentrations generally decrease to low levels within the top 0.3 to 0.6 m. Concentrations from 0.6 to 6.1 are relatively low. The top increment in each core does not exceed the EP Toxicity Leach Test Guidelines. The organic data are not presented because no analyses of significance were detected. Teledyne performed the radioisotope analyses, and Envirodyne performed the metal, inorganic ion, and organic analyses.

Radioisotope Determination

Only the sediment samples were analyzed for radionuclides. Groundwater samples were not analyzed for radionuclides because the third quarter of 1983 groundwater analyses did not show any radioactive contaminants except for tritium.

Gamma-emitting isotopes were determined using Teledyne isotope method PRO-042-5. Isotopes determined by this method include ^{60}Co , ^{144}Cu , ^{137}Cs , ^{54}Mg , ^{228}Ra , ^{106}Ru and ^{228}Th . The samples were loaded into 300 mL plastic bottles, weighed, then counted for approximately 100 min with a Ge(Li) detector. A 2048 channel pulse analyzer with 1 KeV per channel was attached to the Ge(Li) detector. Radioisotope concentrations were calculated by computer with corrections made for background levels of the naturally occurring radioisotopes.

Alpha-emitting radioisotopes were determined using Teledyne isotopes method PRO-052-32. Isotopes determined by this method include ^{241}Am , ^{242}Cm , $^{243,244}\text{Cm}$, ^{238}Pu , $^{239,240}\text{Pu}$, ^{235}U , and ^{238}U . In this method, stable Fe carrier is used to isolate the radioisotopes of Am, Cm, Pu, and U. Then, by a series of pH adjustments and flows through an ion exchange column, the radioisotopes are finally separated into three fractions: a U fraction, a Pu fraction, and an Am and Cm fraction. The fractions were electroplated onto stainless steel discs and placed in a vacuum under a silicon detector. The alpha particles emitted were energy analyzed with 1024 channel analyzer.

Beta emitting isotopes, specifically ^{90}Sr , were determined using Teledyne isotopes method PRO-032-38. In this method, stable yttrium carrier is used to isolate the beta emitter. The yttrium is purified by several liquid-liquid extraction steps and finally precipitated onto a filter paper disc. The filter disc is mounted on a nylon planchet and is counted for beta activity in a low-level gas proportional counter. The sample is recounted 2 days later to check the radiochemical purity of ^{90}Y (64 hr half-life).

Tritium concentrations were determined by Teledyne isotopes method PRO-052-57 followed by method PRO-052-2. Using these methods, water is extracted from the samples, converted to hydrogen gas, then counted by gas counting.

Chemical Determination

Both the groundwater and sediment samples were analyzed for chemical compounds. Sediment samples, however, were predigested before any chemical analyses were made.

Metals

The concentrations of all the metals except Hg were determined by atomic absorption analysis using EPA section 200.0. Ag, As, Pb, and Se were determined by flameless atomic absorption; and Al, Ba, Cd, Cu, Fe, Mg, Mn, Ni, and Zn were determined by flame atomic absorption. In flame atomic absorption a flame is used to atomize the sample whereas in flameless atomic absorption a furnace is used to atomize the sample. In these methods filtration and chelation-extraction steps are used to remove interferences.

Hg concentrations were determined by colorimetry using EPA Method 212.3. In this method the Hg is isolated by passing the solution through a membrane filter. Curcumin is added to form a colored derivative of Hg allowing the concentration of Hg to be determined by an autoanalyzer.

Inorganic Ions

Ammonia concentrations were determined by colorimetry using EPA Method 350.1. In this method, an EDTA solution is added to prevent precipitation of Ca and Mg, and turbidity is removed by filtration. Then alkaline phenol and hypochlorite are added to the same solution to form a color derivative of ammonia, indophenol blue.

Chloride concentrations were determined by titrimetric methods (EPA Method 325.3). In this method, interferences are removed by precipitation-filtration, and mercuric nitrate is the titrant.

Cyanide concentrations were determined by colorimetry using EPA Method 335.2. In this method, acidification is used for releasing the cyanide in the cyanide complexes as HCN gas. The gas is absorbed in sodium hydroxide, and color is formed by converting the CN to CNC1 and adding pyridine-pyrazolone.

Fluoride concentrations were determined by colorimetry using EPA Method 340.1. In this method, interferences are removed by distillation, and the sample is treated with the SPADNS reagent. The fluoride concentration is measured as a difference of absorbance in the blank and the sample.

Nitrate concentrations were determined by colorimetry using EPA Method 353.2. In this method, the nitrate is reduced to nitrite, and the nitrite is diazotized to a highly colored azo dye which is measured colorimetrically.

Sulfate concentrations were determined by colorimetry using EPA Method 375.2. In this method, the sulfate is isolated by passing the solution through a membrane filter, and the multivalent metal ions are stripped from the filtrate by extraction. Methylthymol blue is added to form the color derivative.

Sulfide concentrations were determined by titrimetric methods using either Standard Method 228A or the EPA Method 300.0, commonly referred to as the Dionix Method. Sulfide concentrations for basins 1 and 2 were determined using Standard Method 228A, and sulfide concentrations for basins 3 and 4 were determined by the EPA method. Both methods are ion chromatography methods, but the Dionix Method has an amperometric addition for photometric analysis.

Organics

The hazardous constituents were determined using EPA Method SW-846. In this method three organic fractions are extracted from the solid waste: a base/neutral fraction, an acid fraction, and a volatiles fraction. The base/neutral and acid fractions are extracted from the same samples whereas the volatiles fraction is extracted from a different sample. Each fraction is analyzed separately on a GC/MS. Approximately 81 hazardous constituents are analyzed quantitatively, and the others are analyzed qualitatively. The quantitative determinations involve comparing sample and standard spectra. In the qualitative determinations, on the other hand, standards are not prepared, and computer data libraries of spectra and expected response are used to estimate concentration. This method can be called "semiquantitative."

TABLE A-1. Soil Core Data for the Savannah River Laboratory Seepage Basins (Summary)

Basin 1

Concentrations (µg/g)

	<u>Top 3.6 cm</u>			<u>0.6 to 6.1 m</u>	
	<u>Minimum</u>	<u>Maximum</u>	<u>Mean</u>	<u>Minimum</u>	<u>Maximum</u>
Arsenic	2.52	4.05	3.31	0.13	2.83
Barium	11.6	25.8	24.5	<2.0	7.3
Cadmium	1.30	4.30	2.64	<0.20	0.40
Chromium	69.5	249.0	136.1	1.2	53.4
Copper	31.72	79.68	49.39	0.84	12.82
Lead	32.2	84.3	55.0	1.5	17.2
Mercury	8.8	26.7	16.9	<0.2	3.5
Nickel	22.8	142.7	64.4	0.5	11.2
Selenium	<0.05	<0.05	<0.05	<0.05	<0.05
Silver	1.31	28.60	16.47	<0.02	5.12
Zinc	33.0	160.0	77.2	1.0	16.6

Concentrations (pCi/g)

²⁴¹ Am	0.19	100.0	25.9	0.02	1.8
¹³⁷ Cs	670	2,060	1,086	0.25	107
⁶⁰ Co	1.37	8.69	4.92	<0.02	0.17
²⁴² Cm	<0.04	5.4	1.66	<0.01	0.22
^{243/244} Cm	13.0	1300	400	0.25	22.0
²³⁸ Pu	0.05	61.0	16.8	0.09	2.4
^{239/240} Pu	0.06	330	75.5	0.13	61.0
⁹⁰ Sr	43.0	360	141	<0.07	48.0
Tritium*	6.8	18.5	11.9	2.0	27.0
²³⁵ U	2.3	53.0	16.7	<0.01	2.3
²³⁸ U	22.0	420	159	0.1	22.0

* Assumes moisture content of 0.3 and bulk density of 1.6 g/cm³.

TABLE A-1, Contd

Basin 2

Concentrations ($\mu\text{g/g}$)

	<u>Top 7.6 cm</u>			<u>0.6 to 6.1 m</u>	
	<u>Minimum</u>	<u>Maximum</u>	<u>Mean</u>	<u>Minimum</u>	<u>Maximum</u>
Arsenic	3.40	14.70	6.74	0.05	1.20
Barium	22.0	100.4	51.2	<2.0	30.0
Cadmium	1.44	14.38	6.77	<0.20	0.50
Chromium	30.2	307.7	140.2	<1.0	36.8
Copper	21.48	175.6	90.90	<0.50	3.52
Lead	16.4	173.2	84.1	1.4	6.0
Mercury	5.2	43.0	21.3	<0.2	1.5
Nickel	23.7	169.7	89.5	0.5	4.0
Selenium	<0.05	<0.05	<0.05	<0.05	<0.05
Silver	1.44	15.40	9.09	<0.02	0.28
Zinc	2.4	345.6	151.8	1.5	77.2

Concentrations (pCi/g)

^{241}Am	10.0	50.0	30.8	<0.02	11.0
^{137}Cs	453	2,470	1,448	<0.03	95.5
^{60}Co	4.5	284	82.0	<0.03	3.7
^{242}Cm	<0.1	1.2	0.6	<0.01	0.05
$^{243/244}\text{Cm}$	17.0	770	433	0.05	82.0
^{238}Pu	5.7	220	55.5	0.04	1.5
$^{239/240}\text{Pu}$	9.0	280	182	0.03	3.1
^{90}Sr	140	640	356	<0.05	19.0
Tritium*	4.8	7.5	6.4	3.8	14.4
^{235}U	2.1	12.0	5.7	<0.01	0.10
^{238}U	36.0	190	91.4	0.03	2.7

* Assumes moisture content of 0.3 and bulk density of 1.6 g/cm^3 .

TABLE A-1, Contd

Basin 3

Concentrations (µg/g)

	<u>Top 7.6 cm</u>			<u>0.6 to 6.1 m</u>	
	<u>Minimum</u>	<u>Maximum</u>	<u>Mean</u>	<u>Minimum</u>	<u>Maximum</u>
Arsenic	2.80	9.20	5.44	0.36	15.03
Barium	4.1	11.5	6.5	<2.0	2.6
Cadmium	0.22	0.85	0.62	<0.20	0.25
Chromium	12.4	35.8	24.6	1.8	35.5
Copper	3.20	14.00	9.56	0.90	4.30
Lead	4.5	13.8	8.0	1.6	7.7
Mercury	<0.2	2.9	1.5	<0.2	<0.2
Nickel	4.0	18.1	11.2	<0.8	4.0
Selenium	<0.10	<0.10	<0.10	<0.10	<0.22
Silver	0.06	0.57	0.23	<0.02	0.06
Zinc	4.7	34.6	24.0	0.2	36.5

Concentrations (pCi/g)

²⁴¹ Am	0.14	4.2	1.3	0.05	0.57
¹³⁷ Cs	311	867	559	<0.05	42.0
⁶⁰ Co	2.7	19.0	10.4	<0.02	1.6
²⁴² Cm	<0.01	0.11	0.06	<0.01	0.12
^{243/244} Cm	1.9	75.0	35.0	<0.03	8.0
²³⁸ Pu	0.11	7.6	2/3	0.005	0.46
^{239/240} Pu	0.03	3/8	1.1	<0.001	0.48
⁹⁰ Sr	39	6,900	1,435	<0.05	5.5
Tritium*	1.1	2.0	1.6	1.0	3.1
²³⁵ U	1.7	9.9	4.2	0.004	0.22
²³⁸ U	11.0	30.0	15.7	0.08	2.2

* Assumes moisture content of 0.3 and bulk density of 1.6 g/cm³.

TABLE A-1, Contd

Basin 4

Concentrations ($\mu\text{g/g}$)

	<u>Top 7.6 cm</u>			<u>0.6 to 6.1 m</u>	
	<u>Minimum</u>	<u>Maximum</u>	<u>Mean</u>	<u>Minimum</u>	<u>Maximum</u>
Arsenic	3.53	19.64	8.05	0.27	50.21
Barium	3.1	10.0	7.9	<2.0	11.6
Cadmium	0.32	0.54	0.40	<0.20	0.42
Chromium	16.9	41.7	30.7	3.7	56.0
Copper	4.00	14.80	10.24	1.10	7.40
Lead	2.9	7.1	4.9	0.9	8.9
Mercury	<0.2	0.8	0.4	<0.2	<0.2
Nickel	4.0	8.8	6.8	1.0	4.4
Selenium	<0.10	<0.10	<0.10	<0.10	<0.10
Silver	0.03	0.58	0.30	<0.02	0.05
Zinc	11.7	35.0	23.5	1.1	55.5

Concentrations (pCi/g)

^{241}Am	0.04	7.9	3.6	0.01	0.71
^{137}Cs	100	237	158	0.03	3.3
^{60}Co	0.67	2.9	1.9	<0.02	<0.05
^{242}Cm	<0.005	0.17	0.05	<0.02	0.23
$^{243/244}\text{Cm}$	5.9	66.0	33.0	0.07	9.3
^{238}Pu	0.11	1.3	0.65	0.01	0.11
$^{239/240}\text{Pu}$	0.14	1.0	0.57	<0.003	0.11
^{90}Sr	1.2	21	13.2	<0.05	22
Tritium*	1.1	1.3	1.2	0.3	2.2
^{235}U	0.17	1.4	0.73	<0.01	0.08
^{238}U	2.3	10.0	5.4	0.1	0.5

* Assumes moisture content of 0.3 and bulk density of 1.6 g/cm^3 .

APPENDIX B

GROUNDWATER MONITORING DATA AND RESULTS OF STATISTICAL COMPARISONS

GROUNDWATER MONITORING DATA AND RESULTS OF STATISTICAL COMPARISONS

The following tables document the analytical data from wells ASB 1A, ASB 2A, ASB 3A, ASB 4, ASB 5A, and ASB 6A that were used to assess the quality of groundwater underlying the SRL Seepage Basins. For each well, the following data tables are presented in turn:

<u>Table Type</u>	<u>Information</u>	<u>Data Fields</u>
Raw Data -	all available analytical data from the well.	well - ASB XX date - MMDDYY test name measurement units laboratory code ¹
T Test Data -	the data used for statistical testing after all of the pretest criteria were used (e.g., the data in this table had more than 50 % of the samples greater than detection, were from the reference laboratory, had more than four sample dates, etc.). Each of these tables included the relevant background data.	observation # well - ASBXX date - MMDDYY test name value used in T Test
Statistical Results -	output tables for the T Tests.	output from SAS PROC TTEST

The last section in this appendix presents the raw data for the background wells.

¹ Laboratory Codes -

- EE = Envirodyne Engineers
- EW = Enwright Laboratories
- FD = Field Data
- CP = Controls for Environmental Pollution
- MM = subcontractor to Environmental & Chemical Services
- RM = Radiation Measurements / Envirodyne Engineers
- MA = M-Area Analytical Laboratories at SRS
- SR = SRS Environmental Monitoring Laboratories
- TE = Teledyne Isotopes
- WA = Westin Analytics

Groundwater Monitoring Well

ASB 1A

Raw Data

Raw Data for ASB 1A

ASB 1A 032384	SPECIFIC CONDUCTANCE		47.0000	UMHC	FD
ASB 1A 032384	PH		5.5000	PH	FD
ASB 1A 041184	SPECIFIC CONDUCTANCE		39.0000	UMHC	FD
ASB 1A 041184	PH		5.5000	PH	FD
ASB 1A 081584	SILVER	LT	2.0000	UGL	EE
ASB 1A 081584	GROSS ALPHA	LT	2.0000	PCL	CP
ASB 1A 081584	ARSENIC	LT	1.0000	UGL	EE
ASB 1A 081584	BARIUM		8.0000	UGL	EE
ASB 1A 081584	BERYLLIUM	LT	2.0000	UGL	EE
ASB 1A 081584	NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB 1A 081584	CADMIUM	LT	2.0000	UGL	EE
ASB 1A 081584	CHLORIDE		6450.0000	UGL	EE
ASB 1A 081584	COLOR		0.0000	APC	EE
ASB 1A 081584	SPECIFIC CONDUCTANCE		43.0000	UMHC	FD
ASB 1A 081584	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 081584	COPPER	LT	4.0000	UGL	EE
ASB 1A 081584	CYANIDE	LT	5.0000	UGL	EE
ASB 1A 081584	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 1A 081584	FLUORIDE		120.0000	UGL	EE
ASB 1A 081584	IRON		32.0000	UGL	EE
ASB 1A 081584	GC SCAN	LT	40.0000	UGL	EE
ASB 1A 081584	MERCURY	LT	0.2000	UGL	EE
ASB 1A 081584	MERCURY	LT	0.2000	UGL	EE
ASB 1A 081584	MANGANESE		120.0000	UGL	EE
ASB 1A 081584	SODIUM		2180.0000	UGL	EE
ASB 1A 081584	NICKEL	LT	4.0000	UGL	EE
ASB 1A 081584	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 1A 081584	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 1A 081584	ODOR		0.0000	THON	EE
ASB 1A 081584	LEAD		35.0000	UGL	EE
ASB 1A 081584	PH		4.3000	PH	FD
ASB 1A 081584	PHENOLS		11.0000	UGL	EE
ASB 1A 081584	SELENIUM	LT	1.0000	UGL	EE
ASB 1A 081584	SILVEX	LT	2.0000	UGL	EE
ASB 1A 081584	SULFATE	LT	10000.0000	UGL	EE
ASB 1A 081584	SULFIDE	LT	1000.0000	UGL	EE
ASB 1A 081584	SURFACTANTS	LT	10.0000	UGL	EE
ASB 1A 081584	TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB 1A 081584	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 1A 081584	TOTAL RADIUM		4.0000	PCL	CP
ASB 1A 081584	TOTAL ORGANIC HALOGENS		8.0000	UGL	MM
ASB 1A 081584	TURBIDITY	LT	1.0000	TU	EE
ASB 1A 081584	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 1A 081584	ZINC		55.0000	UGL	EE
ASB 1A 112884	SILVER	LT	2.0000	UGL	EE
ASB 1A 112884	GROSS ALPHA		10.0000	PCL	CP
ASB 1A 112884	ARSENIC	LT	1.0000	UGL	EE
ASB 1A 112884	BARIUM		8.0000	UGL	EE
ASB 1A 112884	BERYLLIUM	LT	2.0000	UGL	EE
ASB 1A 112884	NONVOLATILE BETA		7.0000	PCL	CP
ASB 1A 112884	CADMIUM	LT	2.0000	UGL	EE
ASB 1A 112884	CHLORIDE		5800.0000	UGL	EE
ASB 1A 112884	CHLORIDE		4800.0000	UGL	EE
ASB 1A 112884	COLOR		0.0000	APC	EE
ASB 1A 112884	SPECIFIC CONDUCTANCE		54.0000	UMHC	FD
ASB 1A 112884	CORROSIVITY		0.0023	MMY	EE
ASB 1A 112884	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 112884	COPPER	LT	4.0000	UGL	EE
ASB 1A 112884	CYANIDE	LT	5.0000	UGL	EE
ASB 1A 112884	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 1A 112884	ENDRIN	LT	0.0400	UGL	EE
ASB 1A 112884	FLUORIDE	LT	100.0000	UGL	EE
ASB 1A 112884	IRON		5.0000	UGL	EE
ASB 1A 112884	GC SCAN	LT	40.0000	UGL	EE

Raw Data for ASB 1A

ASB 1A 112884 MERCURY	LT	0.2000	UGL	EE
ASB 1A 112884 LINDANE	LT	1.0000	UGL	EE
ASB 1A 112884 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 1A 112884 MANGANESE		98.0000	UGL	EE
ASB 1A 112884 SODIUM		2020.0000	UGL	EE
ASB 1A 112884 NICKEL	LT	4.0000	UGL	EE
ASB 1A 112884 NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 1A 112884 NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 1A 112884 ODOR		0.0000	THON	EE
ASB 1A 112884 LEAD	LT	4.0000	UGL	EE
ASB 1A 112884 PH		4.5000	PH	FD
ASB 1A 112884 PHENOLS	LT	2.0000	UGL	EE
ASB 1A 112884 SELENIUM	LT	1.0000	UGL	EE
ASB 1A 112884 SILVEX	LT	2.0000	UGL	EE
ASB 1A 112884 SULFATE	LT	5000.0000	UGL	EE
ASB 1A 112884 SULFIDE	LT	1000.0000	UGL	EE
ASB 1A 112884 SURFACTANTS	LT	10.0000	UGL	EE
ASB 1A 112884 TOTAL DISSOLVED SOLIDS		40000.0000	UGL	EE
ASB 1A 112884 TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 1A 112884 TOTAL RADIUM		2.0000	PCL	CP
ASB 1A 112884 TOTAL ORGANIC HALOGENS		7.0000	UGL	MM
ASB 1A 112884 TURBIDITY		6.5000	TU	EE
ASB 1A 112884 TOXAPHENE	LT	1.0000	UGL	EE
ASB 1A 112884 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 1A 112884 ZINC		11.0000	UGL	EE
ASB 1A 022585 SILVER	LT	2.0000	UGL	EE
ASB 1A 022585 GROSS ALPHA		8.0000	PCL	CP
ASB 1A 022585 ARSENIC	LT	1.0000	UGL	EE
ASB 1A 022585 BARIUM		12.0000	UGL	EE
ASB 1A 022585 NONVOLATILE BETA		5.0000	PCL	CP
ASB 1A 022585 CADMIUM	LT	2.0000	UGL	EE
ASB 1A 022585 CHLORIDE		7770.0000	UGL	EE
ASB 1A 022585 SPECIFIC CONDUCTANCE		75.0000	UMHC	FD
ASB 1A 022585 CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 022585 ENDRIN	LT	0.0400	UGL	EE
ASB 1A 022585 FLUORIDE	LT	100.0000	UGL	EE
ASB 1A 022585 IRON	LT	4.0000	UGL	EE
ASB 1A 022585 MERCURY		0.2000	UGL	EE
ASB 1A 022585 LINDANE	LT	1.0000	UGL	EE
ASB 1A 022585 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 1A 022585 MANGANESE		20.0000	UGL	EE
ASB 1A 022585 SODIUM		2250.0000	UGL	EE
ASB 1A 022585 NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 1A 022585 LEAD	LT	4.0000	UGL	EE
ASB 1A 022585 PH		5.5000	PH	FD
ASB 1A 022585 PHENOLS	LT	2.0000	UGL	EE
ASB 1A 022585 PHENOLS	LT	2.0000	UGL	EE
ASB 1A 022585 SELENIUM	LT	1.0000	UGL	EE
ASB 1A 022585 SILVEX	LT	2.0000	UGL	EE
ASB 1A 022585 SULFATE	LT	5000.0000	UGL	EE
ASB 1A 022585 TOTAL ORGANIC CARBON		415.0000	UGL	EE
ASB 1A 022585 TOTAL RADIUM		2.0000	PCL	CP
ASB 1A 022585 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 1A 022585 TURBIDITY		1.6000	TU	EE
ASB 1A 022585 TOXAPHENE	LT	1.0000	UGL	EE
ASB 1A 022585 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 1A 042385 SPECIFIC CONDUCTANCE		47.0000	UMHC	FD
ASB 1A 042385 CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 042385 MERCURY	LT	0.2000	UGL	EE
ASB 1A 042385 SODIUM		2050.0000	UGL	EE
ASB 1A 042385 LEAD		8.0000	UGL	EE
ASB 1A 042385 PH		5.0000	PH	FD
ASB 1A 042385 TOTAL ORGANIC CARBON		688.0000	UGL	EE
ASB 1A 042385 TOTAL ORGANIC HALOGENS		7.8000	UGL	EE

Raw Data for ASB 1A

ASB 1A 081385	SPECIFIC CONDUCTANCE		43.0000	UMHC	FD
ASB 1A 081385	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 081385	MERCURY	LT	0.2000	UGL	EE
ASB 1A 081385	SODIUM		3710.0000	UGL	EE
ASB 1A 081385	LEAD	LT	10.0000	UGL	EE
ASB 1A 081385	PH		5.0000	PH	FD
ASB 1A 081385	TOTAL ORGANIC CARBON		350.0000	UGL	EE
ASB 1A 081385	TOTAL ORGANIC HALOGENS		13.0000	UGL	EE
ASB 1A 102985	SPECIFIC CONDUCTANCE		35.0000	UMHC	FD
ASB 1A 102985	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 102985	MERCURY	LT	0.2000	UGL	EE
ASB 1A 102985	SODIUM		2290.0000	UGL	EE
ASB 1A 102985	LEAD	LT	5.0000	UGL	EE
ASB 1A 102985	PH		4.6000	PH	FD
ASB 1A 102985	TOTAL ORGANIC CARBON		1390.0000	UGL	EE
ASB 1A 102985	TOTAL ORGANIC HALOGENS		11.0000	UGL	EE
ASB 1A 021286	GROSS ALPHA		8.0000	PCL	CP
ASB 1A 021286	NONVOLATILE BETA		4.0000	PCL	CP
ASB 1A 021286	CHLORIDE		6900.0000	UGL	EE
ASB 1A 021286	SPECIFIC CONDUCTANCE		41.0000	UMHC	FD
ASB 1A 021286	IRON		7.0000	UGL	EE
ASB 1A 021286	MERCURY	LT	0.2000	UGL	EE
ASB 1A 021286	MANGANESE		34.0000	UGL	EE
ASB 1A 021286	SODIUM		2100.0000	UGL	EE
ASB 1A 021286	PH		4.4000	PH	FD
ASB 1A 021286	PHENOLS	LT	2.0000	UGL	EE
ASB 1A 021286	PHENOLS	LT	2.0000	UGL	EE
ASB 1A 021286	SULFATE	LT	5000.0000	UGL	EE
ASB 1A 021286	SULFATE	LT	5000.0000	UGL	EE
ASB 1A 021286	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 1A 021286	TOTAL RADIUM		4.0000	PCL	CP
ASB 1A 021286	TOTAL ORGANIC HALOGENS		6.0000	UGL	EE
ASB 1A 041886	SPECIFIC CONDUCTANCE		42.0000	UMHC	FD
ASB 1A 041886	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 041886	NICKEL	LT	4.0000	UGL	EE
ASB 1A 041886	LEAD		5.0000	UGL	EE
ASB 1A 041886	PH		4.9000	PH	FD
ASB 1A 041886	ZINC	LT	2.0000	UGL	EE
ASB 1A 080586	GROSS ALPHA	LT	3.0000	PCL	RM
ASB 1A 080586	SPECIFIC CONDUCTANCE		37.0000	UMHC	FD
ASB 1A 080586	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 080586	MANGANESE		78.0000	UGL	EE
ASB 1A 080586	LEAD	LT	8.0000	UGL	EE
ASB 1A 080586	PH		4.8000	PH	FD
ASB 1A 080586	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 1A 080586	TOTAL RADIUM		2.5000	PCL	RM
ASB 1A 080586	TOTAL ORGANIC HALOGENS		7.0000	UGL	EE
ASB 1A 101286	BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB 1A 101286	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB 1A 101286	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB 1A 101286	BROMOFORM	LT	10.0000	UGL	EE
ASB 1A 101286	CHLOROFORM	LT	5.0000	UGL	EE
ASB 1A 101286	BROMOMETHANE	LT	10.0000	UGL	EE
ASB 1A 101286	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB 1A 101286	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB 1A 101286	SPECIFIC CONDUCTANCE		40.0000	UMHC	FD
ASB 1A 101286	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 101286	CHLOROETHENE	LT	10.0000	UGL	EE
ASB 1A 101286	CHLOROETHANE	LT	10.0000	UGL	EE
ASB 1A 101286	BENZENE	LT	5.0000	UGL	EE
ASB 1A 101286	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB 1A 101286	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB 1A 101286	TOLUENE-D8		100.0000	PER	EE
ASB 1A 101286	TOLUENE	LT	5.0000	UGL	EE

Raw Data for ASB 1A

ASB	1A	101286	SODIUM		2010.0000	UGL	EE
ASB	1A	101286	P-BROMOFLUOROBENZENE		99.0000	PER	EE
ASB	1A	101286	PH		4.3000	PH	FD
ASB	1A	101286	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB	1A	101286	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB	1A	101286	TOTAL ORGANIC HALOGENS		5.0000	UGL	EE
ASB	1A	101286	TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB	1A	101286	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB	1A	101286	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB	1A	101286	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB	1A	101286	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB	1A	101286	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB	1A	101286	1,2-DICHLOROETHANE-D4		94.0000	PER	EE
ASB	1A	101286	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB	1A	101286	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB	1A	101286	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB	1A	101286	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB	1A	101286	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB	1A	012087	SILVER	LT	2.0000	UGL	EE
ASB	1A	012087	GROSS ALPHA		3.3000	PCL	RM
ASB	1A	012087	GROSS ALPHA		2.4000	PCL	RM
ASB	1A	012087	ARSENIC	LT	2.0000	UGL	EE
ASB	1A	012087	BARIUM		12.0000	UGL	EE
ASB	1A	012087	NONVOLATILE BETA		2.6000	PCL	RM
ASB	1A	012087	NONVOLATILE BETA		3.5000	PCL	RM
ASB	1A	012087	CALCIUM		2070.0000	UGL	EE
ASB	1A	012087	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	1A	012087	CADMIUM	LT	2.0000	UGL	EE
ASB	1A	012087	CHLOROFORM	LT	1.0000	UGL	EE
ASB	1A	012087	CHLORIDE		5800.0000	UGL	EE
ASB	1A	012087	SPECIFIC CONDUCTANCE		53.0000	UMBC	FD
ASB	1A	012087	CEROMIUM	LT	4.0000	UGL	EE
ASB	1A	012087	FLUORIDE		120.0000	UGL	EE
ASB	1A	012087	IRON		13.0000	UGL	EE
ASB	1A	012087	MERCURY	LT	0.2000	UGL	EE
ASB	1A	012087	POTASSIUM		375.0000	UGL	EE
ASB	1A	012087	MAGNESIUM		752.0000	UGL	EE
ASB	1A	012087	MANGANESE		92.0000	UGL	EE
ASB	1A	012087	SODIUM		2160.0000	UGL	EE
ASB	1A	012087	NICKEL	LT	4.0000	UGL	EE
ASB	1A	012087	NITRATE AS NITROGEN		120.0000	UGL	EE
ASB	1A	012087	LEAD		7.0000	UGL	EE
ASB	1A	012087	PH		4.0000	PH	FD
ASB	1A	012087	PHENOLS	LT	2.0000	UGL	EE
ASB	1A	012087	SELENIUM	LT	2.0000	UGL	EE
ASB	1A	012087	SILICA		2070.0000	UGL	EE
ASB	1A	012087	SULFATE		3600.0000	UGL	EE
ASB	1A	012087	SULFATE		4300.0000	UGL	EE
ASB	1A	012087	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	1A	012087	TOTAL DISSOLVED SOLIDS		44000.0000	UGL	EE
ASB	1A	012087	TOTAL DISSOLVED SOLIDS		42000.0000	UGL	EE
ASB	1A	012087	TOTAL ORGANIC CARBON		1000.0000	UGL	EE
ASB	1A	012087	TOTAL RADIUM		2.6000	PCL	RM
ASB	1A	012087	TOTAL RADIUM		3.1000	PCL	RM
ASB	1A	012087	TOTAL ORGANIC HALOGENS		5.3000	UGL	EE
ASB	1A	012087	TOTAL PHOSPHATES		30.0000	UGL	EE
ASB	1A	012087	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	1A	012087	TRITIUM		1.5800	PCML	RM
ASB	1A	012087	TRITIUM		1.5800	PCML	RM
ASB	1A	012087	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	1A	012087	ZINC		15.0000	UGL	EE
ASB	1A	042587	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	1A	042587	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	1A	042587	CHLOROFORM	LT	1.0000	UGL	EE

Raw Data for ASB 1A

ASB 1A 042587 CHLOROFORM	LT	1.0000	UGL	EE
ASB 1A 042587 SPECIFIC CONDUCTANCE		47.0000	UMHC	FD
ASB 1A 042587 PH		4.9000	PH	FD
ASB 1A 042587 TETRACHLOROETHYLENE		4.1000	UGL	EE
ASB 1A 042587 TETRACHLOROETHYLENE		2.3000	UGL	EE
ASB 1A 042587 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 1A 042587 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 1A 042587 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 042587 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 080287 GROSS ALPHA		2.1000	PCL	RM
ASB 1A 080287 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 1A 080287 CHLOROFORM	LT	1.0000	UGL	EE
ASB 1A 080287 SPECIFIC CONDUCTANCE		51.0000	UMHC	FD
ASB 1A 080287 CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 080287 IRON		22.0000	UGL	EE
ASB 1A 080287 MANGANESE		130.0000	UGL	EE
ASB 1A 080287 SODIUM		3220.0000	UGL	EE
ASB 1A 080287 LEAD		6.0000	UGL	EE
ASB 1A 080287 PH		5.6000	PH	FD
ASB 1A 080287 TETRACHLOROETHYLENE		3.5800	UGL	EE
ASB 1A 080287 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 1A 080287 TOTAL RADIUM		4.8000	PCL	RM
ASB 1A 080287 TOTAL ORGANIC HALOGENS		8.0000	UGL	EE
ASB 1A 080287 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 1A 080287 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 101887 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 1A 101887 CHLOROFORM	LT	1.0000	UGL	EE
ASB 1A 101887 SPECIFIC CONDUCTANCE		54.0000	UMHC	FD
ASB 1A 101887 PH		5.2000	PH	FD
ASB 1A 101887 TETRACHLOROETHYLENE		2.9800	UGL	EE
ASB 1A 101887 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 1A 101887 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 012688 GROSS ALPHA		7.2000	PCL	EE
ASB 1A 012688 NONVOLATILE BETA		6.2000	PCL	EE
ASB 1A 012688 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 1A 012688 CADMIUM	LT	2.0000	UGL	EE
ASB 1A 012688 CADMIUM	LT	2.0000	UGL	EE
ASB 1A 012688 CHLOROFORM	LT	1.0000	UGL	EE
ASB 1A 012688 CHLORIDE		5300.0000	UGL	EE
ASB 1A 012688 SPECIFIC CONDUCTANCE		42.0000	UMHC	FD
ASB 1A 012688 COPPER		8.0000	UGL	EE
ASB 1A 012688 COPPER		8.0000	UGL	EE
ASB 1A 012688 IRON		13.0000	UGL	EE
ASB 1A 012688 IRON		14.0000	UGL	EE
ASB 1A 012688 MERCURY	LT	0.2000	UGL	EE
ASB 1A 012688 MERCURY	LT	0.2000	UGL	EE
ASB 1A 012688 MANGANESE		65.0000	UGL	EE
ASB 1A 012688 MANGANESE		67.0000	UGL	EE
ASB 1A 012688 SODIUM		3980.0000	UGL	EE
ASB 1A 012688 SODIUM		4130.0000	UGL	EE
ASB 1A 012688 NICKEL	LT	4.0000	UGL	EE
ASB 1A 012688 NICKEL	LT	4.0000	UGL	EE
ASB 1A 012688 LEAD		7.0000	UGL	EE
ASB 1A 012688 LEAD	LT	6.0000	UGL	EE
ASB 1A 012688 PH		5.2000	PH	FD
ASB 1A 012688 SULFATE		10000.0000	UGL	EE
ASB 1A 012688 TETRACHLOROETHYLENE		3.4900	UGL	EE
ASB 1A 012688 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 1A 012688 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 1A 012688 TOTAL RADIUM		3.4000	PCL	EE
ASB 1A 012688 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 1A 012688 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 1A 012688 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 040588 CHLOROFORM	LT	1.0000	UGL	MA

Raw Data for ASB 1A

ASB 1A 040588	SPECIFIC CONDUCTANCE		57.0000	UMHC	FD
ASB 1A 040588	PH		5.4000	PH	FD
ASB 1A 040588	TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 1A 040588	TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 1A 040588	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 1A 070788	SILVER	LT	2.0000	UGL	EE
ASB 1A 070788	GROSS ALPHA		5.5100	PCL	EE
ASB 1A 070788	ARSENIC	LT	2.0000	UGL	EE
ASB 1A 070788	BARIUM		8.0000	UGL	EE
ASB 1A 070788	NONVOLATILE BETA		4.8700	PCL	EE
ASB 1A 070788	CALCIUM		1420.0000	UGL	EE
ASB 1A 070788	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 1A 070788	CADMIUM	LT	2.0000	UGL	EE
ASB 1A 070788	CERIUM 144		0.0000	PCML	SR
ASB 1A 070788	CHLOROFORM	LT	1.0000	UGL	EE
ASB 1A 070788	CHLOROFORM	LT	1.0000	UGL	MA
ASB 1A 070788	CHLORIDE		5600.0000	UGL	EE
ASB 1A 070788	SPECIFIC CONDUCTANCE		47.0000	UMHC	FD
ASB 1A 070788	COBALT 60		0.0000	PCML	SR
ASB 1A 070788	CHROMIUM	LT	4.0000	UGL	EE
ASB 1A 070788	CHROMIUM 51		0.0000	PCML	SR
ASB 1A 070788	CESIUM 134		0.0000	PCML	SR
ASB 1A 070788	CESIUM 137		0.0000	PCML	SR
ASB 1A 070788	FLUORIDE	LT	100.0000	UGL	EE
ASB 1A 070788	IRON		123.0000	UGL	EE
ASB 1A 070788	MERCURY	LT	0.2000	UGL	EE
ASB 1A 070788	IODINE 131		0.0000	PCML	SR
ASB 1A 070788	POTASSIUM	LT	500.0000	UGL	EE
ASB 1A 070788	MAGNESIUM		501.0000	UGL	EE
ASB 1A 070788	MANGANESE		61.0000	UGL	EE
ASB 1A 070788	SODIUM		4520.0000	UGL	EE
ASB 1A 070788	NITRATE AS NITROGEN		270.0000	UGL	EE
ASB 1A 070788	LEAD	LT	6.0000	UGL	EE
ASB 1A 070788	LEAD 214		0.0930	PCML	SR
ASB 1A 070788	PH		4.9000	PH	FD
ASB 1A 070788	PHENOLS	LT	5.0000	UGL	EE
ASB 1A 070788	RUTHENIUM 103		0.0000	PCML	SR
ASB 1A 070788	RUTHENIUM 106		0.0000	PCML	SR
ASB 1A 070788	ANTIMONY 123		0.0000	PCML	SR
ASB 1A 070788	SELENIUM	LT	2.0000	UGL	EE
ASB 1A 070788	SELENIUM	LT	2.0000	UGL	EE
ASB 1A 070788	SILICA		1510.0000	UGL	EE
ASB 1A 070788	SULFATE		5100.0000	UGL	EE
ASB 1A 070788	TETRACHLOROETHYLENE		2.3700	UGL	EE
ASB 1A 070788	TETRACHLOROETHYLENE		2.3100	UGL	MA
ASB 1A 070788	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 1A 070788	TOTAL RADIUM		2.3200	PCL	EE
ASB 1A 070788	TOTAL ORGANIC HALOGENS		22.0000	UGL	EE
ASB 1A 070788	TOTAL PHOSPHATES		40.0000	UGL	EE
ASB 1A 070788	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 1A 070788	TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 1A 070788	TRITIUM		1.1700	PCML	EE
ASB 1A 070788	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 1A 070788	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 1A 070788	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 070788	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 1A 070788	ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 1A 102688	CHLOROFORM	LT	1.0000	UGL	MA
ASB 1A 102688	CHLOROFORM	LT	1.0000	UGL	MA
ASB 1A 102688	SPECIFIC CONDUCTANCE		56.0000	UMHC	FD
ASB 1A 102688	SPECIFIC CONDUCTANCE		56.0000	UMHC	FD
ASB 1A 102688	PH		4.9000	PH	FD
ASB 1A 102688	PH		4.9000	PH	FD
ASB 1A 102688	TETRACHLOROETHYLENE		2.9300	UGL	MA

Raw Data for ASB 1A

ASB 1A 102688 TETRACHLOROETHYLENE		3.4900 UGL	MA
ASB 1A 102688 TRICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 1A 102688 TRICHLOROETHYLENE		1.4000 UGL	MA
ASB 1A 102688 TRANS-1,2-DICHLOROETHENE	LT	1.0000 UGL	MA
ASB 1A 102688 TRANS-1,2-DICHLOROETHENE	LT	1.0000 UGL	MA
ASB 1A 102688 1,1-DICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 1A 102688 1,1-DICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 1A 102688 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB 1A 102688 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB 1A 032689 SILVER	LT	2.0000 UGL	EE
ASB 1A 032689 GROSS ALPHA		3.3500 PCL	RM
ASB 1A 032689 AMERICIUM 241		0.1100 PCL	TE
ASB 1A 032689 ARSENIC	LT	2.0000 UGL	EE
ASB 1A 032689 BARIUM		6.0000 UGL	EE
ASB 1A 032689 BARIUM 140	LT	9.0000 PCL	TE
ASB 1A 032689 NONVOLATILE BETA		3.0500 PCL	RM
ASB 1A 032689 BERYLLIUM 7	LT	50.0000 PCL	TE
ASB 1A 032689 CALCIUM		958.0000 UGL	EE
ASB 1A 032689 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 1A 032689 CADMIUM	LT	2.0000 UGL	EE
ASB 1A 032689 CERIUM 141	LT	10.0000 PCL	TE
ASB 1A 032689 CERIUM 144		0.0000 PCML	SR
ASB 1A 032689 CERIUM 144	LT	50.0000 PCL	TE
ASB 1A 032689 CHLOROFORM	LT	1.0000 UGL	EE
ASB 1A 032689 CHLOROFORM	LT	1.0000 UGL	MA
ASB 1A 032689 CHLORIDE		8100.0000 UGL	EE
ASB 1A 032689 CURIUM 242		0.6300 PCL	TE
ASB 1A 032689 CURIUM 243/244	LT	0.3000 PCL	TE
ASB 1A 032689 SPECIFIC CONDUCTANCE		57.0000 UMBC	FD
ASB 1A 032689 COBALT 58	LT	5.0000 PCL	TE
ASB 1A 032689 COBALT 60		0.0000 PCML	SR
ASB 1A 032689 COBALT 60	LT	6.0000 PCL	TE
ASB 1A 032689 CHROMIUM	LT	4.0000 UGL	EE
ASB 1A 032689 CHROMIUM 51		0.0000 PCML	SR
ASB 1A 032689 CESIUM 134		0.0000 PCML	SR
ASB 1A 032689 CESIUM 134	LT	6.0000 PCL	TE
ASB 1A 032689 CESIUM 137		0.0000 PCML	SR
ASB 1A 032689 CESIUM 137	LT	5.0000 PCL	TE
ASB 1A 032689 COPPER		19.0000 UGL	EE
ASB 1A 032689 FLUORIDE	LT	100.0000 UGL	EE
ASB 1A 032689 IRON		33.0000 UGL	EE
ASB 1A 032689 IRON 59	LT	10.0000 PCL	TE
ASB 1A 032689 MERCURY	LT	0.2000 UGL	EE
ASB 1A 032689 IODINE 131		0.0000 PCML	SR
ASB 1A 032689 IODINE 131	LT	10.0000 PCL	TE
ASB 1A 032689 POTASSIUM	LT	500.0000 UGL	EE
ASB 1A 032689 POTASSIUM 40	LT	100.0000 PCL	TE
ASB 1A 032689 MAGNESIUM		332.0000 UGL	EE
ASB 1A 032689 MANGANESE		36.0000 UGL	EE
ASB 1A 032689 MANGANESE 54	LT	5.0000 PCL	TE
ASB 1A 032689 SODIUM		8600.0000 UGL	EE
ASB 1A 032689 NICKEL	LT	4.0000 UGL	EE
ASB 1A 032689 NITRATE AS NITROGEN		186.0000 UGL	EE
ASB 1A 032689 LEAD	LT	6.0000 UGL	EE
ASB 1A 032689 PH		5.2000 PH	FD
ASB 1A 032689 PHENOLS	LT	5.0000 UGL	EE
ASB 1A 032689 PLUTONIUM 238		0.3500 PCL	TE
ASB 1A 032689 PLUTONIUM 239/240		0.1500 PCL	TE
ASB 1A 032689 RADIUM 226	LT	100.0000 PCL	TE
ASB 1A 032689 RADIUM 226		1.2000 PCL	TE
ASB 1A 032689 RADIUM 226		1.2000 PCL	TE
ASB 1A 032689 RUTHENIUM 103		0.0000 PCML	SR
ASB 1A 032689 RUTHENIUM 103	LT	6.0000 PCL	TE
ASB 1A 032689 RUTHENIUM 106		0.0000 PCML	SR

Raw Data for ASB 1A

ASB 1A 032689 RUTHENIUM 106	LT	50.0000	PCL	TE
ASB 1A 032689 ANTIMONY 125		0.0000	PCML	SR
ASB 1A 032689 SELENIUM	LT	2.0000	UGL	EE
ASB 1A 032689 SILICA		3820.0000	UGL	EE
ASB 1A 032689 SULFATE		9100.0000	UGL	EE
ASB 1A 032689 STRONTIUM 89	LT	3.0000	PCL	TE
ASB 1A 032689 STRONTIUM 90	LT	1.0000	PCL	TE
ASB 1A 032689 TETRACHLOROETHYLENE		3.7500	UGL	EE
ASB 1A 032689 TETRACHLOROETHYLENE		2.3300	UGL	MA
ASB 1A 032689 TOTAL DISSOLVED SOLIDS		16000.0000	UGL	EE
ASB 1A 032689 THORIUM 228	LT	10.0000	PCL	TE
ASB 1A 032689 TOTAL ORGANIC CARBON		1100.0000	UGL	EE
ASB 1A 032689 TOTAL RADIUM		1.6200	PCL	RM
ASB 1A 032689 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 1A 032689 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB 1A 032689 TRICHLOROETHYLENE		1.3600	UGL	EE
ASB 1A 032689 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 1A 032689 TRITIUM		0.5100	PCML	RM
ASB 1A 032689 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 1A 032689 URANIUM 234	LT	1.0000	PCL	TE
ASB 1A 032689 URANIUM 235	LT	0.4000	PCL	TE
ASB 1A 032689 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 1A 032689 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 1A 032689 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 1A 032689 ZINC 65	LT	10.0000	PCL	TE
ASB 1A 032689 ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 1A 032689 ZIRCONIUM 95	LT	5.0000	PCL	TE

T-Test Data

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 81

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
1	ASB	BKG	12687	ALUMINUM	43.00
2	ASB	BKG	12987	ALUMINUM	35.33
3	ASB	BKG	20789	ALUMINUM	80.00
4	ASB	BKG	22488	ALUMINUM	59.00
5	ASB	BKG	31289	ALUMINUM	46.50
6	ASB	BKG	40687	ALUMINUM	42.50
7	ASB	BKG	51088	ALUMINUM	253.00
8	ASB	BKG	51188	ALUMINUM	314.00
9	ASB	BKG	61886	ALUMINUM	62.00
10	ASB	BKG	72286	ALUMINUM	37.50
11	ASB	BKG	72386	ALUMINUM	45.00
12	ASB	BKG	80487	ALUMINUM	61.00
13	ASB	BKG	81388	ALUMINUM	42.00
14	ASB	BKG	81488	ALUMINUM	43.00
15	ASB	BKG	102888	ALUMINUM	51.00
16	ASB	BKG	110286	ALUMINUM	33.00
17	ASB	BKG	110386	ALUMINUM	37.67
18	ASB	BKG	110888	ALUMINUM	44.00
19	ASB	BKG	121787	ALUMINUM	74.00
20	ASB	BKG	121987	ALUMINUM	79.00
21	ASB	1A	12087	BARIUM	12.00
22	ASB	1A	22585	BARIUM	12.00
23	ASB	1A	32689	BARIUM	6.00
24	ASB	1A	70788	BARIUM	8.00
25	ASB	1A	81584	BARIUM	8.00
26	ASB	1A	112884	BARIUM	8.00
27	ASB	BKG	12687	BARIUM	7.50
28	ASB	BKG	12987	BARIUM	3.33
29	ASB	BKG	20789	BARIUM	5.00
30	ASB	BKG	22488	BARIUM	8.00
31	ASB	BKG	31289	BARIUM	8.50
32	ASB	BKG	51088	BARIUM	7.00
33	ASB	BKG	51188	BARIUM	2.00
34	ASB	BKG	61886	BARIUM	2.00
35	ASB	BKG	72286	BARIUM	4.00
36	ASB	BKG	72386	BARIUM	7.00
37	ASB	BKG	80487	BARIUM	6.50
38	ASB	BKG	81388	BARIUM	2.00
39	ASB	BKG	81488	BARIUM	6.00
40	ASB	BKG	102888	BARIUM	4.00
41	ASB	BKG	110286	BARIUM	2.00
42	ASB	BKG	110386	BARIUM	7.00
43	ASB	BKG	110888	BARIUM	9.00
44	ASB	BKG	121787	BARIUM	14.00
45	ASB	BKG	121987	BARIUM	5.00
46	ASB	BKG	12687	CALCIUM	265.00
47	ASB	BKG	12987	CALCIUM	876.33
48	ASB	BKG	110286	CALCIUM	983.50
49	ASB	BKG	110386	CALCIUM	655.00
50	ASB	1A	12087	CHLORIDE	5800.00
51	ASB	1A	12688	CHLORIDE	5300.00
52	ASB	1A	21286	CHLORIDE	6900.00
53	ASB	1A	22585	CHLORIDE	7770.00
54	ASB	1A	32689	CHLORIDE	8100.00

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 82

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
55	ASB	1A	70788	CHLORIDE	5600.00
56	ASB	1A	81584	CHLORIDE	6450.00
57	ASB	1A	112884	CHLORIDE	5200.00
58	ASB	BKG	12687	CHLORIDE	2500.00
59	ASB	BKG	12987	CHLORIDE	2900.00
60	ASB	BKG	20789	CHLORIDE	2200.00
61	ASB	BKG	22488	CHLORIDE	2150.00
62	ASB	BKG	31289	CHLORIDE	2500.00
63	ASB	BKG	51088	CHLORIDE	2450.00
64	ASB	BKG	51188	CHLORIDE	2000.00
65	ASB	BKG	61886	CHLORIDE	4166.67
66	ASB	BKG	72286	CHLORIDE	2270.00
67	ASB	BKG	72386	CHLORIDE	2270.00
68	ASB	BKG	80487	CHLORIDE	2950.00
69	ASB	BKG	81388	CHLORIDE	2400.00
70	ASB	BKG	81488	CHLORIDE	2300.00
71	ASB	BKG	102888	CHLORIDE	2100.00
72	ASB	BKG	110286	CHLORIDE	3400.00
73	ASB	BKG	110386	CHLORIDE	2800.00
74	ASB	BKG	110888	CHLORIDE	2200.00
75	ASB	BKG	121987	CHLORIDE	2400.00
76	ASB	1A	12688	COPPER	8.00
77	ASB	1A	32689	COPPER	19.00
78	ASB	1A	81584	COPPER	2.00
79	ASB	1A	112884	COPPER	2.00
80	ASB	BKG	12687	COPPER	4.50
81	ASB	BKG	12987	COPPER	2.00
82	ASB	BKG	20789	COPPER	11.00
83	ASB	BKG	22488	COPPER	7.50
84	ASB	BKG	31289	COPPER	5.50
85	ASB	BKG	51088	COPPER	6.00
86	ASB	BKG	51188	COPPER	5.00
87	ASB	BKG	61886	COPPER	5.50
88	ASB	BKG	72286	COPPER	6.00
89	ASB	BKG	72386	COPPER	3.00
90	ASB	BKG	80487	COPPER	8.50
91	ASB	BKG	81388	COPPER	2.00
92	ASB	BKG	81488	COPPER	4.00
93	ASB	BKG	102888	COPPER	5.00
94	ASB	BKG	110286	COPPER	9.50
95	ASB	BKG	110386	COPPER	9.00
96	ASB	BKG	110888	COPPER	15.00
97	ASB	BKG	121787	COPPER	15.00
98	ASB	BKG	121987	COPPER	5.00
99	ASB	1A	12087	GROSS ALPHA	2.50
100	ASB	1A	12688	GROSS ALPHA	7.00
101	ASB	1A	21286	GROSS ALPHA	8.00
102	ASB	1A	22585	GROSS ALPHA	8.00
103	ASB	1A	32689	GROSS ALPHA	3.00
104	ASB	1A	70788	GROSS ALPHA	7.00
105	ASB	1A	80287	GROSS ALPHA	2.00
106	ASB	1A	80586	GROSS ALPHA	1.50
107	ASB	1A	81584	GROSS ALPHA	1.00
108	ASB	1A	112884	GROSS ALPHA	10.00

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 83

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
109	ASB	BKG	12687	GROSS ALPHA	7.000
110	ASB	BKG	12987	GROSS ALPHA	1.000
111	ASB	BKG	20789	GROSS ALPHA	1.500
112	ASB	BKG	22488	GROSS ALPHA	14.500
113	ASB	BKG	31289	GROSS ALPHA	23.750
114	ASB	BKG	40687	GROSS ALPHA	5.250
115	ASB	BKG	61886	GROSS ALPHA	5.750
116	ASB	BKG	72286	GROSS ALPHA	1.500
117	ASB	BKG	72386	GROSS ALPHA	7.000
118	ASB	BKG	80487	GROSS ALPHA	3.750
119	ASB	BKG	110286	GROSS ALPHA	1.500
120	ASB	BKG	110386	GROSS ALPHA	7.500
121	ASB	BKG	121787	GROSS ALPHA	22.000
122	ASB	BKG	121987	GROSS ALPHA	1.000
123	ASB	1A	12087	IRON	13.000
124	ASB	1A	12688	IRON	13.500
125	ASB	1A	21286	IRON	7.000
126	ASB	1A	22585	IRON	2.000
127	ASB	1A	32689	IRON	33.000
128	ASB	1A	70788	IRON	123.000
129	ASB	1A	80287	IRON	22.000
130	ASB	1A	81584	IRON	32.000
131	ASB	1A	112884	IRON	5.000
132	ASB	BKG	12687	IRON	19.500
133	ASB	BKG	12987	IRON	31.500
134	ASB	BKG	61886	IRON	39.000
135	ASB	BKG	72286	IRON	31.500
136	ASB	BKG	72386	IRON	31.333
137	ASB	BKG	80487	IRON	76.500
138	ASB	BKG	110286	IRON	33.500
139	ASB	BKG	110386	IRON	27.667
140	ASB	BKG	121787	IRON	33.000
141	ASB	BKG	121987	IRON	40.000
142	ASB	BKG	12687	LEAD	11.500
143	ASB	BKG	12987	LEAD	8.667
144	ASB	BKG	20789	LEAD	20.000
145	ASB	BKG	22488	LEAD	8.500
146	ASB	BKG	31289	LEAD	3.000
147	ASB	BKG	40687	LEAD	11.000
148	ASB	BKG	51088	LEAD	11.000
149	ASB	BKG	51188	LEAD	9.000
150	ASB	BKG	61886	LEAD	24.500
151	ASB	BKG	72286	LEAD	22.500
152	ASB	BKG	72386	LEAD	28.333
153	ASB	BKG	80487	LEAD	9.500
154	ASB	BKG	81388	LEAD	3.000
155	ASB	BKG	81488	LEAD	3.000
156	ASB	BKG	102888	LEAD	9.500
157	ASB	BKG	110286	LEAD	17.000
158	ASB	BKG	110386	LEAD	17.667
159	ASB	BKG	110888	LEAD	15.000
160	ASB	BKG	121787	LEAD	8.000
161	ASB	BKG	121987	LEAD	9.000
162	ASB	BKG	12687	MAGNESIUM	435.000

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 84

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
163	ASB	BKG	12987	MAGNESIUM	481.00
164	ASB	BKG	110286	MAGNESIUM	485.00
165	ASB	BKG	110386	MAGNESIUM	443.33
166	ASB	1A	12087	MANGANESE	92.00
167	ASB	1A	12688	MANGANESE	66.00
168	ASB	1A	21286	MANGANESE	34.00
169	ASB	1A	22585	MANGANESE	20.00
170	ASB	1A	32689	MANGANESE	36.00
171	ASB	1A	70788	MANGANESE	61.00
172	ASB	1A	80287	MANGANESE	130.00
173	ASB	1A	80586	MANGANESE	78.00
174	ASB	1A	81584	MANGANESE	120.00
175	ASB	1A	112884	MANGANESE	98.00
176	ASB	BKG	12687	MANGANESE	3.50
177	ASB	BKG	12987	MANGANESE	19.33
178	ASB	BKG	20789	MANGANESE	17.00
179	ASB	BKG	31289	MANGANESE	3.50
180	ASB	BKG	61886	MANGANESE	14.00
181	ASB	BKG	72286	MANGANESE	24.50
182	ASB	BKG	72386	MANGANESE	5.00
183	ASB	BKG	80487	MANGANESE	11.00
184	ASB	BKG	81388	MANGANESE	13.00
185	ASB	BKG	81488	MANGANESE	3.00
186	ASB	BKG	110286	MANGANESE	21.00
187	ASB	BKG	110386	MANGANESE	5.00
188	ASB	BKG	121787	MANGANESE	14.00
189	ASB	BKG	121987	MANGANESE	15.00
190	ASB	1A	12087	NITRATE AS NITROGEN	120.00
191	ASB	1A	22585	NITRATE AS NITROGEN	250.00
192	ASB	1A	32689	NITRATE AS NITROGEN	186.00
193	ASB	1A	70788	NITRATE AS NITROGEN	270.00
194	ASB	1A	81584	NITRATE AS NITROGEN	250.00
195	ASB	1A	112884	NITRATE AS NITROGEN	250.00
196	ASB	BKG	12687	NITRATE AS NITROGEN	2180.00
197	ASB	BKG	12987	NITRATE AS NITROGEN	1200.00
198	ASB	BKG	20789	NITRATE AS NITROGEN	998.00
199	ASB	BKG	22488	NITRATE AS NITROGEN	1525.00
200	ASB	BKG	31289	NITRATE AS NITROGEN	1990.00
201	ASB	BKG	40687	NITRATE AS NITROGEN	1670.00
202	ASB	BKG	51088	NITRATE AS NITROGEN	1560.00
203	ASB	BKG	51188	NITRATE AS NITROGEN	880.00
204	ASB	BKG	61886	NITRATE AS NITROGEN	1783.33
205	ASB	BKG	72286	NITRATE AS NITROGEN	1190.00
206	ASB	BKG	72386	NITRATE AS NITROGEN	2070.00
207	ASB	BKG	80487	NITRATE AS NITROGEN	1675.00
208	ASB	BKG	81388	NITRATE AS NITROGEN	1080.00
209	ASB	BKG	81488	NITRATE AS NITROGEN	1980.00
210	ASB	BKG	102888	NITRATE AS NITROGEN	1210.00
211	ASB	BKG	110286	NITRATE AS NITROGEN	1170.00
212	ASB	BKG	110386	NITRATE AS NITROGEN	2140.00
213	ASB	BKG	110888	NITRATE AS NITROGEN	2240.00
214	ASB	BKG	121787	NITRATE AS NITROGEN	3040.00
215	ASB	BKG	121987	NITRATE AS NITROGEN	1370.00
216	ASB	1A	12087	NONVOLATILE BETA	3.50

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 85

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
217	ASB	1A	12688	NONVOLATILE BETA	6.0000
218	ASB	1A	21286	NONVOLATILE BETA	4.0000
219	ASB	1A	22585	NONVOLATILE BETA	5.0000
220	ASB	1A	32689	NONVOLATILE BETA	3.0000
221	ASB	1A	70788	NONVOLATILE BETA	5.0000
222	ASB	1A	81584	NONVOLATILE BETA	1.5000
223	ASB	1A	112884	NONVOLATILE BETA	7.0000
224	ASB	BKG	12687	NONVOLATILE BETA	5.0000
225	ASB	BKG	12987	NONVOLATILE BETA	2.0000
226	ASB	BKG	20789	NONVOLATILE BETA	1.0000
227	ASB	BKG	22488	NONVOLATILE BETA	8.6667
228	ASB	BKG	31289	NONVOLATILE BETA	14.2500
229	ASB	BKG	40687	NONVOLATILE BETA	4.5000
230	ASB	BKG	61886	NONVOLATILE BETA	4.0000
231	ASB	BKG	72286	NONVOLATILE BETA	1.0000
232	ASB	BKG	72386	NONVOLATILE BETA	4.0000
233	ASB	BKG	80487	NONVOLATILE BETA	3.0000
234	ASB	BKG	110286	NONVOLATILE BETA	1.0000
235	ASB	BKG	110386	NONVOLATILE BETA	5.5000
236	ASB	BKG	121787	NONVOLATILE BETA	14.0000
237	ASB	BKG	121987	NONVOLATILE BETA	3.0000
238	ASB	1A	12087	PH	4.0000
239	ASB	1A	12688	PH	5.0000
240	ASB	1A	21286	PH	4.0000
241	ASB	1A	22585	PH	6.0000
242	ASB	1A	32384	PH	6.0000
243	ASB	1A	32689	PH	5.0000
244	ASB	1A	40588	PH	5.0000
245	ASB	1A	41184	PH	6.0000
246	ASB	1A	41886	PH	5.0000
247	ASB	1A	42385	PH	5.0000
248	ASB	1A	42587	PH	5.0000
249	ASB	1A	70788	PH	5.0000
250	ASB	1A	80287	PH	6.0000
251	ASB	1A	80586	PH	5.0000
252	ASB	1A	81385	PH	5.0000
253	ASB	1A	81584	PH	4.0000
254	ASB	1A	101286	PH	4.0000
255	ASB	1A	101887	PH	5.0000
256	ASB	1A	102688	PH	5.0000
257	ASB	1A	102885	PH	5.0000
258	ASB	1A	112884	PH	5.0000
259	ASB	BKG	12687	PH	5.0000
260	ASB	BKG	12987	PH	4.0000
261	ASB	BKG	20789	PH	5.0000
262	ASB	BKG	22488	PH	5.0000
263	ASB	BKG	31289	PH	4.0000
264	ASB	BKG	40687	PH	4.5000
265	ASB	BKG	51088	PH	4.0000
266	ASB	BKG	51188	PH	5.0000
267	ASB	BKG	61886	PH	5.0000
268	ASB	BKG	72286	PH	5.0000
269	ASB	BKG	72386	PH	5.0000
270	ASB	BKG	80487	PH	5.0000

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 86

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
271	ASB	BKG	81388	PH	5
272	ASB	BKG	81488	PH	4
273	ASB	BKG	90687	PH	5
274	ASB	BKG	90887	PH	5
275	ASB	BKG	102888	PH	5
276	ASB	BKG	110286	PH	4
277	ASB	BKG	110386	PH	4
278	ASB	BKG	110888	PH	5
279	ASB	BKG	121787	PH	4
280	ASB	BKG	121987	PH	5
281	ASB	1A	12087	SODIUM	2160
282	ASB	1A	12688	SODIUM	4060
283	ASB	1A	21286	SODIUM	2100
284	ASB	1A	22585	SODIUM	2250
285	ASB	1A	32689	SODIUM	8600
286	ASB	1A	42385	SODIUM	2050
287	ASB	1A	70788	SODIUM	4520
288	ASB	1A	80287	SODIUM	3220
289	ASB	1A	81385	SODIUM	3710
290	ASB	1A	81584	SODIUM	2180
291	ASB	1A	101286	SODIUM	2010
292	ASB	1A	102985	SODIUM	2290
293	ASB	1A	112884	SODIUM	2020
294	ASB	BKG	12687	SODIUM	4475
295	ASB	BKG	12987	SODIUM	1990
296	ASB	BKG	20789	SODIUM	1740
297	ASB	BKG	22488	SODIUM	2610
298	ASB	BKG	31289	SODIUM	2530
299	ASB	BKG	40687	SODIUM	2840
300	ASB	BKG	51088	SODIUM	3700
301	ASB	BKG	51188	SODIUM	1680
302	ASB	BKG	61886	SODIUM	2620
303	ASB	BKG	72286	SODIUM	1935
304	ASB	BKG	72386	SODIUM	4330
305	ASB	BKG	80487	SODIUM	2620
306	ASB	BKG	81388	SODIUM	1630
307	ASB	BKG	81488	SODIUM	3360
308	ASB	BKG	102888	SODIUM	1730
309	ASB	BKG	110286	SODIUM	1725
310	ASB	BKG	110386	SODIUM	3880
311	ASB	BKG	110888	SODIUM	3280
312	ASB	BKG	121787	SODIUM	3460
313	ASB	BKG	121987	SODIUM	1660
314	ASB	1A	12087	SPECIFIC CONDUCTANCE	53
315	ASB	1A	12688	SPECIFIC CONDUCTANCE	42
316	ASB	1A	21286	SPECIFIC CONDUCTANCE	41
317	ASB	1A	22585	SPECIFIC CONDUCTANCE	75
318	ASB	1A	32384	SPECIFIC CONDUCTANCE	47
319	ASB	1A	32689	SPECIFIC CONDUCTANCE	57
320	ASB	1A	40588	SPECIFIC CONDUCTANCE	57
321	ASB	1A	41184	SPECIFIC CONDUCTANCE	39
322	ASB	1A	41886	SPECIFIC CONDUCTANCE	42
323	ASB	1A	42385	SPECIFIC CONDUCTANCE	47
324	ASB	1A	42587	SPECIFIC CONDUCTANCE	47

T-Test Data for ASB 1A

SAS 13:38 Saturday, August 5, 1989 87

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
325	ASB	1A	70788	SPECIFIC CONDUCTANCE	47.0
326	ASB	1A	80287	SPECIFIC CONDUCTANCE	51.0
327	ASB	1A	80586	SPECIFIC CONDUCTANCE	37.0
328	ASB	1A	81385	SPECIFIC CONDUCTANCE	43.0
329	ASB	1A	81584	SPECIFIC CONDUCTANCE	43.0
330	ASB	1A	101286	SPECIFIC CONDUCTANCE	40.0
331	ASB	1A	101887	SPECIFIC CONDUCTANCE	54.0
332	ASB	1A	102688	SPECIFIC CONDUCTANCE	56.0
333	ASB	1A	102985	SPECIFIC CONDUCTANCE	35.0
334	ASB	1A	112884	SPECIFIC CONDUCTANCE	54.0
335	ASB	BKG	12687	SPECIFIC CONDUCTANCE	19.0
336	ASB	BKG	12987	SPECIFIC CONDUCTANCE	28.0
337	ASB	BKG	20788	SPECIFIC CONDUCTANCE	28.0
338	ASB	BKG	22488	SPECIFIC CONDUCTANCE	31.5
339	ASB	BKG	31289	SPECIFIC CONDUCTANCE	35.0
340	ASB	BKG	40687	SPECIFIC CONDUCTANCE	30.0
341	ASB	BKG	51088	SPECIFIC CONDUCTANCE	38.0
342	ASB	BKG	51188	SPECIFIC CONDUCTANCE	24.0
343	ASB	BKG	61886	SPECIFIC CONDUCTANCE	28.0
344	ASB	BKG	72286	SPECIFIC CONDUCTANCE	26.0
345	ASB	BKG	72386	SPECIFIC CONDUCTANCE	40.0
346	ASB	BKG	80487	SPECIFIC CONDUCTANCE	31.0
347	ASB	BKG	81388	SPECIFIC CONDUCTANCE	25.0
348	ASB	BKG	81488	SPECIFIC CONDUCTANCE	36.0
349	ASB	BKG	90687	SPECIFIC CONDUCTANCE	29.0
350	ASB	BKG	90887	SPECIFIC CONDUCTANCE	38.0
351	ASB	BKG	102888	SPECIFIC CONDUCTANCE	25.0
352	ASB	BKG	110286	SPECIFIC CONDUCTANCE	32.0
353	ASB	BKG	110386	SPECIFIC CONDUCTANCE	43.0
354	ASB	BKG	110888	SPECIFIC CONDUCTANCE	35.0
355	ASB	BKG	121787	SPECIFIC CONDUCTANCE	28.0
356	ASB	BKG	121987	SPECIFIC CONDUCTANCE	20.0
357	ASB	1A	12087	SULFATE	3950.0
358	ASB	1A	12688	SULFATE	10000.0
359	ASB	1A	21286	SULFATE	2500.0
360	ASB	1A	22585	SULFATE	2500.0
361	ASB	1A	32689	SULFATE	9100.0
362	ASB	1A	70788	SULFATE	5100.0
363	ASB	1A	81584	SULFATE	5000.0
364	ASB	1A	112884	SULFATE	2500.0
365	ASB	1A	12087	TETRACHLOROETHYLENE	0.5
366	ASB	1A	12688	TETRACHLOROETHYLENE	3.0
367	ASB	1A	32689	TETRACHLOROETHYLENE	4.0
368	ASB	1A	42587	TETRACHLOROETHYLENE	3.0
369	ASB	1A	70788	TETRACHLOROETHYLENE	2.0
370	ASB	1A	80287	TETRACHLOROETHYLENE	4.0
371	ASB	1A	101286	TETRACHLOROETHYLENE	2.5
372	ASB	1A	101887	TETRACHLOROETHYLENE	3.0
373	ASB	1A	12087	TOTAL DISSOLVED SOLIDS	43000.0
374	ASB	1A	32689	TOTAL DISSOLVED SOLIDS	16000.0
375	ASB	1A	81584	TOTAL DISSOLVED SOLIDS	20000.0
376	ASB	1A	112884	TOTAL DISSOLVED SOLIDS	40000.0
377	ASB	BKG	12687	TOTAL DISSOLVED SOLIDS	22000.0
378	ASB	BKG	12987	TOTAL DISSOLVED SOLIDS	32000.0

T-Test Data for ASB 1A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
379	ASB	BKG	20789	TOTAL DISSOLVED SOLIDS	2500.00
380	ASB	BKG	22488	TOTAL DISSOLVED SOLIDS	24000.00
381	ASB	BKG	31289	TOTAL DISSOLVED SOLIDS	23000.00
382	ASB	BKG	40687	TOTAL DISSOLVED SOLIDS	28400.00
383	ASB	BKG	51088	TOTAL DISSOLVED SOLIDS	40000.00
384	ASB	BKG	51188	TOTAL DISSOLVED SOLIDS	26000.00
385	ASB	BKG	80487	TOTAL DISSOLVED SOLIDS	64000.00
386	ASB	BKG	81388	TOTAL DISSOLVED SOLIDS	28000.00
387	ASB	BKG	81488	TOTAL DISSOLVED SOLIDS	31000.00
388	ASB	BKG	102888	TOTAL DISSOLVED SOLIDS	112000.00
389	ASB	BKG	110888	TOTAL DISSOLVED SOLIDS	59000.00
390	ASB	BKG	121787	TOTAL DISSOLVED SOLIDS	9000.00
391	ASB	BKG	121987	TOTAL DISSOLVED SOLIDS	52000.00
392	ASB	1A	12087	TOTAL ORGANIC HALOGENS	5.00
393	ASB	1A	12688	TOTAL ORGANIC HALOGENS	2.50
394	ASB	1A	21286	TOTAL ORGANIC HALOGENS	6.00
395	ASB	1A	22585	TOTAL ORGANIC HALOGENS	2.50
396	ASB	1A	32689	TOTAL ORGANIC HALOGENS	2.50
397	ASB	1A	42385	TOTAL ORGANIC HALOGENS	8.00
398	ASB	1A	70788	TOTAL ORGANIC HALOGENS	22.00
399	ASB	1A	80287	TOTAL ORGANIC HALOGENS	8.00
400	ASB	1A	80586	TOTAL ORGANIC HALOGENS	7.00
401	ASB	1A	81385	TOTAL ORGANIC HALOGENS	13.00
402	ASB	1A	101286	TOTAL ORGANIC HALOGENS	5.00
403	ASB	1A	102985	TOTAL ORGANIC HALOGENS	11.00
404	ASB	BKG	12687	TOTAL PHOSPHATES	30.00
405	ASB	BKG	12987	TOTAL PHOSPHATES	40.00
406	ASB	BKG	20789	TOTAL PHOSPHATES	10.00
407	ASB	BKG	31289	TOTAL PHOSPHATES	13.67
408	ASB	BKG	40687	TOTAL PHOSPHATES	10.00
409	ASB	BKG	51088	TOTAL PHOSPHATES	30.00
410	ASB	BKG	51188	TOTAL PHOSPHATES	40.00
411	ASB	BKG	61886	TOTAL PHOSPHATES	9.50
412	ASB	BKG	72286	TOTAL PHOSPHATES	39.00
413	ASB	BKG	72386	TOTAL PHOSPHATES	42.00
414	ASB	BKG	80487	TOTAL PHOSPHATES	15.00
415	ASB	BKG	81388	TOTAL PHOSPHATES	10.00
416	ASB	BKG	81488	TOTAL PHOSPHATES	10.00
417	ASB	BKG	102888	TOTAL PHOSPHATES	10.00
418	ASB	BKG	110286	TOTAL PHOSPHATES	39.50
419	ASB	BKG	110386	TOTAL PHOSPHATES	37.00
420	ASB	BKG	110888	TOTAL PHOSPHATES	60.00
421	ASB	BKG	121787	TOTAL PHOSPHATES	70.00
422	ASB	BKG	121987	TOTAL PHOSPHATES	100.00
423	ASB	1A	12087	TOTAL RADIUM	3.00
424	ASB	1A	12688	TOTAL RADIUM	3.00
425	ASB	1A	21286	TOTAL RADIUM	4.00
426	ASB	1A	22585	TOTAL RADIUM	2.00
427	ASB	1A	32689	TOTAL RADIUM	2.00
428	ASB	1A	70788	TOTAL RADIUM	2.00
429	ASB	1A	80287	TOTAL RADIUM	5.00
430	ASB	1A	80586	TOTAL RADIUM	3.00
431	ASB	1A	81584	TOTAL RADIUM	4.00
432	ASB	1A	112884	TOTAL RADIUM	2.00

T-Test Data for ASB 1A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
433	ASB	BKG	12687	TOTAL RADIUM	7.0000
434	ASB	BKG	12987	TOTAL RADIUM	0.5000
435	ASB	BKG	20789	TOTAL RADIUM	1.0000
436	ASB	BKG	22488	TOTAL RADIUM	4.8333
437	ASB	BKG	31289	TOTAL RADIUM	12.0000
438	ASB	BKG	40687	TOTAL RADIUM	4.2500
439	ASB	BKG	51088	TOTAL RADIUM	6.0000
440	ASB	BKG	51188	TOTAL RADIUM	0.5000
441	ASB	BKG	61888	TOTAL RADIUM	4.5000
442	ASB	BKG	72286	TOTAL RADIUM	1.0000
443	ASB	BKG	72386	TOTAL RADIUM	8.0000
444	ASB	BKG	80487	TOTAL RADIUM	3.5000
445	ASB	BKG	81388	TOTAL RADIUM	1.0000
446	ASB	BKG	81488	TOTAL RADIUM	7.0000
447	ASB	BKG	102888	TOTAL RADIUM	0.5000
448	ASB	BKG	110286	TOTAL RADIUM	0.5000
449	ASB	BKG	110386	TOTAL RADIUM	7.5000
450	ASB	BKG	110888	TOTAL RADIUM	6.0000
451	ASB	BKG	121787	TOTAL RADIUM	6.0000
452	ASB	BKG	121987	TOTAL RADIUM	0.0000
453	ASB	BKG	40687	TURBIDITY	0.0000
454	ASB	BKG	61888	TURBIDITY	0.6667
455	ASB	BKG	80487	TURBIDITY	0.5000
456	ASB	BKG	121787	TURBIDITY	0.0000
457	ASB	BKG	121987	TURBIDITY	0.0000
458	ASB	1A	12087	ZINC	15.0000
459	ASB	1A	41888	ZINC	1.0000
460	ASB	1A	81584	ZINC	55.0000
461	ASB	1A	112884	ZINC	11.0000
462	ASB	BKG	12687	ZINC	7.0000
463	ASB	BKG	12987	ZINC	8.6667
464	ASB	BKG	20789	ZINC	17.0000
465	ASB	BKG	31289	ZINC	11.0000
466	ASB	BKG	51088	ZINC	6.0000
467	ASB	BKG	51188	ZINC	11.0000
468	ASB	BKG	61888	ZINC	9.7500
469	ASB	BKG	72286	ZINC	15.5000
470	ASB	BKG	72386	ZINC	2.0000
471	ASB	BKG	80487	ZINC	48.5000
472	ASB	BKG	81388	ZINC	49.0000
473	ASB	BKG	81488	ZINC	24.0000
474	ASB	BKG	102888	ZINC	44.0000
475	ASB	BKG	110286	ZINC	8.0000
476	ASB	BKG	110386	ZINC	11.3333
477	ASB	BKG	110888	ZINC	12.0000
478	ASB	BKG	121787	ZINC	54.0000
479	ASB	BKG	121987	ZINC	17.0000

Statistical Comparison Results

TTEST PROCEDURE

***** TESTNAME=BARIIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	6	9.00000000	2.44948974	1.00000000	6.00000000	12.00000000
BKG	19	5.78070175	3.06365222	0.70285002	2.00000000	14.00000000

Variances	T	Method	DF	Prob> T
Unequal	2.6338	Satterthwaite	10.5	0.0242
		Cochran	.	0.0370
Equal	2.3374		23.0	0.0285

For H0: Variances are equal, F' = 1.56 DF = (18,5) Prob>F' = 0.6545

***** TESTNAME=CHLORIDE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	8	6390.000000	1112.821382	393.4417728	5200.000000	8100.000000
BKG	18	2553.148148	535.242260	126.1578107	2000.000000	4166.666667

Variances	T	Method	DF	Prob> T
Unequal	9.2863	Satterthwaite	8.5	0.0001
		Cochran	.	0.0001
Equal	12.0222		24.0	0.0000

For H0: Variances are equal, F' = 4.32 DF = (7,17) Prob>F' = 0.0129

***** TESTNAME=COPPER *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	4	7.75000000	8.01560977	4.00780489	2.00000000	19.00000000
BKG	19	6.78947368	3.76871548	0.86460263	2.00000000	15.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.2343	Satterthwaite	3.3	0.8288
		Cochran	.	0.8293
Equal	0.3779		21.0	0.7093

For H0: Variances are equal, F' = 4.52 DF = (3,18) Prob>F' = 0.0313

***** TESTNAME=GROSS ALPHA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	10	5.00000000	3.30823887	1.04615699	1.00000000	10.00000000
BKG	14	7.35714286	7.53562965	2.01398174	1.00000000	23.75000000

Variances	T	Method	DF	Prob> T
Unequal	-1.0386	Satterthwaite	19.0	0.3120
		Cochran	.	0.3197
Equal	-0.9231		22.0	0.3659

For H0: Variances are equal, F' = 5.19 DF = (13,9) Prob>F' = 0.0183

***** TESTNAME=IRON *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	9	27.83333333	37.38816658	12.46272219	2.00000000	123.0000000
BKG	10	36.35000000	15.21420105	4.81115281	19.50000000	76.5000000

Variances	T	Method	DF	Prob> T
Unequal	-0.6375	Satterthwaite	10.4	0.5377
		Cochran	.	0.5413
Equal	-0.6635		17.0	0.5159

For H0: Variances are equal, F' = 6.04 DF = (8,9) Prob>F' = 0.0143

***** TESTNAME=MANGANESE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	10	73.50000000	37.05626353	11.71821943	20.00000000	130.0000000
BKG	14	12.05952381	7.11703360	1.90210724	3.00000000	24.5000000

Variances	T	Method	DF	Prob> T
Unequal	5.1754	Satterthwaite	9.5	0.0005
		Cochran	.	0.0006
Equal	6.1006		22.0	0.0000

For H0: Variances are equal, F' = 27.11 DF = (9,13) Prob>F' = 0.0000

***** TESTNAME=NITRATE AS NITROGEN *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	6	221.0000000	57.1839138	23.3452351	120.0000000	270.0000000
BKG	20	1647.566667	538.2189613	120.3494184	880.0000000	3040.000000

Variances	T	Method	DF	Prob> T
Unequal	-11.6366	Satterthwaite	20.3	0.0001
		Cochran	.	0.0001
Equal	-6.3903		24.0	0.0000

For H0: Variances are equal, F' = 88.59 DF = (19,5) Prob>F' = 0.0000

***** TESTNAME=NONVOLATILE BETA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	8	4.37500000	1.74744712	0.61781585	1.50000000	7.00000000
BKG	14	5.06547619	4.36284068	1.16601822	1.00000000	14.25000000

Variances	T	Method	DF	Prob> T
Unequal	-0.5233	Satterthwaite	18.6	0.6070
		Cochran	.	0.8112
Equal	-0.4249		20.0	0.6754

For H0: Variances are equal, F' = 6.23 DF = (13,7) Prob>F' = 0.0217

***** TESTNAME=PH *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	21	5.00000000	0.63245553	0.13801311	4.00000000	6.00000000
BKG	22	4.65909091	0.47274184	0.10078880	4.00000000	5.00000000

Variances	T	Method	DF	Prob> T
Unequal	1.9948	Satterthwaite	37.0	0.0535
		Cochran	.	0.0596
Equal	2.0083		41.0	0.0512

For H0: Variances are equal, F' = 1.79 DF = (20,21) Prob>F' = 0.1939

***** TESTNAME=SODIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	13	3166.923077	1850.267479	513.1718668	2010.000000	8600.000000
BKG	20	2689.750000	939.937673	210.1764531	1630.000000	4475.000000

Variances	T	Method	DF	Prob> T
Unequal	0.8605	Satterthwaite	16.1	0.4022
		Cochran	.	0.4035
Equal	0.9803		31.0	0.3343

For H0: Variances are equal, F' = 3.87 DF = (12,19) Prob>F' = 0.0085

***** TESTNAME=SPECIFIC CONDUCTIANCE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	21	47.95238095	9.14043867	1.99460724	35.00000000	75.00000000
BKG	22	30.34090909	6.32340016	1.34815344	19.00000000	43.00000000

Variances	T	Method	DF	Prob> T
Unequal	7.3153	Satterthwaite	35.4	0.0001
		Cochran	.	0.0001
Equal	7.3770		41.0	0.0000

For H0: Variances are equal, F' = 2.09 DF = (20,21) Prob>F' = 0.1014

***** TESTNAME=TOTAL DISSOLVED SOLIDS *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	4	29750.00000	13720.42273	6860.211367	16000.00000	43000.0000
BKG	15	36860.00000	28689.90713	6891.304390	2500.00000	112000.0000

Variances	T	Method	DF	Prob> T
Unequal	-0.7312	Satterthwaite	9.9	0.4816
		Cochran	.	0.4985
Equal	-0.5075		17.0	0.6183

For H0: Variances are equal, F' = 3.78 DF = (14,3) Prob>F' = 0.3000

***** TESTNAME-TOTAL RADIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	10	3.00000000	1.05409255	0.33333333	2.00000000	5.00000000
BKG	20	4.12916667	3.43490798	0.76806877	0.00000000	12.00000000

Variances	T	Method	DF	Prob> T
Unequal	-1.3486	Satterthwaite	25.0	0.1896
		Cochran	.	0.1962
Equal	-1.0081		28.0	0.3220

For H0: Variances are equal, F' = 10.62 DF = (19,9) Prob>F' = 0.0010

***** TESTNAME-ZINC *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
1A	4	20.50000000	23.74166520	11.87083260	1.00000000	55.00000000
BKG	18	19.65277778	16.61846584	3.91700896	2.00000000	54.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.0578	Satterthwaite	3.7	0.9485
		Cochran	.	0.9489
Equal	0.0858		20.0	0.9325

For H0: Variances are equal, F' = 2.04 DF = (3,17) Prob>F' = 0.2925

Groundwater Monitoring Well

ASB 2A

Raw Data

Raw Data for ASB 2A

ASB	2A	032384	SPECIFIC CONDUCTANCE		49.0000	UMHC	FD
ASB	2A	032384	PH		5.4000	PH	FD
ASB	2A	041184	SPECIFIC CONDUCTANCE		44.0000	UMHC	FD
ASB	2A	041184	PH		5.5000	PH	FD
ASB	2A	081484	SILVER	LT	2.0000	UGL	EE
ASB	2A	081484	GROSS ALPHA		4.0000	PCL	CP
ASB	2A	081484	ARSENIC	LT	1.0000	UGL	EE
ASB	2A	081484	BARIUM		18.0000	UGL	EE
ASB	2A	081484	BERYLLIUM	LT	2.0000	UGL	EE
ASB	2A	081484	NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB	2A	081484	CADMIUM	LT	2.0000	UGL	EE
ASB	2A	081484	CHLORIDE		8060.0000	UGL	EE
ASB	2A	081484	CHLORIDE		7520.0000	UGL	EE
ASB	2A	081484	COLOR		0.0000	APC	EE
ASB	2A	081484	COLOR		0.0000	APC	EE
ASB	2A	081484	SPECIFIC CONDUCTANCE		58.0000	UMHC	FD
ASB	2A	081484	SPECIFIC CONDUCTANCE		39.6000	UMHC	EE
ASB	2A	081484	CHROMIUM	LT	4.0000	UGL	EE
ASB	2A	081484	COPPER	LT	4.0000	UGL	EE
ASB	2A	081484	CYANIDE	LT	5.0000	UGL	EE
ASB	2A	081484	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB	2A	081484	FLUORIDE		130.0000	UGL	EE
ASB	2A	081484	IRON		36.0000	UGL	EE
ASB	2A	081484	GC SCAN	LT	40.0000	UGL	EE
ASB	2A	081484	GC SCAN	LT	40.0000	UGL	EE
ASB	2A	081484	MERCURY	LT	0.2000	UGL	EE
ASB	2A	081484	MANGANESE		74.0000	UGL	EE
ASB	2A	081484	SODIUM		2930.0000	UGL	EE
ASB	2A	081484	NICKEL	LT	4.0000	UGL	EE
ASB	2A	081484	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB	2A	081484	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB	2A	081484	ODOR		0.0000	TBON	EE
ASB	2A	081484	LEAD		9.0000	UGL	EE
ASB	2A	081484	PH		4.9000	PH	FD
ASB	2A	081484	PHENOLS		5.0000	UGL	EE
ASB	2A	081484	SELENIUM	LT	1.0000	UGL	EE
ASB	2A	081484	SILVEX	LT	2.0000	UGL	EE
ASB	2A	081484	SULFATE		11000.0000	UGL	EE
ASB	2A	081484	SULFIDE	LT	1000.0000	UGL	EE
ASB	2A	081484	SURFACTANTS	LT	10.0000	UGL	EE
ASB	2A	081484	TOTAL DISSOLVED SOLIDS		30000.0000	UGL	EE
ASB	2A	081484	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB	2A	081484	TOTAL RADIUM		5.0000	PCL	CP
ASB	2A	081484	TOTAL ORGANIC HALOGENS		9.0000	UGL	MM
ASB	2A	081484	TURBIDITY	LT	1.0000	TU	EE
ASB	2A	081484	TURBIDITY	LT	1.0000	TU	EE
ASB	2A	081484	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB	2A	081484	ZINC		11.0000	UGL	EE
ASB	2A	102284	SILVER	LT	2.0000	UGL	EE
ASB	2A	102284	GROSS ALPHA		5.0000	PCL	CP
ASB	2A	102284	ARSENIC	LT	1.0000	UGL	EE
ASB	2A	102284	BARIUM		18.0000	UGL	EE
ASB	2A	102284	BERYLLIUM	LT	2.0000	UGL	EE
ASB	2A	102284	NONVOLATILE BETA		4.0000	PCL	CP
ASB	2A	102284	CADMIUM	LT	2.0000	UGL	EE
ASB	2A	102284	CHLORIDE		6500.0000	UGL	EE
ASB	2A	102284	COLOR		0.0000	APC	EE
ASB	2A	102284	SPECIFIC CONDUCTANCE		80.0000	UMHC	FD
ASB	2A	102284	CORROSIVITY		0.0043	MMY	EE
ASB	2A	102284	CHROMIUM	LT	4.0000	UGL	EE
ASB	2A	102284	COPPER		8.0000	UGL	EE
ASB	2A	102284	CYANIDE	LT	5.0000	UGL	EE
ASB	2A	102284	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB	2A	102284	ENDRIN	LT	0.0400	UGL	EE

Raw Data for ASB 2A

ASB 2A 102284 FLUORIDE	LT	100.0000	UGL	EE
ASB 2A 102284 IRON		38.0000	UGL	EE
ASB 2A 102284 GC SCAN	LT	40.0000	UGL	EE
ASB 2A 102284 MERCURY	LT	0.2000	UGL	EE
ASB 2A 102284 LINDANE	LT	1.0000	UGL	EE
ASB 2A 102284 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 2A 102284 MANGANESE		68.0000	UGL	EE
ASB 2A 102284 SODIUM		3100.0000	UGL	EE
ASB 2A 102284 NICKEL	LT	4.0000	UGL	EE
ASB 2A 102284 NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 2A 102284 NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 2A 102284 ODOR		0.0000	TRON	EE
ASB 2A 102284 LEAD		26.0000	UGL	EE
ASB 2A 102284 PH		4.8000	PH	FD
ASB 2A 102284 PHENOLS	LT	2.0000	UGL	EE
ASB 2A 102284 SELENIUM	LT	1.0000	UGL	EE
ASB 2A 102284 SILVEK	LT	2.0000	UGL	EE
ASB 2A 102284 SULFATE	LT	5000.0000	UGL	EE
ASB 2A 102284 SULFIDE	LT	1000.0000	UGL	EE
ASB 2A 102284 SURFACTANTS		10.0000	UGL	EE
ASB 2A 102284 TOTAL DISSOLVED SOLIDS		22000.0000	UGL	EE
ASB 2A 102284 TOTAL ORGANIC CARBON		10700.0000	UGL	EE
ASB 2A 102284 TOTAL ORGANIC CARBON		12200.0000	UGL	EE
ASB 2A 102284 TOTAL RADIUM		4.0000	PCL	CP
ASB 2A 102284 TOTAL ORGANIC HALOGENS		8.0000	UGL	MM
ASB 2A 102284 TURBIDITY		0.1100	TU	EE
ASB 2A 102284 TOXAPHENE	LT	1.0000	UGL	EE
ASB 2A 102284 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 2A 102284 ZINC		129.0000	UGL	EE
ASB 2A 022585 SILVER	LT	2.0000	UGL	EE
ASB 2A 022585 SILVER	LT	2.0000	UGL	EE
ASB 2A 022585 GROSS ALPHA		9.0000	PCL	CP
ASB 2A 022585 ARSENIC	LT	1.0000	UGL	EE
ASB 2A 022585 ARSENIC	LT	1.0000	UGL	EE
ASB 2A 022585 BARIUM		17.0000	UGL	EE
ASB 2A 022585 BARIUM		17.0000	UGL	EE
ASB 2A 022585 NONVOLATILE BETA		5.0000	PCL	CP
ASB 2A 022585 CADMIUM	LT	2.0000	UGL	EE
ASB 2A 022585 CADMIUM	LT	2.0000	UGL	EE
ASB 2A 022585 CHLORIDE		6310.0000	UGL	EE
ASB 2A 022585 CHLORIDE		6310.0000	UGL	EE
ASB 2A 022585 SPECIFIC CONDUCTANCE		69.0000	UMHC	FD
ASB 2A 022585 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 022585 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 022585 ENDRIN	LT	0.0400	UGL	EE
ASB 2A 022585 ENDRIN	LT	0.0400	UGL	EE
ASB 2A 022585 FLUORIDE	LT	100.0000	UGL	EE
ASB 2A 022585 IRON		68.0000	UGL	EE
ASB 2A 022585 IRON	LT	4.0000	UGL	EE
ASB 2A 022585 MERCURY		0.2900	UGL	EE
ASB 2A 022585 LINDANE	LT	1.0000	UGL	EE
ASB 2A 022585 LINDANE	LT	1.0000	UGL	EE
ASB 2A 022585 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 2A 022585 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 2A 022585 MANGANESE		46.0000	UGL	EE
ASB 2A 022585 MANGANESE		45.0000	UGL	EE
ASB 2A 022585 SODIUM		3260.0000	UGL	EE
ASB 2A 022585 SODIUM		3450.0000	UGL	EE
ASB 2A 022585 NITRATE AS NITROGEN		600.0000	UGL	EE
ASB 2A 022585 LEAD		14.0000	UGL	EE
ASB 2A 022585 LEAD	LT	4.0000	UGL	EE
ASB 2A 022585 PH		4.6000	PH	FD
ASB 2A 022585 PHENOLS	LT	2.0000	UGL	EE
ASB 2A 022585 SELENIUM	LT	1.0000	UGL	EE

Raw Data for ASB 2A

ASB 2A 022585 SELENIUM	LT	1.0000	UGL	EE
ASB 2A 022585 SILVEX	LT	2.0000	UGL	EE
ASB 2A 022585 SULFATE	LT	5000.0000	UGL	EE
ASB 2A 022585 TOTAL ORGANIC CARBON		354.0000	UGL	EE
ASB 2A 022585 TOTAL RADIUM		5.0000	PCL	CP
ASB 2A 022585 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 2A 022585 TURBIDITY		2.2000	TU	EE
ASB 2A 022585 TOXAPHENE	LT	1.0000	UGL	EE
ASB 2A 022585 TOXAPHENE	LT	1.0000	UGL	EE
ASB 2A 022585 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 2A 042385 SPECIFIC CONDUCTANCE		48.0000	UMHC	FD
ASB 2A 042385 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 042385 MERCURY	LT	0.2000	UGL	EE
ASB 2A 042385 SODIUM		3136.0000	UGL	EE
ASB 2A 042385 LEAD		11.0000	UGL	EE
ASB 2A 042385 PH		5.1000	PH	FD
ASB 2A 042385 TOTAL ORGANIC CARBON		485.0000	UGL	EE
ASB 2A 042385 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 2A 081385 SPECIFIC CONDUCTANCE		50.0000	UMHC	FD
ASB 2A 081385 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 081385 MERCURY	LT	0.2000	UGL	EE
ASB 2A 081385 SODIUM		2470.0000	UGL	EE
ASB 2A 081385 LEAD	LT	10.0000	UGL	EE
ASB 2A 081385 PH		4.9000	PH	FD
ASB 2A 081385 TOTAL ORGANIC CARBON		2080.0000	UGL	EE
ASB 2A 081385 TOTAL ORGANIC HALOGENS		13.0000	UGL	EE
ASB 2A 102985 SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB 2A 102985 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 102985 MERCURY	LT	0.2000	UGL	EE
ASB 2A 102985 SODIUM		4000.0000	UGL	EE
ASB 2A 102985 LEAD		6.0000	UGL	EE
ASB 2A 102985 PH		4.3000	PH	FD
ASB 2A 102985 TOTAL ORGANIC CARBON		300.0000	UGL	EE
ASB 2A 102985 TOTAL ORGANIC HALOGENS		10.0000	UGL	EE
ASB 2A 102985 TOTAL ORGANIC HALOGENS		9.0000	UGL	EE
ASB 2A 021286 GROSS ALPHA		20.0000	PCL	CP
ASB 2A 021286 NONVOLATILE BETA		20.0000	PCL	CP
ASB 2A 021286 CHLORIDE		6400.0000	UGL	EE
ASB 2A 021286 SPECIFIC CONDUCTANCE		39.0000	UMHC	FD
ASB 2A 021286 IRON		34.0000	UGL	EE
ASB 2A 021286 MERCURY	LT	0.2000	UGL	EE
ASB 2A 021286 MANGANESE		48.0000	UGL	EE
ASB 2A 021286 SODIUM		2790.0000	UGL	EE
ASB 2A 021286 PH		4.1000	PH	FD
ASB 2A 021286 PHENOLS	LT	2.0000	UGL	EE
ASB 2A 021286 SULFATE		8000.0000	UGL	EE
ASB 2A 021286 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 2A 021286 TOTAL RADIUM		6.0000	PCL	CP
ASB 2A 021286 TOTAL ORGANIC HALOGENS		6.0000	UGL	EE
ASB 2A 041886 SPECIFIC CONDUCTANCE		42.0000	UMHC	FD
ASB 2A 041886 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 041886 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 041886 NICKEL	LT	4.0000	UGL	EE
ASB 2A 041886 NICKEL	LT	4.0000	UGL	EE
ASB 2A 041886 LEAD		14.0000	UGL	EE
ASB 2A 041886 LEAD		16.0000	UGL	EE
ASB 2A 041886 PH		4.7000	PH	FD
ASB 2A 041886 ZINC	LT	2.0000	UGL	EE
ASB 2A 041886 ZINC	LT	2.0000	UGL	EE
ASB 2A 080586 GROSS ALPHA		7.4000	PCL	RM
ASB 2A 080586 GROSS ALPHA		4.4000	PCL	RM
ASB 2A 080586 SPECIFIC CONDUCTANCE		56.0000	UMHC	FD
ASB 2A 080586 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 080586 CHROMIUM	LT	4.0000	UGL	EE

Raw Data for ASB 2A

ASB 2A 080586 MANGANESE		53.0000 UGL	EE
ASB 2A 080586 MANGANESE		50.0000 UGL	EE
ASB 2A 080586 LEAD		20.0000 UGL	EE
ASB 2A 080586 LEAD		19.0000 UGL	EE
ASB 2A 080586 PH		4.6000 PH	FD
ASB 2A 080586 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 2A 080586 TOTAL RADIUM		4.3000 PCL	RM
ASB 2A 080586 TOTAL RADIUM		5.2000 PCL	RM
ASB 2A 080586 TOTAL ORGANIC HALOGENS		5.0000 UGL	EE
ASB 2A 080586 TOTAL ORGANIC HALOGENS		6.0000 UGL	EE
ASB 2A 101286 BROMODICHLOROMETHANE	LT	5.0000 UGL	EE
ASB 2A 101286 TRICHLOROFLUOROMETHANE	LT	5.0000 UGL	EE
ASB 2A 101286 CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB 2A 101286 BROMOFORM	LT	10.0000 UGL	EE
ASB 2A 101286 CHLOROFORM	LT	5.0000 UGL	EE
ASB 2A 101286 BROMOMETHANE	LT	10.0000 UGL	EE
ASB 2A 101286 CHLOROMETHANE	LT	10.0000 UGL	EE
ASB 2A 101286 CHLOROBENZENE	LT	5.0000 UGL	EE
ASB 2A 101286 SPECIFIC CONDUCTANCE		52.0000 UMHC	FD
ASB 2A 101286 CHROMIUM	LT	4.0000 UGL	EE
ASB 2A 101286 CHLOROETHENE	LT	10.0000 UGL	EE
ASB 2A 101286 CHLOROETHANE	LT	10.0000 UGL	EE
ASB 2A 101286 BENZENE	LT	5.0000 UGL	EE
ASB 2A 101286 DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB 2A 101286 ETHYLBENZENE	LT	5.0000 UGL	EE
ASB 2A 101286 TOLUENE-D8		101.0000 PER	EE
ASB 2A 101286 TOLUENE	LT	5.0000 UGL	EE
ASB 2A 101286 SODIUM		2790.0000 UGL	EE
ASB 2A 101286 P-BROMOFLUOROBENZENE		99.0000 PER	EE
ASB 2A 101286 PH		4.5000 PH	FD
ASB 2A 101286 1,1,2,2-TETRACHLOROETHANE	LT	10.0000 UGL	EE
ASB 2A 101286 TETRACHLOROETHYLENE	LT	5.0000 UGL	EE
ASB 2A 101286 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB 2A 101286 TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB 2A 101286 TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB 2A 101286 1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB 2A 101286 1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB 2A 101286 1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB 2A 101286 1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB 2A 101286 1,2-DICHLOROETHANE-D4		94.0000 PER	EE
ASB 2A 101286 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 101286 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB 2A 101286 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB 2A 101286 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB 2A 101286 2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB 2A 012087 SILVER	LT	2.0000 UGL	EE
ASB 2A 012087 GROSS ALPHA		3.5000 PCL	RM
ASB 2A 012087 ARSENIC	LT	2.0000 UGL	EE
ASB 2A 012087 BARIUM		14.0000 UGL	EE
ASB 2A 012087 NONVOLATILE BETA		2.8000 PCL	RM
ASB 2A 012087 CALCIUM		4150.0000 UGL	EE
ASB 2A 012087 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 012087 CADMIUM		2.0000 UGL	EE
ASB 2A 012087 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 012087 CHLORIDE		6200.0000 UGL	EE
ASB 2A 012087 SPECIFIC CONDUCTANCE		61.0000 UMHC	FD
ASB 2A 012087 CHROMIUM	LT	4.0000 UGL	EE
ASB 2A 012087 COPPER		8.0000 UGL	EE
ASB 2A 012087 FLUORIDE		130.0000 UGL	EE
ASB 2A 012087 IRON		44.0000 UGL	EE
ASB 2A 012087 MERCURY	LT	0.2000 UGL	EE
ASB 2A 012087 POTASSIUM		410.0000 UGL	EE
ASB 2A 012087 MAGNESIUM		727.0000 UGL	EE
ASB 2A 012087 MANGANESE		42.0000 UGL	EE

Raw Data for ASB 2A

ASB 2A 012087 SODIUM		2790.0000 UGL	EE
ASB 2A 012087 NICKEL	LT	4.0000 UGL	EE
ASB 2A 012087 NITRATE AS NITROGEN		170.0000 UGL	EE
ASB 2A 012087 LEAD	LT	6.0000 UGL	EE
ASB 2A 012087 PH		4.1000 PH	FD
ASB 2A 012087 PHENOLS	LT	2.0000 UGL	EE
ASB 2A 012087 SELENIUM	LT	2.0000 UGL	EE
ASB 2A 012087 SILICA		1550.0000 UGL	EE
ASB 2A 012087 SULFATE		6000.0000 UGL	EE
ASB 2A 012087 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 012087 TOTAL DISSOLVED SOLIDS		18000.0000 UGL	EE
ASB 2A 012087 TOTAL ORGANIC CARBON		2000.0000 UGL	EE
ASB 2A 012087 TOTAL RADIUM		5.2000 PCL	RM
ASB 2A 012087 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB 2A 012087 TOTAL PHOSPHATES		30.0000 UGL	EE
ASB 2A 012087 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 012087 TRITIUM		1.6300 PCML	RM
ASB 2A 012087 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 012087 ZINC		42.0000 UGL	EE
ASB 2A 042587 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 042587 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 042587 SPECIFIC CONDUCTANCE		55.0000 UMHC	FD
ASB 2A 042587 PH		4.9000 PH	FD
ASB 2A 042587 TETRACHLOROETHYLENE		1.0000 UGL	EE
ASB 2A 042587 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 042587 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 080287 GROSS ALPHA		2.4000 PCL	RM
ASB 2A 080287 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 080287 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 080287 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 080287 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 080287 SPECIFIC CONDUCTANCE		58.0000 UMHC	FD
ASB 2A 080287 CHROMIUM	LT	4.0000 UGL	EE
ASB 2A 080287 IRON		60.0000 UGL	EE
ASB 2A 080287 MANGANESE		41.0000 UGL	EE
ASB 2A 080287 SODIUM		3910.0000 UGL	EE
ASB 2A 080287 LEAD		15.0000 UGL	EE
ASB 2A 080287 PH		6.0000 PH	FD
ASB 2A 080287 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 080287 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 080287 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 2A 080287 TOTAL RADIUM		4.7000 PCL	RM
ASB 2A 080287 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB 2A 080287 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 080287 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 080287 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 080287 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 101887 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 101887 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 101887 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 101887 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 101887 SPECIFIC CONDUCTANCE		65.0000 UMHC	FD
ASB 2A 101887 PH		5.4000 PH	FD
ASB 2A 101887 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 101887 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 101887 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 101887 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 101887 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 101887 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 012688 GROSS ALPHA		7.1000 PCL	EE
ASB 2A 012688 NONVOLATILE BETA		5.4000 PCL	EE
ASB 2A 012688 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 012688 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 012688 CADMIUM	LT	2.0000 UGL	EE

Raw Data for ASB 2A

ASB 2A 012688 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 012688 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 012688 CHLORIDE		6200.0000 UGL	EE
ASB 2A 012688 SPECIFIC CONDUCTANCE		61.0000 UMHC	FD
ASB 2A 012688 COPPER	LT	4.0000 UGL	EE
ASB 2A 012688 IRON		37.0000 UGL	EE
ASB 2A 012688 MERCURY	LT	0.2000 UGL	EE
ASB 2A 012688 MANGANESE		21.0000 UGL	EE
ASB 2A 012688 SODIUM		7040.0000 UGL	EE
ASB 2A 012688 NICKEL	LT	4.0000 UGL	EE
ASB 2A 012688 LEAD		12.0000 UGL	EE
ASB 2A 012688 PH		5.1000 PH	FD
ASB 2A 012688 SULFATE	LT	5000.0000 UGL	EE
ASB 2A 012688 TETRACHLOROETHYLENE		1.2700 UGL	EE
ASB 2A 012688 TETRACHLOROETHYLENE		1.0200 UGL	EE
ASB 2A 012688 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 2A 012688 TOTAL RADIUM		3.6000 PCL	EE
ASB 2A 012688 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB 2A 012688 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 012688 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 2A 012688 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 012688 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 2A 040588 CHLOROFORM	LT	1.0000 UGL	MA
ASB 2A 040588 SPECIFIC CONDUCTANCE		74.0000 UMHC	FD
ASB 2A 040588 PH		5.8000 PH	FD
ASB 2A 040588 TETRACHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 2A 040588 TRICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 2A 040588 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB 2A 070788 SILVER	LT	2.0000 UGL	EE
ASB 2A 070788 GROSS ALPHA		3.9700 PCL	EE
ASB 2A 070788 ARSENIC	LT	2.0000 UGL	EE
ASB 2A 070788 BARIUM		12.0000 UGL	EE
ASB 2A 070788 NONVOLATILE BETA		4.1900 PCL	EE
ASB 2A 070788 CALCIUM		2990.0000 UGL	EE
ASB 2A 070788 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 2A 070788 CADMIUM	LT	2.0000 UGL	EE
ASB 2A 070788 CERIUM 144		0.0000 PCML	SR
ASB 2A 070788 CHLOROFORM	LT	1.0000 UGL	EE
ASB 2A 070788 CHLOROFORM	LT	1.0000 UGL	MA
ASB 2A 070788 CHLORIDE		7400.0000 UGL	EE
ASB 2A 070788 SPECIFIC CONDUCTANCE		71.0000 UMHC	FD
ASB 2A 070788 COBALT 60		0.0000 PCML	SR
ASB 2A 070788 CHROMIUM	LT	4.0000 UGL	EE
ASB 2A 070788 CHROMIUM 51		0.0000 PCML	SR
ASB 2A 070788 CESIUM 134		0.0000 PCML	SR
ASB 2A 070788 CESIUM 137		0.0000 PCML	SR
ASB 2A 070788 FLUORIDE	LT	100.0000 UGL	EE
ASB 2A 070788 IRON		34.0000 UGL	EE
ASB 2A 070788 MERCURY	LT	0.2000 UGL	EE
ASB 2A 070788 IODINE 131		0.0000 PCML	SR
ASB 2A 070788 POTASSIUM	LT	500.0000 UGL	EE
ASB 2A 070788 MAGNESIUM		781.0000 UGL	EE
ASB 2A 070788 MANGANESE		20.0000 UGL	EE
ASB 2A 070788 MANGANESE		13.0000 UGL	EE
ASB 2A 070788 SODIUM		8570.0000 UGL	EE
ASB 2A 070788 NITRATE AS NITROGEN		120.0000 UGL	EE
ASB 2A 070788 LEAD	LT	6.0000 UGL	EE
ASB 2A 070788 PH		5.4000 PH	FD
ASB 2A 070788 PHENOLS	LT	5.0000 UGL	EE
ASB 2A 070788 RUTHENIUM 103		0.0000 PCML	SR
ASB 2A 070788 RUTHENIUM 106		0.0000 PCML	SR
ASB 2A 070788 ANTIMONY 125		0.0000 PCML	SR
ASB 2A 070788 SELENIUM	LT	2.0000 UGL	EE
ASB 2A 070788 SILICA		790.0000 UGL	EE

Raw Data for ASB 2A

ASB 2A 070788 SULFATE		9400.0000	UGL	EE
ASB 2A 070788 TETRACHLOROETHYLENE		1.5500	UGL	EE
ASB 2A 070788 TETRACHLOROETHYLENE		1.3200	UGL	MA
ASB 2A 070788 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 2A 070788 TOTAL RADIUM		2.6300	PCL	EE
ASB 2A 070788 TOTAL ORGANIC HALOGENS		17.0000	UGL	EE
ASB 2A 070788 TOTAL PHOSPHATES		20.0000	UGL	EE
ASB 2A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 2A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 2A 070788 TRITIUM		1.7400	PCML	EE
ASB 2A 070788 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 2A 070788 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 2A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 2A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 2A 070788 ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 2A 100288 CHLOROFORM	LT	1.0000	UGL	MA
ASB 2A 100288 SPECIFIC CONDUCTANCE		82.0000	UMHC	FD
ASB 2A 100288 PH		5.4000	PH	FD
ASB 2A 100288 TETRACHLOROETHYLENE		1.9800	UGL	MA
ASB 2A 100288 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 2A 100288 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 2A 100288 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 2A 100288 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 2A 031289 AMERICIUM 241	LT	0.8000	PCL	TE
ASB 2A 031289 BARIUM 140	LT	10.0000	PCL	TE
ASB 2A 031289 BERYLLIUM 7	LT	50.0000	PCL	TE
ASB 2A 031289 CERIUM 141	LT	10.0000	PCL	TE
ASB 2A 031289 CERIUM 144	LT	40.0000	PCL	TE
ASB 2A 031289 CURIUM 242	LT	0.8000	PCL	TE
ASB 2A 031289 CURIUM 246	LT	0.8000	PCL	TE
ASB 2A 031289 CURIUM 243/244	LT	1.0000	PCL	TE
ASB 2A 031289 COBALT 58	LT	5.0000	PCL	TE
ASB 2A 031289 COBALT 60	LT	6.0000	PCL	TE
ASB 2A 031289 CESIUM 134	LT	5.0000	PCL	TE
ASB 2A 031289 CESIUM 137	LT	5.0000	PCL	TE
ASB 2A 031289 IRON 59	LT	10.0000	PCL	TE
ASB 2A 031289 IODINE 131	LT	10.0000	PCL	TE
ASB 2A 031289 POTASSIUM 40	LT	90.0000	PCL	TE
ASB 2A 031289 MANGANESE 54	LT	5.0000	PCL	TE
ASB 2A 031289 PLUTONIUM 238	LT	1.0000	PCL	TE
ASB 2A 031289 PLUTONIUM 239/240		1.6000	PCL	TE
ASB 2A 031289 RADIUM 226	LT	100.0000	PCL	TE
ASB 2A 031289 RADIUM 226		2.7000	PCL	TE
ASB 2A 031289 RADIUM 228		1.4000	PCL	TE
ASB 2A 031289 RUTHENIUM 103	LT	6.0000	PCL	TE
ASB 2A 031289 RUTHENIUM 106	LT	40.0000	PCL	TE
ASB 2A 031289 STRONTIUM 89	LT	2.0000	PCL	TE
ASB 2A 031289 STRONTIUM 90	LT	0.7000	PCL	TE
ASB 2A 031289 THORIUM 228	LT	10.0000	PCL	TE
ASB 2A 031289 URANIUM 234	LT	2.0000	PCL	TE
ASB 2A 031289 URANIUM 235	LT	1.0000	PCL	TE
ASB 2A 031289 ZINC 65	LT	10.0000	PCL	TE
ASB 2A 031289 ZIRCONIUM 95	LT	5.0000	PCL	TE
ASB 2A 031389 SILVER	LT	2.0000	UGL	EE
ASB 2A 031389 SILVER	LT	2.0000	UGL	EE
ASB 2A 031389 SILVER	LT	10.0000	UGL	EW
ASB 2A 031389 SILVER	LT	10.0000	UGL	WA
ASB 2A 031389 ALUMINUM	LT	200.0000	UGL	WA
ASB 2A 031389 GROSS ALPHA		3.5600	PCL	RM
ASB 2A 031389 GROSS ALPHA		5.1200	PCL	RM
ASB 2A 031389 GROSS ALPHA		3.2900	PCL	EW
ASB 2A 031389 GROSS ALPHA		6.0000	PCL	WA
ASB 2A 031389 ARSENIC	LT	2.0000	UGL	EE
ASB 2A 031389 ARSENIC	LT	2.0000	UGL	EE

Raw Data for ASB 2A

ASB 2A 031389 ARSENIC	LT	5.0000	UGL	EW
ASB 2A 031389 ARSENIC	LT	10.0000	UGL	WA
ASB 2A 031389 BARIUM		11.0000	UGL	EE
ASB 2A 031389 BARIUM		11.0000	UGL	EE
ASB 2A 031389 BARIUM	LT	100.0000	UGL	EW
ASB 2A 031389 BARIUM	LT	200.0000	UGL	WA
ASB 2A 031389 BERYLLIUM	LT	5.0000	UGL	WA
ASB 2A 031389 NONVOLATILE BETA		2.4800	PCL	RM
ASB 2A 031389 NONVOLATILE BETA		2.9500	PCL	RM
ASB 2A 031389 NONVOLATILE BETA		2.3000	PCL	EW
ASB 2A 031389 NONVOLATILE BETA		4.0000	PCL	WA
ASB 2A 031389 BROMOCHLOROMETHANE		75.0000	PER	WA
ASB 2A 031389 BROMODICHLOROMETHANE	LT	1.0000	UGL	EW
ASB 2A 031389 CALCIUM		2420.0000	UGL	EE
ASB 2A 031389 CALCIUM		2370.0000	UGL	EE
ASB 2A 031389 CALCIUM		2500.0000	UGL	EW
ASB 2A 031389 CALCIUM	LT	5000.0000	UGL	WA
ASB 2A 031389 TRICHLOROFLUOROMETHANE	LT	1.0000	UGL	EW
ASB 2A 031389 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 2A 031389 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 2A 031389 CARBON TETRACHLORIDE	LT	1.0000	UGL	EW
ASB 2A 031389 CARBON TETRACHLORIDE	LT	1.0000	UGL	WA
ASB 2A 031389 CADMIUM	LT	2.0000	UGL	EE
ASB 2A 031389 CADMIUM	LT	2.0000	UGL	EE
ASB 2A 031389 CADMIUM	LT	10.0000	UGL	EW
ASB 2A 031389 CADMIUM	LT	5.0000	UGL	WA
ASB 2A 031389 BROMOFORM	LT	1.0000	UGL	EW
ASB 2A 031389 CHLOROFORM	LT	1.0000	UGL	EE
ASB 2A 031389 CHLOROFORM	LT	1.0000	UGL	EE
ASB 2A 031389 CHLOROFORM	LT	1.0000	UGL	MA
ASB 2A 031389 CHLOROFORM	LT	1.0000	UGL	MA
ASB 2A 031389 CHLOROFORM	LT	1.0000	UGL	EW
ASB 2A 031389 CHLOROFORM	LT	1.0000	UGL	WA
ASB 2A 031389 METHYLENE CHLORIDE		3.4000	UGL	EW
ASB 2A 031389 BROMOMETHANE	LT	1.0000	UGL	EW
ASB 2A 031389 CHLOROMETHANE	LT	1.0000	UGL	EW
ASB 2A 031389 CHLORIDE		7600.0000	UGL	EE
ASB 2A 031389 CHLORIDE		7400.0000	UGL	EE
ASB 2A 031389 CHLORIDE		7000.0000	UGL	EW
ASB 2A 031389 CHLORIDE		11700.0000	UGL	WA
ASB 2A 031389 CHLOROBENZENE	LT	1.0000	UGL	EW
ASB 2A 031389 COBALT	LT	50.0000	UGL	WA
ASB 2A 031389 SPECIFIC CONDUCTANCE		90.0000	UMEC	FD
ASB 2A 031389 SPECIFIC CONDUCTANCE		90.0000	UMEC	FD
ASB 2A 031389 SPECIFIC CONDUCTANCE		78.0000	UMEC	EW
ASB 2A 031389 SPECIFIC CONDUCTANCE		84.1000	UMEC	WA
ASB 2A 031389 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 031389 CHROMIUM	LT	4.0000	UGL	EE
ASB 2A 031389 CHROMIUM	LT	50.0000	UGL	EW
ASB 2A 031389 CHROMIUM	LT	10.0000	UGL	WA
ASB 2A 031389 COPPER	LT	4.0000	UGL	EE
ASB 2A 031389 COPPER	LT	4.0000	UGL	EE
ASB 2A 031389 COPPER	LT	20.0000	UGL	EW
ASB 2A 031389 COPPER	LT	25.0000	UGL	WA
ASB 2A 031389 CHLOROETHENE	LT	1.0000	UGL	EW
ASB 2A 031389 CHLOROETHANE	LT	1.0000	UGL	EW
ASB 2A 031389 BENZENE	LT	1.0000	UGL	EW
ASB 2A 031389 DIBROMOCHLOROMETHANE	LT	1.0000	UGL	EW
ASB 2A 031389 ETHYLBENZENE	LT	1.0000	UGL	EW
ASB 2A 031389 FLUORIDE	LT	100.0000	UGL	EE
ASB 2A 031389 FLUORIDE	LT	100.0000	UGL	EE
ASB 2A 031389 FLUORIDE	LT	100.0000	UGL	EW
ASB 2A 031389 FLUORIDE	LT	100.0000	UGL	WA
ASB 2A 031389 IRON		71.0000	UGL	EE

Raw Data for ASB 2A

ASB	2A	031389	IRON		46.0000	UGL	EE
ASB	2A	031389	IRON		70.0000	UGL	EW
ASB	2A	031389	IRON	LT	100.0000	UGL	WA
ASB	2A	031389	MERCURY	LT	0.2000	UGL	EE
ASB	2A	031389	MERCURY	LT	0.2000	UGL	EE
ASB	2A	031389	MERCURY	LT	0.2000	UGL	EW
ASB	2A	031389	MERCURY	LT	0.2000	UGL	WA
ASB	2A	031389	POTASSIUM	LT	500.0000	UGL	EE
ASB	2A	031389	POTASSIUM	LT	500.0000	UGL	EE
ASB	2A	031389	POTASSIUM	LT	1000.0000	UGL	EW
ASB	2A	031389	POTASSIUM	LT	5000.0000	UGL	WA
ASB	2A	031389	LITHIUM	LT	50.0000	UGL	WA
ASB	2A	031389	TOLUENE	LT	1.0000	UGL	EW
ASB	2A	031389	MAGNESIUM		590.0000	UGL	EE
ASB	2A	031389	MAGNESIUM		579.0000	UGL	EE
ASB	2A	031389	MAGNESIUM		590.0000	UGL	EW
ASB	2A	031389	MAGNESIUM	LT	5000.0000	UGL	WA
ASB	2A	031389	MANGANESE		11.0000	UGL	EE
ASB	2A	031389	MANGANESE		10.0000	UGL	EE
ASB	2A	031389	MANGANESE	LT	20.0000	UGL	EW
ASB	2A	031389	MANGANESE		25.7000	UGL	WA
ASB	2A	031389	SODIUM		12000.0000	UGL	EE
ASB	2A	031389	SODIUM		12600.0000	UGL	EE
ASB	2A	031389	SODIUM		12000.0000	UGL	EW
ASB	2A	031389	SODIUM		13300.0000	UGL	WA
ASB	2A	031389	NICKEL	LT	4.0000	UGL	EE
ASB	2A	031389	NICKEL	LT	4.0000	UGL	EE
ASB	2A	031389	NICKEL	LT	50.0000	UGL	EW
ASB	2A	031389	NICKEL	LT	40.0000	UGL	WA
ASB	2A	031389	NITRATE AS NITROGEN		149.0000	UGL	EE
ASB	2A	031389	NITRATE AS NITROGEN		170.0000	UGL	EE
ASB	2A	031389	NITRATE AS NITROGEN		200.0000	UGL	EW
ASB	2A	031389	NITRATE AS NITROGEN		150.0000	UGL	WA
ASB	2A	031389	LEAD	LT	6.0000	UGL	EE
ASB	2A	031389	LEAD	LT	6.0000	UGL	EE
ASB	2A	031389	LEAD	LT	100.0000	UGL	EW
ASB	2A	031389	LEAD		5.3000	UGL	WA
ASB	2A	031389	PH		5.6000	PH	FD
ASB	2A	031389	PH		5.6000	PH	FD
ASB	2A	031389	PH		5.7000	PH	EW
ASB	2A	031389	PH		5.8000	PH	WA
ASB	2A	031389	PHENOLS	LT	5.0000	UGL	EE
ASB	2A	031389	PHENOLS	LT	5.0000	UGL	EE
ASB	2A	031389	PHENOLS	LT	5.0000	UGL	EW
ASB	2A	031389	PHENOLS	LT	5.0000	UGL	WA
ASB	2A	031389	ANTIMONY	LT	60.0000	UGL	WA
ASB	2A	031389	SELENIUM	LT	2.0000	UGL	EE
ASB	2A	031389	SELENIUM	LT	2.0000	UGL	EE
ASB	2A	031389	SELENIUM	LT	10.0000	UGL	EW
ASB	2A	031389	SELENIUM	LT	5.0000	UGL	WA
ASB	2A	031389	SILICA		3260.0000	UGL	EE
ASB	2A	031389	SILICA		3280.0000	UGL	EE
ASB	2A	031389	SILICA		3280.0000	UGL	EE
ASB	2A	031389	SILICA		3060.0000	UGL	EW
ASB	2A	031389	SILICA		1440.0000	UGL	WA
ASB	2A	031389	TIN	LT	100.0000	UGL	WA
ASB	2A	031389	SULFATE		13400.0000	UGL	EE
ASB	2A	031389	SULFATE		13400.0000	UGL	EE
ASB	2A	031389	SULFATE		14000.0000	UGL	EW
ASB	2A	031389	SULFATE		13200.0000	UGL	WA
ASB	2A	031389	STRONTIUM 89/90		1.2600	PCL	SR
ASB	2A	031389	1,1,2,2-TETRACHLOROETHANE	LT	1.0000	UGL	EW
ASB	2A	031389	TETRACHLOROETHYLENE		2.5400	UGL	EE
ASB	2A	031389	TETRACHLOROETHYLENE		2.0800	UGL	EE

Raw Data for ASB 2A

ASB	2A	031389	TETRACHLOROETHYLENE		3.3600	UGL	MA
ASB	2A	031389	TETRACHLOROETHYLENE		1.4500	UGL	MA
ASB	2A	031389	TETRACHLOROETHYLENE		2.4000	UGL	EW
ASB	2A	031389	TETRACHLOROETHYLENE		2.0000	UGL	WA
ASB	2A	031389	TOTAL DISSOLVED SOLIDS		44000.0000	UGL	EE
ASB	2A	031389	TOTAL DISSOLVED SOLIDS		40000.0000	UGL	EE
ASB	2A	031389	TOTAL DISSOLVED SOLIDS		68000.0000	UGL	EW
ASB	2A	031389	TOTAL DISSOLVED SOLIDS		44000.0000	UGL	WA
ASB	2A	031389	TOTAL DISSOLVED SOLIDS		44000.0000	UGL	WA
ASB	2A	031389	THALLIUM	LT	10.0000	UGL	WA
ASB	2A	031389	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	2A	031389	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	2A	031389	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	2A	031389	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EW
ASB	2A	031389	TOTAL ORGANIC CARBON		620.0000	UGL	WA
ASB	2A	031389	TOTAL RADIUM		2.5500	PCL	RM
ASB	2A	031389	TOTAL RADIUM		2.8600	PCL	RM
ASB	2A	031389	TOTAL RADIUM		1.9300	PCL	EW
ASB	2A	031389	TOTAL RADIUM		1.1000	PCL	WA
ASB	2A	031389	TOTAL ORGANIC HALOGENS		5.7000	UGL	EE
ASB	2A	031389	TOTAL ORGANIC HALOGENS		6.0000	UGL	EE
ASB	2A	031389	TOTAL ORGANIC HALOGENS	LT	10.0000	UGL	EW
ASB	2A	031389	TOTAL ORGANIC HALOGENS	LT	20.0000	UGL	WA
ASB	2A	031389	TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB	2A	031389	TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB	2A	031389	TOTAL PHOSPHATES	LT	10.0000	UGL	EW
ASB	2A	031389	TOTAL PHOSPHATES	LT	50.0000	UGL	WA
ASB	2A	031389	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	2A	031389	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	2A	031389	TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	2A	031389	TRICHLOROETHYLENE		1.3700	UGL	MA
ASB	2A	031389	TRICHLOROETHYLENE		1.7000	UGL	EW
ASB	2A	031389	TRICHLOROETHYLENE	LT	1.0000	UGL	WA
ASB	2A	031389	TRITIUM		1.1600	PCML	RM
ASB	2A	031389	TRITIUM		1.4000	PCML	RM
ASB	2A	031389	TRITIUM		1.4600	PCML	EW
ASB	2A	031389	TRITIUM		2.0000	PCML	WA
ASB	2A	031389	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB	2A	031389	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB	2A	031389	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	EW
ASB	2A	031389	URANIUM	LT	1000.0000	UGL	WA
ASB	2A	031389	URANIUM AND/OR PLUTONIUM		0.4400	PCL	SR
ASB	2A	031389	VANADIUM	LT	50.0000	UGL	WA
ASB	2A	031389	XYLENES	LT	1.0000	UGL	EW
ASB	2A	031389	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	2A	031389	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	2A	031389	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	EW
ASB	2A	031389	1,1-DICHLOROETHANE	LT	1.0000	UGL	EW
ASB	2A	031389	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	2A	031389	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	2A	031389	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB	2A	031389	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB	2A	031389	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EW
ASB	2A	031389	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	WA
ASB	2A	031389	1,1,2-TRICHLOROETHANE	LT	1.0000	UGL	EW
ASB	2A	031389	1,2-DICHLOROBENZENE	LT	1.0000	UGL	EW
ASB	2A	031389	1,2-DICHLOROETHANE	LT	1.0000	UGL	EW
ASB	2A	031389	1,2-DICHLOROPROPANE	LT	1.0000	UGL	EW
ASB	2A	031389	1,3-DICHLOROBENZENE	LT	1.0000	UGL	EW
ASB	2A	031389	CIS-1,3-DICHLOROPROPENE	LT	1.0000	UGL	EW
ASB	2A	031389	TRANS-1,3-DICHLOROPROPENE	LT	1.0000	UGL	EW
ASB	2A	031389	1,4-DICHLOROBENZENE	LT	1.0000	UGL	EW
ASB	2A	031389	2-CHLOROETHYL VINYL ETHER	LT	1.0000	UGL	EW
ASB	2A	031389	ZINC	LT	20.0000	UGL	WA

Raw Data for ASB 2A

ASB	2A	032589	CERIUM 144	0.0000	PCML	SR
ASB	2A	032589	COBALT 60	0.0000	PCML	SR
ASB	2A	032589	CHROMIUM 51	0.0000	PCML	SR
ASB	2A	032589	CESIUM 134	0.0000	PCML	SR
ASB	2A	032589	CESIUM 137	0.0000	PCML	SR
ASB	2A	032589	IODINE 131	0.0000	PCML	SR
ASB	2A	032589	RUTHENIUM 103	0.0000	PCML	SR
ASB	2A	032589	RUTHENIUM 106	0.0000	PCML	SR
ASB	2A	032589	ANTIMONY 125	0.0000	PCML	SR
ASB	2A	032589	ZIRCONIUM/NIOBIUM 95	0.0000	PCML	SR

T-Test Data

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 83

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
1	ASB	BKG	12687	ALUMINUM	43.00
2	ASB	BKG	12987	ALUMINUM	35.33
3	ASB	BKG	20789	ALUMINUM	80.00
4	ASB	BKG	22488	ALUMINUM	59.00
5	ASB	BKG	31289	ALUMINUM	46.50
6	ASB	BKG	40687	ALUMINUM	42.50
7	ASB	BKG	51088	ALUMINUM	253.00
8	ASB	BKG	51188	ALUMINUM	314.00
9	ASB	BKG	61886	ALUMINUM	62.00
10	ASB	BKG	72286	ALUMINUM	37.50
11	ASB	BKG	72386	ALUMINUM	45.00
12	ASB	BKG	80487	ALUMINUM	81.00
13	ASB	BKG	81388	ALUMINUM	42.00
14	ASB	BKG	81488	ALUMINUM	43.00
15	ASB	BKG	102888	ALUMINUM	51.00
16	ASB	BKG	110286	ALUMINUM	33.00
17	ASB	BKG	110386	ALUMINUM	37.67
18	ASB	BKG	110888	ALUMINUM	44.00
19	ASB	BKG	121787	ALUMINUM	74.00
20	ASB	BKG	121987	ALUMINUM	79.00
21	ASB	2A	12087	BARIUM	14.00
22	ASB	2A	22585	BARIUM	17.00
23	ASB	2A	31389	BARIUM	11.00
24	ASB	2A	70788	BARIUM	12.00
25	ASB	2A	81484	BARIUM	18.00
26	ASB	2A	102284	BARIUM	18.00
27	ASB	BKG	12687	BARIUM	7.50
28	ASB	BKG	12987	BARIUM	3.33
29	ASB	BKG	20789	BARIUM	5.00
30	ASB	BKG	22488	BARIUM	8.00
31	ASB	BKG	31289	BARIUM	8.50
32	ASB	BKG	51088	BARIUM	7.00
33	ASB	BKG	51188	BARIUM	2.00
34	ASB	BKG	61886	BARIUM	2.00
35	ASB	BKG	72286	BARIUM	4.00
36	ASB	BKG	72386	BARIUM	7.00
37	ASB	BKG	80487	BARIUM	6.50
38	ASB	BKG	81388	BARIUM	2.00
39	ASB	BKG	81488	BARIUM	6.00
40	ASB	BKG	102888	BARIUM	4.00
41	ASB	BKG	110286	BARIUM	2.00
42	ASB	BKG	110386	BARIUM	7.00
43	ASB	BKG	110888	BARIUM	9.00
44	ASB	BKG	121787	BARIUM	14.00
45	ASB	BKG	121987	BARIUM	5.00
46	ASB	BKG	12687	CALCIUM	265.00
47	ASB	BKG	12987	CALCIUM	876.33
48	ASB	BKG	110286	CALCIUM	983.50
49	ASB	BKG	110386	CALCIUM	655.00
50	ASB	2A	12087	CHLORIDE	6200.00
51	ASB	2A	12688	CHLORIDE	6200.00
52	ASB	2A	21286	CHLORIDE	8400.00
53	ASB	2A	22585	CHLORIDE	8310.00
54	ASB	2A	31389	CHLORIDE	7500.00

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 84

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
55	ASB	2A	70788	CHLORIDE	7400.00
56	ASB	2A	81484	CHLORIDE	7790.00
57	ASB	2A	102284	CHLORIDE	6500.00
58	ASB	BKG	12687	CHLORIDE	2500.00
59	ASB	BKG	12987	CHLORIDE	2900.00
60	ASB	BKG	20789	CHLORIDE	2200.00
61	ASB	BKG	22488	CHLORIDE	2150.00
62	ASB	BKG	31289	CHLORIDE	2500.00
63	ASB	BKG	51088	CHLORIDE	2450.00
64	ASB	BKG	51188	CHLORIDE	2000.00
65	ASB	BKG	61886	CHLORIDE	4166.67
66	ASB	BKG	72286	CHLORIDE	2270.00
67	ASB	BKG	72386	CHLORIDE	2270.00
68	ASB	BKG	80487	CHLORIDE	2950.00
69	ASB	BKG	81388	CHLORIDE	2400.00
70	ASB	BKG	81488	CHLORIDE	2300.00
71	ASB	BKG	102888	CHLORIDE	2100.00
72	ASB	BKG	110286	CHLORIDE	3400.00
73	ASB	BKG	110386	CHLORIDE	2800.00
74	ASB	BKG	110888	CHLORIDE	2200.00
75	ASB	BKG	121987	CHLORIDE	2400.00
76	ASB	BKG	12687	COPPER	4.50
77	ASB	BKG	12987	COPPER	2.00
78	ASB	BKG	20789	COPPER	11.00
79	ASB	BKG	22488	COPPER	7.50
80	ASB	BKG	31289	COPPER	5.50
81	ASB	BKG	51088	COPPER	6.00
82	ASB	BKG	51188	COPPER	5.00
83	ASB	BKG	61886	COPPER	5.50
84	ASB	BKG	72286	COPPER	6.00
85	ASB	BKG	72386	COPPER	3.00
86	ASB	BKG	80487	COPPER	8.50
87	ASB	BKG	81388	COPPER	2.00
88	ASB	BKG	81488	COPPER	4.00
89	ASB	BKG	102888	COPPER	5.00
90	ASB	BKG	110286	COPPER	9.50
91	ASB	BKG	110386	COPPER	9.00
92	ASB	BKG	110888	COPPER	15.00
93	ASB	BKG	121787	COPPER	15.00
94	ASB	BKG	121987	COPPER	5.00
95	ASB	2A	12087	GROSS ALPHA	4.00
96	ASB	2A	12688	GROSS ALPHA	7.00
97	ASB	2A	21286	GROSS ALPHA	20.00
98	ASB	2A	22585	GROSS ALPHA	9.00
99	ASB	2A	31389	GROSS ALPHA	4.50
100	ASB	2A	70788	GROSS ALPHA	4.00
101	ASB	2A	80287	GROSS ALPHA	2.00
102	ASB	2A	80586	GROSS ALPHA	5.50
103	ASB	2A	81484	GROSS ALPHA	4.00
104	ASB	2A	102284	GROSS ALPHA	5.00
105	ASB	BKG	12687	GROSS ALPHA	7.00
106	ASB	BKG	12987	GROSS ALPHA	1.00
107	ASB	BKG	20789	GROSS ALPHA	1.50
108	ASB	BKG	22488	GROSS ALPHA	14.50

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 85

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
109	ASB	BKG	31289	GROSS ALPHA	23.7500
110	ASB	BKG	40687	GROSS ALPHA	5.2500
111	ASB	BKG	61886	GROSS ALPHA	5.7500
112	ASB	BKG	72286	GROSS ALPHA	1.5000
113	ASB	BKG	72386	GROSS ALPHA	7.0000
114	ASB	BKG	80487	GROSS ALPHA	3.7500
115	ASB	BKG	110286	GROSS ALPHA	1.5000
116	ASB	BKG	110386	GROSS ALPHA	7.5000
117	ASB	BKG	121787	GROSS ALPHA	22.0000
118	ASB	BKG	121987	GROSS ALPHA	1.0000
119	ASB	2A	12087	IRON	44.0000
120	ASB	2A	12688	IRON	37.0000
121	ASB	2A	21286	IRON	34.0000
122	ASB	2A	22585	IRON	35.0000
123	ASB	2A	31389	IRON	58.5000
124	ASB	2A	70788	IRON	34.0000
125	ASB	2A	80287	IRON	60.0000
126	ASB	2A	81484	IRON	36.0000
127	ASB	2A	102284	IRON	38.0000
128	ASB	BKG	12687	IRON	19.5000
129	ASB	BKG	12987	IRON	31.5000
130	ASB	BKG	61886	IRON	39.0000
131	ASB	BKG	72286	IRON	31.5000
132	ASB	BKG	72386	IRON	31.3333
133	ASB	BKG	80487	IRON	76.5000
134	ASB	BKG	110286	IRON	33.5000
135	ASB	BKG	110386	IRON	27.6667
136	ASB	BKG	121787	IRON	33.0000
137	ASB	BKG	121987	IRON	40.0000
138	ASB	2A	12087	LEAD	3.0000
139	ASB	2A	12688	LEAD	12.0000
140	ASB	2A	22585	LEAD	8.0000
141	ASB	2A	31389	LEAD	3.0000
142	ASB	2A	41886	LEAD	15.0000
143	ASB	2A	42385	LEAD	11.0000
144	ASB	2A	70788	LEAD	3.0000
145	ASB	2A	80287	LEAD	15.0000
146	ASB	2A	80586	LEAD	19.5000
147	ASB	2A	81385	LEAD	5.0000
148	ASB	2A	81484	LEAD	9.0000
149	ASB	2A	102284	LEAD	26.0000
150	ASB	2A	102985	LEAD	6.0000
151	ASB	BKG	12687	LEAD	11.5000
152	ASB	BKG	12987	LEAD	8.6667
153	ASB	BKG	20789	LEAD	20.0000
154	ASB	BKG	22488	LEAD	8.5000
155	ASB	BKG	31289	LEAD	3.0000
156	ASB	BKG	40687	LEAD	11.0000
157	ASB	BKG	51088	LEAD	11.0000
158	ASB	BKG	51188	LEAD	9.0000
159	ASB	BKG	61886	LEAD	24.5000
160	ASB	BKG	72286	LEAD	22.5000
161	ASB	BKG	72386	LEAD	28.3333
162	ASB	BKG	80487	LEAD	9.5000

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 86

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
163	ASB	BKG	81388	LEAD	3.00
164	ASB	BKG	81488	LEAD	3.00
165	ASB	BKG	102888	LEAD	9.50
166	ASB	BKG	110286	LEAD	17.00
167	ASB	BKG	110386	LEAD	17.67
168	ASB	BKG	110888	LEAD	15.00
169	ASB	BKG	121787	LEAD	8.00
170	ASB	BKG	121987	LEAD	9.00
171	ASB	BKG	12687	MAGNESIUM	435.00
172	ASB	BKG	12987	MAGNESIUM	481.00
173	ASB	BKG	110286	MAGNESIUM	485.00
174	ASB	BKG	110386	MAGNESIUM	443.33
175	ASB	2A	12087	MANGANESE	42.00
176	ASB	2A	12688	MANGANESE	21.00
177	ASB	2A	21286	MANGANESE	48.00
178	ASB	2A	22585	MANGANESE	45.50
179	ASB	2A	31389	MANGANESE	10.50
180	ASB	2A	70788	MANGANESE	16.50
181	ASB	2A	80287	MANGANESE	41.00
182	ASB	2A	80586	MANGANESE	51.50
183	ASB	2A	81484	MANGANESE	74.00
184	ASB	2A	102284	MANGANESE	68.00
185	ASB	BKG	12687	MANGANESE	3.50
186	ASB	BKG	12987	MANGANESE	19.33
187	ASB	BKG	20789	MANGANESE	17.00
188	ASB	BKG	31289	MANGANESE	3.50
189	ASB	BKG	61886	MANGANESE	14.00
190	ASB	BKG	72286	MANGANESE	24.50
191	ASB	BKG	72386	MANGANESE	5.00
192	ASB	BKG	80487	MANGANESE	11.00
193	ASB	BKG	81388	MANGANESE	13.00
194	ASB	BKG	81488	MANGANESE	3.00
195	ASB	BKG	110286	MANGANESE	21.00
196	ASB	BKG	110386	MANGANESE	5.00
197	ASB	BKG	121787	MANGANESE	14.00
198	ASB	BKG	121987	MANGANESE	15.00
199	ASB	2A	12087	NITRATE AS NITROGEN	170.00
200	ASB	2A	22585	NITRATE AS NITROGEN	600.00
201	ASB	2A	31389	NITRATE AS NITROGEN	159.50
202	ASB	2A	70788	NITRATE AS NITROGEN	120.00
203	ASB	2A	81484	NITRATE AS NITROGEN	250.00
204	ASB	2A	102284	NITRATE AS NITROGEN	250.00
205	ASB	BKG	12687	NITRATE AS NITROGEN	2180.00
206	ASB	BKG	12987	NITRATE AS NITROGEN	1200.00
207	ASB	BKG	20789	NITRATE AS NITROGEN	998.00
208	ASB	BKG	22488	NITRATE AS NITROGEN	1525.00
209	ASB	BKG	31289	NITRATE AS NITROGEN	1990.00
210	ASB	BKG	40687	NITRATE AS NITROGEN	1670.00
211	ASB	BKG	51088	NITRATE AS NITROGEN	1560.00
212	ASB	BKG	51188	NITRATE AS NITROGEN	880.00
213	ASB	BKG	61886	NITRATE AS NITROGEN	1783.33
214	ASB	BKG	72286	NITRATE AS NITROGEN	1190.00
215	ASB	BKG	72386	NITRATE AS NITROGEN	2070.00
216	ASB	BKG	80487	NITRATE AS NITROGEN	1675.00

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 87

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
217	ASB	BKG	81388	NITRATE AS NITROGEN	1080.00
218	ASB	BKG	81488	NITRATE AS NITROGEN	1980.00
219	ASB	BKG	102888	NITRATE AS NITROGEN	1210.00
220	ASB	BKG	110286	NITRATE AS NITROGEN	1170.00
221	ASB	BKG	110386	NITRATE AS NITROGEN	2140.00
222	ASB	BKG	110888	NITRATE AS NITROGEN	2240.00
223	ASB	BKG	121787	NITRATE AS NITROGEN	3040.00
224	ASB	BKG	121987	NITRATE AS NITROGEN	1370.00
225	ASB	2A	12087	NONVOLATILE BETA	3.00
226	ASB	2A	12688	NONVOLATILE BETA	5.00
227	ASB	2A	21286	NONVOLATILE BETA	20.00
228	ASB	2A	22585	NONVOLATILE BETA	5.00
229	ASB	2A	31389	NONVOLATILE BETA	2.75
230	ASB	2A	70788	NONVOLATILE BETA	4.00
231	ASB	2A	81484	NONVOLATILE BETA	1.50
232	ASB	2A	102284	NONVOLATILE BETA	4.00
233	ASB	BKG	12687	NONVOLATILE BETA	5.00
234	ASB	BKG	12987	NONVOLATILE BETA	2.00
235	ASB	BKG	20789	NONVOLATILE BETA	1.00
236	ASB	BKG	22488	NONVOLATILE BETA	8.67
237	ASB	BKG	31289	NONVOLATILE BETA	14.25
238	ASB	BKG	40687	NONVOLATILE BETA	4.50
239	ASB	BKG	81888	NONVOLATILE BETA	4.00
240	ASB	BKG	72286	NONVOLATILE BETA	1.00
241	ASB	BKG	72386	NONVOLATILE BETA	4.00
242	ASB	BKG	80487	NONVOLATILE BETA	3.00
243	ASB	BKG	110286	NONVOLATILE BETA	1.00
244	ASB	BKG	110386	NONVOLATILE BETA	5.50
245	ASB	BKG	121787	NONVOLATILE BETA	14.00
246	ASB	BKG	121987	NONVOLATILE BETA	3.00
247	ASB	2A	12087	PH	4.00
248	ASB	2A	12688	PH	5.00
249	ASB	2A	21286	PH	4.00
250	ASB	2A	22585	PH	5.00
251	ASB	2A	31389	PH	6.00
252	ASB	2A	32384	PH	5.00
253	ASB	2A	40588	PH	6.00
254	ASB	2A	41184	PH	6.00
255	ASB	2A	41888	PH	5.00
256	ASB	2A	42385	PH	5.00
257	ASB	2A	42587	PH	5.00
258	ASB	2A	70788	PH	5.00
259	ASB	2A	80287	PH	6.00
260	ASB	2A	80586	PH	5.00
261	ASB	2A	81385	PH	5.00
262	ASB	2A	81484	PH	5.00
263	ASB	2A	100288	PH	5.00
264	ASB	2A	101286	PH	5.00
265	ASB	2A	101887	PH	5.00
266	ASB	2A	102284	PH	5.00
267	ASB	2A	102885	PH	4.00
268	ASB	BKG	12687	PH	5.00
269	ASB	BKG	12987	PH	4.00
270	ASB	BKG	20789	PH	5.00

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 88

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
271	ASB	BKG	22488	PH	5.0
272	ASB	BKG	31289	PH	4.0
273	ASB	BKG	40687	PH	4.5
274	ASB	BKG	51088	PH	4.0
275	ASB	BKG	51188	PH	5.0
276	ASB	BKG	61886	PH	5.0
277	ASB	BKG	72286	PH	5.0
278	ASB	BKG	72386	PH	5.0
279	ASB	BKG	80487	PH	5.0
280	ASB	BKG	81388	PH	5.0
281	ASB	BKG	81488	PH	4.0
282	ASB	BKG	90687	PH	5.0
283	ASB	BKG	90887	PH	5.0
284	ASB	BKG	102888	PH	5.0
285	ASB	BKG	110286	PH	4.0
286	ASB	BKG	110386	PH	4.0
287	ASB	BKG	110888	PH	5.0
288	ASB	BKG	121787	PH	4.0
289	ASB	BKG	121987	PH	5.0
290	ASB	2A	12087	SODIUM	2790.0
291	ASB	2A	12688	SODIUM	7040.0
292	ASB	2A	21286	SODIUM	2790.0
293	ASB	2A	22585	SODIUM	3355.0
294	ASB	2A	31389	SODIUM	12300.0
295	ASB	2A	42385	SODIUM	3136.0
296	ASB	2A	70788	SODIUM	8570.0
297	ASB	2A	80287	SODIUM	3910.0
298	ASB	2A	81385	SODIUM	2470.0
299	ASB	2A	81484	SODIUM	2930.0
300	ASB	2A	101286	SODIUM	2790.0
301	ASB	2A	102284	SODIUM	3100.0
302	ASB	2A	102985	SODIUM	4000.0
303	ASB	BKG	12687	SODIUM	4475.0
304	ASB	BKG	12987	SODIUM	1990.0
305	ASB	BKG	20789	SODIUM	1740.0
306	ASB	BKG	22488	SODIUM	2610.0
307	ASB	BKG	31289	SODIUM	2530.0
308	ASB	BKG	40687	SODIUM	2840.0
309	ASB	BKG	51088	SODIUM	3700.0
310	ASB	BKG	51188	SODIUM	1680.0
311	ASB	BKG	61886	SODIUM	2620.0
312	ASB	BKG	72286	SODIUM	1935.0
313	ASB	BKG	72386	SODIUM	4330.0
314	ASB	BKG	80487	SODIUM	2620.0
315	ASB	BKG	81388	SODIUM	1630.0
316	ASB	BKG	81488	SODIUM	3360.0
317	ASB	BKG	102888	SODIUM	1730.0
318	ASB	BKG	110286	SODIUM	1725.0
319	ASB	BKG	110386	SODIUM	3860.0
320	ASB	BKG	110888	SODIUM	3280.0
321	ASB	BKG	121787	SODIUM	3460.0
322	ASB	BKG	121987	SODIUM	1660.0
323	ASB	2A	12087	SPECIFIC CONDUCTANCE	61.0
324	ASB	2A	12688	SPECIFIC CONDUCTANCE	61.0

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 89

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
325	ASB	2A	21286	SPECIFIC CONDUCTANCE	39.0
326	ASB	2A	22585	SPECIFIC CONDUCTANCE	69.0
327	ASB	2A	31389	SPECIFIC CONDUCTANCE	90.0
328	ASB	2A	32384	SPECIFIC CONDUCTANCE	49.0
329	ASB	2A	40588	SPECIFIC CONDUCTANCE	74.0
330	ASB	2A	41184	SPECIFIC CONDUCTANCE	44.0
331	ASB	2A	41886	SPECIFIC CONDUCTANCE	42.0
332	ASB	2A	42385	SPECIFIC CONDUCTANCE	48.0
333	ASB	2A	42587	SPECIFIC CONDUCTANCE	55.0
334	ASB	2A	70788	SPECIFIC CONDUCTANCE	71.0
335	ASB	2A	80287	SPECIFIC CONDUCTANCE	58.0
336	ASB	2A	80586	SPECIFIC CONDUCTANCE	56.0
337	ASB	2A	81385	SPECIFIC CONDUCTANCE	50.0
338	ASB	2A	81484	SPECIFIC CONDUCTANCE	58.0
339	ASB	2A	100288	SPECIFIC CONDUCTANCE	82.0
340	ASB	2A	101286	SPECIFIC CONDUCTANCE	52.0
341	ASB	2A	101887	SPECIFIC CONDUCTANCE	65.0
342	ASB	2A	102284	SPECIFIC CONDUCTANCE	80.0
343	ASB	2A	102985	SPECIFIC CONDUCTANCE	38.0
344	ASB	BKG	12687	SPECIFIC CONDUCTANCE	19.0
345	ASB	BKG	12987	SPECIFIC CONDUCTANCE	28.0
346	ASB	BKG	20788	SPECIFIC CONDUCTANCE	28.0
347	ASB	BKG	22488	SPECIFIC CONDUCTANCE	31.5
348	ASB	BKG	31289	SPECIFIC CONDUCTANCE	35.0
349	ASB	BKG	40687	SPECIFIC CONDUCTANCE	30.0
350	ASB	BKG	51088	SPECIFIC CONDUCTANCE	38.0
351	ASB	BKG	51188	SPECIFIC CONDUCTANCE	24.0
352	ASB	BKG	61886	SPECIFIC CONDUCTANCE	26.0
353	ASB	BKG	72286	SPECIFIC CONDUCTANCE	26.0
354	ASB	BKG	72386	SPECIFIC CONDUCTANCE	40.0
355	ASB	BKG	80487	SPECIFIC CONDUCTANCE	31.0
356	ASB	BKG	81388	SPECIFIC CONDUCTANCE	25.0
357	ASB	BKG	81488	SPECIFIC CONDUCTANCE	36.0
358	ASB	BKG	90687	SPECIFIC CONDUCTANCE	29.0
359	ASB	BKG	90887	SPECIFIC CONDUCTANCE	38.0
360	ASB	BKG	102888	SPECIFIC CONDUCTANCE	25.0
361	ASB	BKG	110286	SPECIFIC CONDUCTANCE	32.0
362	ASB	BKG	110386	SPECIFIC CONDUCTANCE	43.0
363	ASB	BKG	110888	SPECIFIC CONDUCTANCE	35.0
364	ASB	BKG	121787	SPECIFIC CONDUCTANCE	28.0
365	ASB	BKG	121987	SPECIFIC CONDUCTANCE	20.0
366	ASB	2A	12087	SULFATE	6000.0
367	ASB	2A	12688	SULFATE	2500.0
368	ASB	2A	21286	SULFATE	8000.0
369	ASB	2A	22585	SULFATE	2500.0
370	ASB	2A	31389	SULFATE	13400.0
371	ASB	2A	70788	SULFATE	9400.0
372	ASB	2A	81484	SULFATE	11000.0
373	ASB	2A	102284	SULFATE	2500.0
374	ASB	2A	12087	TETRACHLOROETHYLENE	0.5
375	ASB	2A	12688	TETRACHLOROETHYLENE	1.0
376	ASB	2A	31389	TETRACHLOROETHYLENE	2.5
377	ASB	2A	42587	TETRACHLOROETHYLENE	1.0
378	ASB	2A	70788	TETRACHLOROETHYLENE	2.0

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 90

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
379	ASB	2A	80287	TETRACHLOROETHYLENE	0.50
380	ASB	2A	101286	TETRACHLOROETHYLENE	2.50
381	ASB	2A	101887	TETRACHLOROETHYLENE	0.50
382	ASB	2A	12087	TOTAL DISSOLVED SOLIDS	18000.00
383	ASB	2A	31389	TOTAL DISSOLVED SOLIDS	42000.00
384	ASB	2A	81484	TOTAL DISSOLVED SOLIDS	30000.00
385	ASB	2A	102284	TOTAL DISSOLVED SOLIDS	22000.00
386	ASB	BKG	12687	TOTAL DISSOLVED SOLIDS	22000.00
387	ASB	BKG	12987	TOTAL DISSOLVED SOLIDS	32000.00
388	ASB	BKG	20789	TOTAL DISSOLVED SOLIDS	2500.00
389	ASB	BKG	22488	TOTAL DISSOLVED SOLIDS	24000.00
390	ASB	BKG	31289	TOTAL DISSOLVED SOLIDS	23000.00
391	ASB	BKG	40887	TOTAL DISSOLVED SOLIDS	28400.00
392	ASB	BKG	51088	TOTAL DISSOLVED SOLIDS	40000.00
393	ASB	BKG	51188	TOTAL DISSOLVED SOLIDS	26000.00
394	ASB	BKG	80487	TOTAL DISSOLVED SOLIDS	64000.00
395	ASB	BKG	81388	TOTAL DISSOLVED SOLIDS	28000.00
396	ASB	BKG	81488	TOTAL DISSOLVED SOLIDS	31000.00
397	ASB	BKG	102888	TOTAL DISSOLVED SOLIDS	112000.00
398	ASB	BKG	110888	TOTAL DISSOLVED SOLIDS	59000.00
399	ASB	BKG	121787	TOTAL DISSOLVED SOLIDS	9000.00
400	ASB	BKG	121987	TOTAL DISSOLVED SOLIDS	52000.00
401	ASB	2A	12087	TOTAL ORGANIC HALOGENS	2.50
402	ASB	2A	12688	TOTAL ORGANIC HALOGENS	2.50
403	ASB	2A	21286	TOTAL ORGANIC HALOGENS	6.00
404	ASB	2A	22585	TOTAL ORGANIC HALOGENS	2.50
405	ASB	2A	31389	TOTAL ORGANIC HALOGENS	6.00
406	ASB	2A	42385	TOTAL ORGANIC HALOGENS	2.50
407	ASB	2A	70788	TOTAL ORGANIC HALOGENS	17.00
408	ASB	2A	80287	TOTAL ORGANIC HALOGENS	2.50
409	ASB	2A	80586	TOTAL ORGANIC HALOGENS	5.50
410	ASB	2A	81385	TOTAL ORGANIC HALOGENS	13.00
411	ASB	2A	101286	TOTAL ORGANIC HALOGENS	2.50
412	ASB	2A	102885	TOTAL ORGANIC HALOGENS	9.50
413	ASB	BKG	12687	TOTAL PHOSPHATES	30.00
414	ASB	BKG	12987	TOTAL PHOSPHATES	40.00
415	ASB	BKG	20789	TOTAL PHOSPHATES	10.00
416	ASB	BKG	31289	TOTAL PHOSPHATES	13.67
417	ASB	BKG	40887	TOTAL PHOSPHATES	10.00
418	ASB	BKG	51088	TOTAL PHOSPHATES	30.00
419	ASB	BKG	51188	TOTAL PHOSPHATES	40.00
420	ASB	BKG	61886	TOTAL PHOSPHATES	9.50
421	ASB	BKG	72286	TOTAL PHOSPHATES	39.00
422	ASB	BKG	72386	TOTAL PHOSPHATES	42.00
423	ASB	BKG	80487	TOTAL PHOSPHATES	15.00
424	ASB	BKG	81388	TOTAL PHOSPHATES	10.00
425	ASB	BKG	81488	TOTAL PHOSPHATES	10.00
426	ASB	BKG	102888	TOTAL PHOSPHATES	10.00
427	ASB	BKG	110286	TOTAL PHOSPHATES	39.50
428	ASB	BKG	110386	TOTAL PHOSPHATES	37.00
429	ASB	BKG	110888	TOTAL PHOSPHATES	60.00
430	ASB	BKG	121787	TOTAL PHOSPHATES	70.00
431	ASB	BKG	121987	TOTAL PHOSPHATES	100.00
432	ASB	2A	12087	TOTAL RADIUM	5.00

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 91

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
433	ASB	2A	12688	TOTAL RADIUM	4.000
434	ASB	2A	21286	TOTAL RADIUM	6.000
435	ASB	2A	22585	TOTAL RADIUM	5.000
436	ASB	2A	31389	TOTAL RADIUM	2.250
437	ASB	2A	70788	TOTAL RADIUM	3.000
438	ASB	2A	80287	TOTAL RADIUM	5.000
439	ASB	2A	80586	TOTAL RADIUM	4.500
440	ASB	2A	81484	TOTAL RADIUM	5.000
441	ASB	2A	102284	TOTAL RADIUM	4.000
442	ASB	BKG	12687	TOTAL RADIUM	7.000
443	ASB	BKG	12987	TOTAL RADIUM	0.500
444	ASB	BKG	20789	TOTAL RADIUM	1.000
445	ASB	BKG	22488	TOTAL RADIUM	4.833
446	ASB	BKG	31289	TOTAL RADIUM	12.000
447	ASB	BKG	40687	TOTAL RADIUM	4.250
448	ASB	BKG	51088	TOTAL RADIUM	6.000
449	ASB	BKG	51188	TOTAL RADIUM	0.500
450	ASB	BKG	61886	TOTAL RADIUM	4.500
451	ASB	BKG	72286	TOTAL RADIUM	1.000
452	ASB	BKG	72386	TOTAL RADIUM	9.000
453	ASB	BKG	80487	TOTAL RADIUM	3.500
454	ASB	BKG	81388	TOTAL RADIUM	1.000
455	ASB	BKG	81488	TOTAL RADIUM	7.000
456	ASB	BKG	102888	TOTAL RADIUM	0.500
457	ASB	BKG	110286	TOTAL RADIUM	0.500
458	ASB	BKG	110386	TOTAL RADIUM	7.500
459	ASB	BKG	110888	TOTAL RADIUM	6.000
460	ASB	BKG	121787	TOTAL RADIUM	6.000
461	ASB	BKG	121987	TOTAL RADIUM	0.000
462	ASB	BKG	40687	TURBIDITY	0.000
463	ASB	BKG	61886	TURBIDITY	0.667
464	ASB	BKG	80487	TURBIDITY	0.500
465	ASB	BKG	121787	TURBIDITY	0.000
466	ASB	BKG	121987	TURBIDITY	0.000
467	ASB	2A	12087	ZINC	42.000
468	ASB	2A	41886	ZINC	1.000
469	ASB	2A	81484	ZINC	11.000
470	ASB	2A	102284	ZINC	129.000
471	ASB	BKG	12687	ZINC	7.000
472	ASB	BKG	12987	ZINC	8.667
473	ASB	BKG	20789	ZINC	17.000
474	ASB	BKG	31289	ZINC	11.000
475	ASB	BKG	51088	ZINC	6.000
476	ASB	BKG	51188	ZINC	11.000
477	ASB	BKG	61886	ZINC	9.750
478	ASB	BKG	72286	ZINC	15.500
479	ASB	BKG	72386	ZINC	2.000
480	ASB	BKG	80487	ZINC	46.500
481	ASB	BKG	81388	ZINC	49.000
482	ASB	BKG	81488	ZINC	24.000
483	ASB	BKG	102888	ZINC	44.000
484	ASB	BKG	110286	ZINC	8.000
485	ASB	BKG	110386	ZINC	11.333
486	ASB	BKG	110888	ZINC	12.000

T-Test Data for ASB2A

SAS 13:46 Saturday, August 5, 1989 92

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
487	ASB	BKG	121787	ZINC	54
488	ASB	BKG	121987	ZINC	17

Statistical Comparison Results

TTEST PROCEDURE

***** TESTNAME=BARIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	6	15.00000000	3.09838668	1.26491106	11.00000000	18.00000000
BKG	19	5.78070175	3.06365222	0.70285002	2.00000000	14.00000000

Variances	T	Method	DF	Prob> T
Unequal	6.3710	Satterthwaite	8.3	0.0002
		Cochran		0.0009
Equal	6.4101		23.0	0.0000

For H0: Variances are equal, F' = 1.02 DF = (5,18) Prob>F' = 0.8671

***** TESTNAME=CHLORIDE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	8	6787.500000	658.8897588	232.9527083	6200.000000	7790.000000
BKG	18	2553.148148	535.2422605	126.1578107	2000.000000	4166.666667

Variances	T	Method	DF	Prob> T
Unequal	15.9835	Satterthwaite	11.3	0.0001
		Cochran		0.0001
Equal	17.3589		24.0	0.0000

For H0: Variances are equal, F' = 1.52 DF = (7,17) Prob>F' = 0.4557

***** TESTNAME=GROSS ALPHA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	10	6.50000000	5.10990324	1.61589329	2.00000000	20.00000000
BKG	14	7.35714286	7.53562865	2.01398174	1.00000000	23.75000000

Variances	T	Method	DF	Prob> T
Unequal	-0.3320	Satterthwaite	22.0	0.7431
		Cochran		0.7461
Equal	-0.3113		22.0	0.7585

For H0: Variances are equal, F' = 2.17 DF = (13,9) Prob>F' = 0.2463

***** TESTNAME=IRON *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	9	41.83333333	10.33198916	3.44399639	34.00000000	60.00000000
BKG	10	38.35000000	15.21420105	4.81115281	18.50000000	78.50000000

Variances	T	Method	DF	Prob> T
Unequal	0.9267	Satterthwaite	15.9	0.3679
		Cochran		0.3782
Equal	0.9079		17.0	0.3788

For H0: Variances are equal, F' = 2.17 DF = (9,8) Prob>F' = 0.2894

***** TESTNAME=LEAD *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	13	10.42307692	7.02331283	1.94791650	3.00000000	26.00000000
BKG	20	12.48333333	7.15919643	1.60084499	3.00000000	28.33333333

Variances	T	Method	DF	Prob> T
Unequal	-0.8171	Satterthwaite	26.1	0.4212
		Cochran	.	0.4275
Equal	-0.8137		31.0	0.4220

For H0: Variances are equal, F' = 1.04 DF = (19,12) Prob>F' = 0.9740

***** TESTNAME=MANGANESE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	10	41.80000000	20.87688781	6.60185159	10.50000000	74.00000000
BKG	14	12.05952381	7.11703360	1.90210724	3.00000000	24.50000000

Variances	T	Method	DF	Prob> T
Unequal	4.3288	Satterthwaite	10.5	0.0013
		Cochran	.	0.0018
Equal	4.9778		22.0	0.0001

For H0: Variances are equal, F' = 8.60 DF = (9,13) Prob>F' = 0.0007

***** TESTNAME=NITRATE AS NITROGEN *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	6	258.250000	175.2608770	71.5499534	120.0000000	600.000000
BKG	20	1647.566667	538.2189613	120.3494184	880.0000000	3040.000000

Variances	T	Method	DF	Prob> T
Unequal	-9.9228	Satterthwaite	23.6	0.0001
		Cochran	.	0.0001
Equal	-6.1475		24.0	0.0000

For H0: Variances are equal, F' = 9.43 DF = (19,5) Prob>F' = 0.0207

***** TESTNAME=NONVOLATILE BETA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	8	5.65825000	5.91447604	2.09108308	1.50000000	20.00000000
BKG	14	5.08547819	4.36284068	1.16801822	1.00000000	14.25000000

Variances	T	Method	DF	Prob> T
Unequal	0.2468	Satterthwaite	11.4	0.8095
		Cochran	.	0.8114
Equal	0.2587		20.0	0.7809

For H0: Variances are equal, F' = 1.84 DF = (7,13) Prob>F' = 0.3258

***** TESTNAME-PH *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	21	5.04761905	0.58959227	0.12865958	4.00000000	6.00000000
BKG	22	4.65909091	0.47274184	0.10078890	4.00000000	5.00000000

Variances	T	Method	DF	Prob> T
Unequal	2.3772	Satterthwaite	38.3	0.0225
		Cochran		0.0273
Equal	2.3896		41.0	0.0215

For H0: Variances are equal, F' = 1.56 DF = (20,21) Prob>F' = 0.3226

***** TESTNAME-SODIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	13	4552.384615	2956.751414	820.0552847	2470.000000	12300.00000
BKG	20	2689.750000	939.937673	210.1764531	1630.000000	4475.00000

Variances	T	Method	DF	Prob> T
Unequal	2.2002	Satterthwaite	13.6	0.0457
		Cochran		0.0477
Equal	2.6388		31.0	0.0129

For H0: Variances are equal, F' = 9.90 DF = (12,19) Prob>F' = 0.0000

***** TESTNAME-SPECIFIC CONDUCTANCE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	21	59.14285714	14.45090210	3.15344537	38.00000000	90.00000000
BKG	22	30.34090909	6.32340018	1.34815344	19.00000000	43.00000000

Variances	T	Method	DF	Prob> T
Unequal	8.3982	Satterthwaite	27.1	0.0001
		Cochran		0.0001
Equal	8.5351		41.0	0.0000

For H0: Variances are equal, F' = 5.22 DF = (20,21) Prob>F' = 0.0004

***** TESTNAME-TOTAL DISSOLVED SOLIDS *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	4	28000.00000	10583.00524	5291.502622	18000.00000	42000.0000
BKG	15	36880.00000	26689.90713	6891.304390	2500.00000	112000.0000

Variances	T	Method	DF	Prob> T
Unequal	-1.0197	Satterthwaite	13.5	0.3258
		Cochran		0.3492
Equal	-0.6394		17.0	0.5311

For H0: Variances are equal, F' = 6.36 DF = (14,3) Prob>F' = 0.1535

***** TESTNAME-TOTAL RADIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	10	4.37500000	1.10082040	0.34810998	2.25000000	6.00000000
BKG	20	4.12916667	3.43490798	0.76806877	0.00000000	12.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.2915	Satterthwaite	25.3	0.7730
		Cochran	.	0.7744
Equal	0.2191		28.0	0.8282

For H0: Variances are equal, F' = 9.74 DF = (19,9) Prob>F' = 0.0014

***** TESTNAME-ZINC *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
2A	4	45.75000000	58.18003667	29.09001833	1.00000000	129.00000000
BKG	18	19.65277778	16.61846584	3.91700996	2.00000000	54.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.8891	Satterthwaite	3.1	0.4378
		Cochran	.	0.4386
Equal	1.7326		20.0	0.0986

For H0: Variances are equal, F' = 12.26 DF = (3,17) Prob>F' = 0.0003

Groundwater Monitoring Well

ASB 3A

Raw Data

Raw Data for ASB 3A

ASB 3A 081584 SILVER	LT	2.0000	UGL	EE
ASB 3A 081584 GROSS ALPHA		6.0000	PCL	CP
ASB 3A 081584 ARSENIC	LT	1.0000	UGL	EE
ASB 3A 081584 BARIUM		21.0000	UGL	EE
ASB 3A 081584 BERYLLIUM	LT	2.0000	UGL	EE
ASB 3A 081584 NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB 3A 081584 CADMIUM	LT	2.0000	UGL	EE
ASB 3A 081584 CHLORIDE		7520.0000	UGL	EE
ASB 3A 081584 COLOR		13.0000	APC	EE
ASB 3A 081584 SPECIFIC CONDUCTANCE		79.0000	UMHC	FD
ASB 3A 081584 CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 081584 COPPER	LT	4.0000	UGL	EE
ASB 3A 081584 CYANIDE	LT	5.0000	UGL	EE
ASB 3A 081584 DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 3A 081584 FLUORIDE		120.0000	UGL	EE
ASB 3A 081584 IRON		41.0000	UGL	EE
ASB 3A 081584 GC SCAN	LT	40.0000	UGL	EE
ASB 3A 081584 MERCURY		0.2900	UGL	EE
ASB 3A 081584 MANGANESE		15.0000	UGL	EE
ASB 3A 081584 SODIUM		3580.0000	UGL	EE
ASB 3A 081584 NICKEL	LT	4.0000	UGL	EE
ASB 3A 081584 NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 3A 081584 NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 3A 081584 ODOR		0.0000	THON	EE
ASB 3A 081584 LEAD	LT	4.0000	UGL	EE
ASB 3A 081584 PH		5.4000	PH	FD
ASB 3A 081584 PHENOLS		7.0000	UGL	EE
ASB 3A 081584 SELENIUM	LT	1.0000	UGL	EE
ASB 3A 081584 SILVEX	LT	2.0000	UGL	EE
ASB 3A 081584 SULFATE	LT	10000.0000	UGL	EE
ASB 3A 081584 SULFATE	LT	10000.0000	UGL	EE
ASB 3A 081584 SULFIDE	LT	1000.0000	UGL	EE
ASB 3A 081584 SURFACTANTS	LT	10.0000	UGL	EE
ASB 3A 081584 TOTAL DISSOLVED SOLIDS		40000.0000	UGL	EE
ASB 3A 081584 TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 3A 081584 TOTAL RADIUM		6.0000	PCL	CP
ASB 3A 081584 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	MM
ASB 3A 081584 TURBIDITY		85.0000	TU	EE
ASB 3A 081584 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 3A 081584 ZINC		42.0000	UGL	EE
ASB 3A 102284 SILVER	LT	2.0000	UGL	EE
ASB 3A 102284 SILVER	LT	2.0000	UGL	EE
ASB 3A 102284 GROSS ALPHA	LT	2.0000	PCL	CP
ASB 3A 102284 ARSENIC	LT	1.0000	UGL	EE
ASB 3A 102284 ARSENIC	LT	1.0000	UGL	EE
ASB 3A 102284 BARIUM		21.0000	UGL	EE
ASB 3A 102284 BARIUM		20.0000	UGL	EE
ASB 3A 102284 BERYLLIUM	LT	2.0000	UGL	EE
ASB 3A 102284 BERYLLIUM	LT	2.0000	UGL	EE
ASB 3A 102284 NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB 3A 102284 CADMIUM	LT	2.0000	UGL	EE
ASB 3A 102284 CADMIUM	LT	2.0000	UGL	EE
ASB 3A 102284 CHLORIDE		5300.0000	UGL	EE
ASB 3A 102284 COLOR		0.0000	APC	EE
ASB 3A 102284 SPECIFIC CONDUCTANCE		92.0000	UMHC	FD
ASB 3A 102284 CORROSIVITY		0.0021	MMY	EE
ASB 3A 102284 CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 102284 CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 102284 COPPER	LT	4.0000	UGL	EE
ASB 3A 102284 COPPER	LT	4.0000	UGL	EE
ASB 3A 102284 CYANIDE	LT	5.0000	UGL	EE
ASB 3A 102284 DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 3A 102284 ENDRIN	LT	0.0400	UGL	EE
ASB 3A 102284 ENDRIN	LT	0.0400	UGL	EE

Raw Data for ASB 3A

ASB 3A 102284 FLUORIDE	LT	100.0000 UGL	EE
ASB 3A 102284 IRON		33.0000 UGL	EE
ASB 3A 102284 IRON		36.0000 UGL	EE
ASB 3A 102284 GC SCAN	LT	40.0000 UGL	EE
ASB 3A 102284 MERCURY	LT	0.2000 UGL	EE
ASB 3A 102284 LINDANE	LT	1.0000 UGL	EE
ASB 3A 102284 LINDANE	LT	1.0000 UGL	EE
ASB 3A 102284 METHOXYCHLOR	LT	20.0000 UGL	EE
ASB 3A 102284 METHOXYCHLOR	LT	20.0000 UGL	EE
ASB 3A 102284 MANGANESE		13.0000 UGL	EE
ASB 3A 102284 MANGANESE		12.0000 UGL	EE
ASB 3A 102284 SODIUM		2780.0000 UGL	EE
ASB 3A 102284 SODIUM		3030.0000 UGL	EE
ASB 3A 102284 NICKEL	LT	4.0000 UGL	EE
ASB 3A 102284 NICKEL	LT	4.0000 UGL	EE
ASB 3A 102284 NITRITE AS NITROGEN	LT	500.0000 UGL	EE
ASB 3A 102284 NITRITE AS NITROGEN	LT	500.0000 UGL	EE
ASB 3A 102284 NITRATE AS NITROGEN	LT	500.0000 UGL	EE
ASB 3A 102284 NITRATE AS NITROGEN	LT	500.0000 UGL	EE
ASB 3A 102284 ODOR		0.0000 THON	EE
ASB 3A 102284 LEAD	LT	4.0000 UGL	EE
ASB 3A 102284 LEAD	LT	4.0000 UGL	EE
ASB 3A 102284 PH		5.4000 PH	FD
ASB 3A 102284 PHENOLS	LT	2.0000 UGL	EE
ASB 3A 102284 PHENOLS	LT	2.0000 UGL	EE
ASB 3A 102284 SELENIUM	LT	1.0000 UGL	EE
ASB 3A 102284 SELENIUM	LT	1.0000 UGL	EE
ASB 3A 102284 SILVER	LT	2.0000 UGL	EE
ASB 3A 102284 SULFATE	LT	5000.0000 UGL	EE
ASB 3A 102284 SULFATE	LT	5000.0000 UGL	EE
ASB 3A 102284 SULFIDE	LT	1000.0000 UGL	EE
ASB 3A 102284 SURFACTANTS	LT	10.0000 UGL	EE
ASB 3A 102284 TOTAL DISSOLVED SOLIDS		16000.0000 UGL	EE
ASB 3A 102284 TOTAL ORGANIC CARBON	LT	5000.0000 UGL	EE
ASB 3A 102284 TOTAL RADIUM	LT	1.0000 PCL	CP
ASB 3A 102284 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	MM
ASB 3A 102284 TURBIDITY		6.5000 TU	EE
ASB 3A 102284 TOXAPHENE	LT	1.0000 UGL	EE
ASB 3A 102284 TOXAPHENE	LT	1.0000 UGL	EE
ASB 3A 102284 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000 UGL	EE
ASB 3A 102284 ZINC		304.0000 UGL	EE
ASB 3A 102284 ZINC		298.0000 UGL	EE
ASB 3A 022585 SILVER	LT	2.0000 UGL	EE
ASB 3A 022585 SILVER	LT	2.0000 UGL	EE
ASB 3A 022585 GROSS ALPHA		15.0000 PCL	CP
ASB 3A 022585 ARSENIC	LT	1.0000 UGL	EE
ASB 3A 022585 ARSENIC	LT	1.0000 UGL	EE
ASB 3A 022585 BARIUM		26.0000 UGL	EE
ASB 3A 022585 BARIUM		25.0000 UGL	EE
ASB 3A 022585 NONVOLATILE BETA		11.0000 PCL	CP
ASB 3A 022585 CADMIUM	LT	2.0000 UGL	EE
ASB 3A 022585 CADMIUM	LT	2.0000 UGL	EE
ASB 3A 022585 CHLORIDE		7280.0000 UGL	EE
ASB 3A 022585 SPECIFIC CONDUCTANCE		70.0000 UMBC	FD
ASB 3A 022585 CHROMIUM	LT	4.0000 UGL	EE
ASB 3A 022585 CHROMIUM	LT	4.0000 UGL	EE
ASB 3A 022585 ENDRIN	LT	0.0400 UGL	EE
ASB 3A 022585 FLUORIDE	LT	100.0000 UGL	EE
ASB 3A 022585 IRON		85.0000 UGL	EE
ASB 3A 022585 IRON	LT	4.0000 UGL	EE
ASB 3A 022585 MERCURY		0.4100 UGL	EE
ASB 3A 022585 LINDANE	LT	1.0000 UGL	EE
ASB 3A 022585 METHOXYCHLOR	LT	20.0000 UGL	EE
ASB 3A 022585 MANGANESE		6.0000 UGL	EE

Raw Data for ASB 3A

ASB	3A	022585	SODIUM		3080.0000	UGL	EE
ASB	3A	022585	SODIUM		3010.0000	UGL	EE
ASB	3A	022585	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB	3A	022585	LEAD	LT	4.0000	UGL	EE
ASB	3A	022585	LEAD	LT	4.0000	UGL	EE
ASB	3A	022585	PH		4.9000	PH	FD
ASB	3A	022585	PHENOLS	LT	2.0000	UGL	EE
ASB	3A	022585	SELENIUM	LT	1.0000	UGL	EE
ASB	3A	022585	SELENIUM	LT	1.0000	UGL	EE
ASB	3A	022585	SILVEX	LT	2.0000	UGL	EE
ASB	3A	022585	SULFATE	LT	5000.0000	UGL	EE
ASB	3A	022585	TOTAL ORGANIC CARBON		295.0000	UGL	EE
ASB	3A	022585	TOTAL RADIUM		4.0000	PCL	CP
ASB	3A	022585	TOTAL ORGANIC HALOGENS		25.1000	UGL	EE
ASB	3A	022585	TURBIDITY		2.2000	TU	EE
ASB	3A	022585	TOXAPHENE	LT	1.0000	UGL	EE
ASB	3A	022585	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB	3A	042385	SPECIFIC CONDUCTANCE		42.0000	UMHC	FD
ASB	3A	042385	CHROMIUM	LT	4.0000	UGL	EE
ASB	3A	042385	MERCURY	LT	0.2000	UGL	EE
ASB	3A	042385	SODIUM		2518.0000	UGL	EE
ASB	3A	042385	LEAD	LT	4.0000	UGL	EE
ASB	3A	042385	PH		5.4000	PH	FD
ASB	3A	042385	TOTAL ORGANIC CARBON		536.0000	UGL	EE
ASB	3A	042385	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB	3A	081385	SPECIFIC CONDUCTANCE		45.0000	UMHC	FD
ASB	3A	081385	CHROMIUM	LT	4.0000	UGL	EE
ASB	3A	081385	MERCURY	LT	0.2000	UGL	EE
ASB	3A	081385	SODIUM		2200.0000	UGL	EE
ASB	3A	081385	LEAD	LT	10.0000	UGL	EE
ASB	3A	081385	PH		5.4000	PH	FD
ASB	3A	081385	TOTAL ORGANIC CARBON		350.0000	UGL	EE
ASB	3A	081385	TOTAL ORGANIC HALOGENS		10.0000	UGL	EE
ASB	3A	102985	SPECIFIC CONDUCTANCE		35.0000	UMHC	FD
ASB	3A	102985	CHROMIUM	LT	4.0000	UGL	EE
ASB	3A	102985	MERCURY	LT	0.2000	UGL	EE
ASB	3A	102985	SODIUM		3380.0000	UGL	EE
ASB	3A	102985	LEAD	LT	5.0000	UGL	EE
ASB	3A	102985	PH		5.0000	PH	FD
ASB	3A	102985	TOTAL ORGANIC CARBON		430.0000	UGL	EE
ASB	3A	102985	TOTAL ORGANIC CARBON		440.0000	UGL	EE
ASB	3A	102985	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB	3A	021286	GROSS ALPHA		18.0000	PCL	CP
ASB	3A	021286	NONVOLATILE BETA		21.0000	PCL	CP
ASB	3A	021286	CHLORIDE		6400.0000	UGL	EE
ASB	3A	021286	SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB	3A	021286	IRON		64.0000	UGL	EE
ASB	3A	021286	MERCURY		0.4800	UGL	EE
ASB	3A	021286	MANGANESE		11.0000	UGL	EE
ASB	3A	021286	SODIUM		4260.0000	UGL	EE
ASB	3A	021286	PH		4.7000	PH	FD
ASB	3A	021286	PHENOLS	LT	2.0000	UGL	EE
ASB	3A	021286	SULFATE	LT	5000.0000	UGL	EE
ASB	3A	021286	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	3A	021286	TOTAL RADIUM		11.0000	PCL	CP
ASB	3A	021286	TOTAL ORGANIC HALOGENS		5.0000	UGL	EE
ASB	3A	021286	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB	3A	041686	SPECIFIC CONDUCTANCE		51.0000	UMHC	FD
ASB	3A	041686	CHROMIUM	LT	4.0000	UGL	EE
ASB	3A	041686	NICKEL		4.0000	UGL	EE
ASB	3A	041686	LEAD		18.0000	UGL	EE
ASB	3A	041686	PH		5.2000	PH	FD
ASB	3A	041686	ZINC		19.0000	UGL	EE
ASB	3A	080586	GROSS ALPHA		22.9000	PCL	RM

Raw Data for ASB 3A

ASB 3A 080586	SPECIFIC CONDUCTANCE		48.0000	UMHC	FD
ASB 3A 080586	SPECIFIC CONDUCTANCE		41.6000	UMHC	EE
ASB 3A 080586	CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 080586	MANGANESE		10.0000	UGL	EE
ASB 3A 080586	LEAD		7.0000	UGL	EE
ASB 3A 080586	PH		4.8000	PH	FD
ASB 3A 080586	PH		5.6000	PH	EE
ASB 3A 080586	TOTAL ORGANIC CARBON		3000.0000	UGL	EE
ASB 3A 080586	TOTAL RADIUM		5.5000	PCL	RM
ASB 3A 080586	TOTAL ORGANIC HALOGENS		6.0000	UGL	EE
ASB 3A 101286	BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB 3A 101286	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB 3A 101286	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB 3A 101286	BROMOFORM	LT	10.0000	UGL	EE
ASB 3A 101286	CHLOROFORM	LT	5.0000	UGL	EE
ASB 3A 101286	BROMOMETHANE	LT	10.0000	UGL	EE
ASB 3A 101286	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB 3A 101286	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB 3A 101286	SPECIFIC CONDUCTANCE		55.0000	UMHC	FD
ASB 3A 101286	CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 101286	CHLOROETHENE	LT	10.0000	UGL	EE
ASB 3A 101286	CHLOROETHANE	LT	10.0000	UGL	EE
ASB 3A 101286	BENZENE	LT	5.0000	UGL	EE
ASB 3A 101286	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB 3A 101286	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB 3A 101286	TOLUENE-D8		99.0000	PER	EE
ASB 3A 101286	TOLUENE	LT	5.0000	UGL	EE
ASB 3A 101286	SODIUM		3170.0000	UGL	EE
ASB 3A 101286	P-BROMOFLUOROBENZENE		98.0000	PER	EE
ASB 3A 101286	PH		5.1000	PH	FD
ASB 3A 101286	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB 3A 101286	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB 3A 101286	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 3A 101286	TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB 3A 101286	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB 3A 101286	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB 3A 101286	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB 3A 101286	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB 3A 101286	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB 3A 101286	1,2-DICHLOROETHANE-D4		89.0000	PER	EE
ASB 3A 101286	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB 3A 101286	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB 3A 101286	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB 3A 101286	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB 3A 101286	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB 3A 020387	SILVER	LT	2.0000	UGL	EE
ASB 3A 020387	GROSS ALPHA		5.7000	PCL	RM
ASB 3A 020387	GROSS ALPHA		6.3000	PCL	RM
ASB 3A 020387	ARSENIC	LT	2.0000	UGL	EE
ASB 3A 020387	ARSENIC	LT	2.0000	UGL	EE
ASB 3A 020387	BARIUM		30.0000	UGL	EE
ASB 3A 020387	NONVOLATILE BETA		3.9000	PCL	RM
ASB 3A 020387	NONVOLATILE BETA		5.5000	PCL	RM
ASB 3A 020387	CALCIUM		4460.0000	UGL	EE
ASB 3A 020387	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 020387	CADMIUM	LT	2.0000	UGL	EE
ASB 3A 020387	CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 020387	CHLORIDE		5600.0000	UGL	EE
ASB 3A 020387	SPECIFIC CONDUCTANCE		53.0000	UMHC	FD
ASB 3A 020387	CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 020387	COPPER	LT	4.0000	UGL	EE
ASB 3A 020387	FLUORIDE	LT	100.0000	UGL	EE
ASB 3A 020387	IRON		37.0000	UGL	EE
ASB 3A 020387	MERCURY	LT	0.2000	UGL	EE

Raw Data for ASB 3A

ASB 3A 020387 POTASSIUM		530.0000	UGL	EE
ASB 3A 020387 MAGNESIUM		1230.0000	UGL	EE
ASB 3A 020387 MANGANESE		10.0000	UGL	EE
ASB 3A 020387 SODIUM		2870.0000	UGL	EE
ASB 3A 020387 NICKEL		6.0000	UGL	EE
ASB 3A 020387 NITRATE AS NITROGEN		70.0000	UGL	EE
ASB 3A 020387 LEAD		6.0000	UGL	EE
ASB 3A 020387 PH		5.9000	PH	FD
ASB 3A 020387 PHENOLS	LT	2.0000	UGL	EE
ASB 3A 020387 SELENIUM	LT	2.0000	UGL	EE
ASB 3A 020387 SELENIUM	LT	2.0000	UGL	EE
ASB 3A 020387 SILICA		2700.0000	UGL	EE
ASB 3A 020387 SILICA		2700.0000	UGL	EE
ASB 3A 020387 SULFATE		11600.0000	UGL	EE
ASB 3A 020387 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 020387 TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB 3A 020387 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 3A 020387 TOTAL RADIUM		5.3000	PCL	RM
ASB 3A 020387 TOTAL RADIUM		5.2000	PCL	RM
ASB 3A 020387 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 3A 020387 TOTAL PHOSPHATES		30.0000	UGL	EE
ASB 3A 020387 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 020387 TRITIUM		6.2400	PCML	RM
ASB 3A 020387 TRITIUM		6.0200	PCML	RM
ASB 3A 020387 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 3A 020387 ZINC		2.0000	UGL	EE
ASB 3A 042587 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 042587 CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 042587 SPECIFIC CONDUCTANCE		44.0000	UMHC	FD
ASB 3A 042587 PH		5.7000	PH	FD
ASB 3A 042587 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 042587 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 042587 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 3A 080287 GROSS ALPHA		3.4000	PCL	RM
ASB 3A 080287 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 080287 CARBON TETRACHLORIDE		106.0000	PER	EE
ASB 3A 080287 CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 080287 CHLOROFORM		101.0000	PER	EE
ASB 3A 080287 SPECIFIC CONDUCTANCE		37.0000	UMHC	FD
ASB 3A 080287 CHROMIUM	LT	4.0000	UGL	EE
ASB 3A 080287 IRON		57.0000	UGL	EE
ASB 3A 080287 MANGANESE		10.0000	UGL	EE
ASB 3A 080287 SODIUM		2430.0000	UGL	EE
ASB 3A 080287 LEAD		23.0000	UGL	EE
ASB 3A 080287 PH		6.3000	PH	FD
ASB 3A 080287 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 080287 TETRACHLOROETHYLENE		115.0000	PER	EE
ASB 3A 080287 TOTAL ORGANIC CARBON		2000.0000	UGL	EE
ASB 3A 080287 TOTAL RADIUM		4.6000	PCL	RM
ASB 3A 080287 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 3A 080287 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 080287 TRICHLOROETHYLENE		115.0000	PER	EE
ASB 3A 080287 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 3A 080287 1,1,1-TRICHLOROETHANE		105.0000	PER	EE
ASB 3A 101887 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 101887 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 101887 CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 101887 CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 101887 SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB 3A 101887 PH		5.6000	PH	FD
ASB 3A 101887 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 101887 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 101887 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 101887 TRICHLOROETHYLENE	LT	1.0000	UGL	EE

Raw Data for ASB 3A

ASB 3A 101887 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 3A 101887 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 3A 012688 GROSS ALPHA		14.3000 PCL	EE
ASB 3A 012688 GROSS ALPHA		10.5000 PCL	EE
ASB 3A 012688 NONVOLATILE BETA		9.8000 PCL	EE
ASB 3A 012688 NONVOLATILE BETA		8.1000 PCL	EE
ASB 3A 012688 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 3A 012688 CARBON TETRACHLORIDE		112.0000 PER	EE
ASB 3A 012688 CADMIUM	LT	2.0000 UGL	EE
ASB 3A 012688 CHLOROFORM	LT	1.0000 UGL	EE
ASB 3A 012688 CHLOROFORM		105.0000 PER	EE
ASB 3A 012688 CHLORIDE		4000.0000 UGL	EE
ASB 3A 012688 SPECIFIC CONDUCTANCE		35.0000 UMHC	FD
ASB 3A 012688 COPPER	LT	4.0000 UGL	EE
ASB 3A 012688 IRON		55.0000 UGL	EE
ASB 3A 012688 MERCURY	LT	0.2000 UGL	EE
ASB 3A 012688 MANGANESE		6.0000 UGL	EE
ASB 3A 012688 SODIUM		2720.0000 UGL	EE
ASB 3A 012688 NICKEL	LT	4.0000 UGL	EE
ASB 3A 012688 LEAD	LT	6.0000 UGL	EE
ASB 3A 012688 PH		5.1000 PH	FD
ASB 3A 012688 SULFATE	LT	5000.0000 UGL	EE
ASB 3A 012688 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 3A 012688 TETRACHLOROETHYLENE		109.0000 PER	EE
ASB 3A 012688 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 3A 012688 TOTAL RADIUM		4.3000 PCL	EE
ASB 3A 012688 TOTAL RADIUM		3.4000 PCL	EE
ASB 3A 012688 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB 3A 012688 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB 3A 012688 TRICHLOROETHYLENE		114.0000 PER	EE
ASB 3A 012688 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 3A 012688 1,1,1-TRICHLOROETHANE		96.0000 PER	EE
ASB 3A 040588 CHLOROFORM	LT	1.0000 UGL	MA
ASB 3A 040588 SPECIFIC CONDUCTANCE		44.0000 UMHC	FD
ASB 3A 040588 PH		6.0000 PH	FD
ASB 3A 040588 TETRACHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 3A 040588 TRICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB 3A 040588 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB 3A 070788 SILVER	LT	2.0000 UGL	EE
ASB 3A 070788 GROSS ALPHA		8.0100 PCL	EE
ASB 3A 070788 ARSENIC	LT	2.0000 UGL	EE
ASB 3A 070788 BARIUM		19.0000 UGL	EE
ASB 3A 070788 NONVOLATILE BETA		3.7000 PCL	EE
ASB 3A 070788 CALCIUM		2730.0000 UGL	EE
ASB 3A 070788 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 3A 070788 CARBON TETRACHLORIDE		100.0000 PER	EE
ASB 3A 070788 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 3A 070788 CADMIUM	LT	2.0000 UGL	EE
ASB 3A 070788 CERIUM 144		0.0000 PCML	SR
ASB 3A 070788 CHLOROFORM	LT	1.0000 UGL	EE
ASB 3A 070788 CHLOROFORM		112.0000 PER	EE
ASB 3A 070788 CHLOROFORM	LT	1.0000 UGL	EE
ASB 3A 070788 CHLOROFORM	LT	1.0000 UGL	MA
ASB 3A 070788 CHLORIDE		4700.0000 UGL	EE
ASB 3A 070788 SPECIFIC CONDUCTANCE		40.0000 UMHC	FD
ASB 3A 070788 COBALT 60		0.0000 PCML	SR
ASB 3A 070788 CHROMIUM	LT	4.0000 UGL	EE
ASB 3A 070788 CHROMIUM 51		0.0000 PCML	SR
ASB 3A 070788 CESIUM 134		0.0000 PCML	SR
ASB 3A 070788 CESIUM 137		0.0000 PCML	SR
ASB 3A 070788 FLUORIDE	LT	100.0000 UGL	EE
ASB 3A 070788 IRON		105.0000 UGL	EE
ASB 3A 070788 MERCURY	LT	0.2000 UGL	EE
ASB 3A 070788 IODINE 131		0.0000 PCML	SR

Raw Data for ASB 3A

ASB 3A 070788 POTASSIUM	LT	500.0000	UGL	EE
ASB 3A 070788 MAGNESIUM		886.0000	UGL	EE
ASB 3A 070788 MANGANESE		7.0000	UGL	EE
ASB 3A 070788 SODIUM		3050.0000	UGL	EE
ASB 3A 070788 NITRATE AS NITROGEN		190.0000	UGL	EE
ASB 3A 070788 LEAD	LT	6.0000	UGL	EE
ASB 3A 070788 PH		5.5000	PH	FD
ASB 3A 070788 PHENOLS	LT	5.0000	UGL	EE
ASB 3A 070788 RUTHENIUM 103		0.0000	PCML	SR
ASB 3A 070788 RUTHENIUM 106		0.0000	PCML	SR
ASB 3A 070788 ANTIMONY 125		0.0000	PCML	SR
ASB 3A 070788 SELENIUM	LT	2.0000	UGL	EE
ASB 3A 070788 SILICA		2340.0000	UGL	EE
ASB 3A 070788 SULFATE	LT	5000.0000	UGL	EE
ASB 3A 070788 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 070788 TETRACHLOROETHYLENE		102.0000	PER	EE
ASB 3A 070788 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 070788 TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 3A 070788 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 3A 070788 TOTAL RADIUM		2.9800	PCL	EE
ASB 3A 070788 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 3A 070788 TOTAL PHOSPHATES		20.0000	UGL	EE
ASB 3A 070788 TOTAL PHOSPHATES		20.0000	UGL	EE
ASB 3A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 070788 TRICHLOROETHYLENE		102.0000	PER	EE
ASB 3A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 3A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 3A 070788 TRITIUM		1.3100	PCML	EE
ASB 3A 070788 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 3A 070788 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 3A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 3A 070788 1,1,1-TRICHLOROETHANE		110.0000	PER	EE
ASB 3A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 3A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 3A 070788 ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 3A 100288 CHLOROFORM	LT	1.0000	UGL	MA
ASB 3A 100288 SPECIFIC CONDUCTANCE		54.0000	UMEC	FD
ASB 3A 100288 PH		5.6000	PH	FD
ASB 3A 100288 TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 3A 100288 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 3A 100288 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 3A 100288 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 3A 100288 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 3A 032789 SILVER	LT	2.0000	UGL	EE
ASB 3A 032789 GROSS ALPHA		3.4400	PCL	RM
ASB 3A 032789 AMERICIUM 241		0.0960	PCL	TE
ASB 3A 032789 ARSENIC	LT	2.0000	UGL	EE
ASB 3A 032789 BARIUM		19.0000	UGL	EE
ASB 3A 032789 BARIUM 140	LT	10.0000	PCL	TE
ASB 3A 032789 NONVOLATILE BETA		3.1700	PCL	RM
ASB 3A 032789 BERYLLIUM 7	LT	50.0000	PCL	TE
ASB 3A 032789 CALCIUM		4050.0000	UGL	EE
ASB 3A 032789 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 032789 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 3A 032789 CADMIUM	LT	2.0000	UGL	EE
ASB 3A 032789 CERIUM 141	LT	10.0000	PCL	TE
ASB 3A 032789 CERIUM 144		0.0000	PCML	SR
ASB 3A 032789 CERIUM 144	LT	50.0000	PCL	TE
ASB 3A 032789 CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 032789 CHLOROFORM	LT	1.0000	UGL	EE
ASB 3A 032789 CHLOROFORM	LT	1.0000	UGL	MA
ASB 3A 032789 CHLORIDE		4800.0000	UGL	EE
ASB 3A 032789 CHLORIDE		4800.0000	UGL	EE
ASB 3A 032789 CURIUM 242	LT	0.0800	PCL	TE

Raw Data for ASB 3A

ASB	3A	032789	CURIUM 243/244		0.4000	PCL	TE
ASB	3A	032789	SPECIFIC CONDUCTANCE		43.0000	UMHC	FD
ASB	3A	032789	COBALT 58	LT	5.0000	PCL	TE
ASB	3A	032789	COBALT 60		0.0000	PCML	SR
ASB	3A	032789	COBALT 60	LT	6.0000	PCL	TE
ASB	3A	032789	CHROMIUM	LT	4.0000	UGL	EE
ASB	3A	032789	CHROMIUM 51		0.0000	PCML	SR
ASB	3A	032789	CESIUM 134		0.0000	PCML	SR
ASB	3A	032789	CESIUM 134	LT	6.0000	PCL	TE
ASB	3A	032789	CESIUM 137		0.0000	PCML	SR
ASB	3A	032789	CESIUM 137	LT	6.0000	PCL	TE
ASB	3A	032789	COPPER		4.0000	UGL	EE
ASB	3A	032789	FLUORIDE	LT	100.0000	UGL	EE
ASB	3A	032789	FLUORIDE	LT	100.0000	UGL	EE
ASB	3A	032789	IRON		71.0000	UGL	EE
ASB	3A	032789	IRON 58	LT	10.0000	PCL	TE
ASB	3A	032789	MERCURY	LT	0.2000	UGL	EE
ASB	3A	032789	IODINE 131		0.0000	PCML	SR
ASB	3A	032789	IODINE 131	LT	20.0000	PCL	TE
ASB	3A	032789	POTASSIUM	LT	500.0000	UGL	EE
ASB	3A	032789	POTASSIUM 40	LT	100.0000	PCL	TE
ASB	3A	032789	MAGNESIUM		648.0000	UGL	EE
ASB	3A	032789	MANGANESE		5.0000	UGL	EE
ASB	3A	032789	MANGANESE 54	LT	5.0000	PCL	TE
ASB	3A	032789	SODIUM		4050.0000	UGL	EE
ASB	3A	032789	NICKEL	LT	4.0000	UGL	EE
ASB	3A	032789	NITRATE AS NITROGEN		364.0000	UGL	EE
ASB	3A	032789	NITRATE AS NITROGEN		363.0000	UGL	EE
ASB	3A	032789	LEAD	LT	6.0000	UGL	EE
ASB	3A	032789	PH		5.3000	PH	FD
ASB	3A	032789	PHENOLS	LT	5.0000	UGL	EE
ASB	3A	032789	PLUTONIUM 238		0.9300	PCL	TE
ASB	3A	032789	PLUTONIUM 239/240		0.2200	PCL	TE
ASB	3A	032789	RADIUM 226	LT	100.0000	PCL	TE
ASB	3A	032789	RADIUM 226		2.2000	PCL	TE
ASB	3A	032789	RADIUM 228		2.2000	PCL	TE
ASB	3A	032789	RUTHENIUM 103		0.0000	PCML	SR
ASB	3A	032789	RUTHENIUM 103	LT	6.0000	PCL	TE
ASB	3A	032789	RUTHENIUM 106		0.0000	PCML	SR
ASB	3A	032789	RUTHENIUM 106	LT	40.0000	PCL	TE
ASB	3A	032789	ANTIMONY 125		0.0000	PCML	SR
ASB	3A	032789	SELENIUM	LT	2.0000	UGL	EE
ASB	3A	032789	SILICA		5810.0000	UGL	EE
ASB	3A	032789	SULFATE	LT	5000.0000	UGL	EE
ASB	3A	032789	SULFATE	LT	5000.0000	UGL	EE
ASB	3A	032789	STRONTIUM 89	LT	3.0000	PCL	TE
ASB	3A	032789	STRONTIUM 90	LT	1.0000	PCL	TE
ASB	3A	032789	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	3A	032789	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	3A	032789	TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	3A	032789	TOTAL DISSOLVED SOLIDS		32000.0000	UGL	EE
ASB	3A	032789	TOTAL DISSOLVED SOLIDS		30000.0000	UGL	EE
ASB	3A	032789	TBORIUM 228	LT	10.0000	PCL	TE
ASB	3A	032789	TOTAL ORGANIC CARBON		2300.0000	UGL	EE
ASB	3A	032789	TOTAL RADIUM		1.4700	PCL	RM
ASB	3A	032789	TOTAL ORGANIC HALOGENS		22.0000	UGL	EE
ASB	3A	032789	TOTAL PHOSPHATES		29.0000	UGL	EE
ASB	3A	032789	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	3A	032789	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	3A	032789	TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	3A	032789	TRITIUM		0.4200	PCML	RM
ASB	3A	032789	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB	3A	032789	URANIUM 234		0.9300	PCL	TE
ASB	3A	032789	URANIUM 235	LT	0.0600	PCL	TE

Raw Data for ASB 3A

ASB	3A	032789	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	3A	032789	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	3A	032789	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	3A	032789	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB	3A	032789	ZINC 65	LT	10.0000	PCL	TE
ASB	3A	032789	ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB	3A	032789	ZIRCONIUM 95	LT	5.0000	PCL	TE

T-Test Data

T-Test Data dor ASB 3A

SAS 13:50 Saturday, August 5, 1989 78

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
1	ASB	BKG	12687	ALUMINUM	43.00
2	ASB	BKG	12987	ALUMINUM	35.33
3	ASB	BKG	20789	ALUMINUM	80.00
4	ASB	BKG	22488	ALUMINUM	59.00
5	ASB	BKG	31289	ALUMINUM	46.50
6	ASB	BKG	40687	ALUMINUM	42.50
7	ASB	BKG	51088	ALUMINUM	253.00
8	ASB	BKG	51188	ALUMINUM	314.00
9	ASB	BKG	61886	ALUMINUM	62.00
10	ASB	BKG	72286	ALUMINUM	37.50
11	ASB	BKG	72386	ALUMINUM	45.00
12	ASB	BKG	80487	ALUMINUM	61.00
13	ASB	BKG	81388	ALUMINUM	42.00
14	ASB	BKG	81488	ALUMINUM	43.00
15	ASB	BKG	102888	ALUMINUM	51.00
16	ASB	BKG	110286	ALUMINUM	33.00
17	ASB	BKG	110386	ALUMINUM	37.67
18	ASB	BKG	110888	ALUMINUM	44.00
19	ASB	BKG	121787	ALUMINUM	74.00
20	ASB	BKG	121987	ALUMINUM	79.00
21	ASB	3A	20387	BARIUM	30.00
22	ASB	3A	22585	BARIUM	25.50
23	ASB	3A	32789	BARIUM	19.00
24	ASB	3A	70788	BARIUM	19.00
25	ASB	3A	81584	BARIUM	21.00
26	ASB	3A	102284	BARIUM	20.50
27	ASB	BKG	12687	BARIUM	7.50
28	ASB	BKG	12987	BARIUM	3.33
29	ASB	BKG	20789	BARIUM	5.00
30	ASB	BKG	22488	BARIUM	8.00
31	ASB	BKG	31289	BARIUM	8.50
32	ASB	BKG	51088	BARIUM	7.00
33	ASB	BKG	51188	BARIUM	2.00
34	ASB	BKG	61886	BARIUM	2.00
35	ASB	BKG	72286	BARIUM	4.00
36	ASB	BKG	72386	BARIUM	7.00
37	ASB	BKG	80487	BARIUM	6.50
38	ASB	BKG	81388	BARIUM	2.00
39	ASB	BKG	81488	BARIUM	6.00
40	ASB	BKG	102888	BARIUM	4.00
41	ASB	BKG	110286	BARIUM	2.00
42	ASB	BKG	110386	BARIUM	7.00
43	ASB	BKG	110888	BARIUM	9.00
44	ASB	BKG	121787	BARIUM	14.00
45	ASB	BKG	121987	BARIUM	5.00
46	ASB	BKG	12687	CALCIUM	265.00
47	ASB	BKG	12987	CALCIUM	876.33
48	ASB	BKG	110286	CALCIUM	983.50
49	ASB	BKG	110386	CALCIUM	655.00
50	ASB	3A	12688	CHLORIDE	4000.00
51	ASB	3A	20387	CHLORIDE	5600.00
52	ASB	3A	21288	CHLORIDE	6400.00
53	ASB	3A	22585	CHLORIDE	7280.00
54	ASB	3A	32789	CHLORIDE	4850.00

T-Test Data dor ASB 3A

SAS 13:50 Saturday, August 5, 1989 79

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
55	ASB	3A	70788	CHLORIDE	4700.00
56	ASB	3A	81584	CHLORIDE	7520.00
57	ASB	3A	102284	CHLORIDE	5300.00
58	ASB	BKG	12687	CHLORIDE	2500.00
59	ASB	BKG	12987	CHLORIDE	2900.00
60	ASB	BKG	20789	CHLORIDE	2200.00
61	ASB	BKG	22488	CHLORIDE	2150.00
62	ASB	BKG	31289	CHLORIDE	2500.00
63	ASB	BKG	51088	CHLORIDE	2450.00
64	ASB	BKG	51188	CHLORIDE	2000.00
65	ASB	BKG	61886	CHLORIDE	4186.67
66	ASB	BKG	72286	CHLORIDE	2270.00
67	ASB	BKG	72386	CHLORIDE	2270.00
68	ASB	BKG	80487	CHLORIDE	2950.00
69	ASB	BKG	81388	CHLORIDE	2400.00
70	ASB	BKG	81488	CHLORIDE	2300.00
71	ASB	BKG	102888	CHLORIDE	2100.00
72	ASB	BKG	110286	CHLORIDE	3400.00
73	ASB	BKG	110386	CHLORIDE	2800.00
74	ASB	BKG	110888	CHLORIDE	2200.00
75	ASB	BKG	121987	CHLORIDE	2400.00
76	ASB	BKG	12687	COPPER	4.50
77	ASB	BKG	12987	COPPER	2.00
78	ASB	BKG	20789	COPPER	11.00
79	ASB	BKG	22488	COPPER	7.50
80	ASB	BKG	31289	COPPER	5.50
81	ASB	BKG	51088	COPPER	6.00
82	ASB	BKG	51188	COPPER	5.00
83	ASB	BKG	61886	COPPER	5.50
84	ASB	BKG	72286	COPPER	6.00
85	ASB	BKG	72386	COPPER	3.00
86	ASB	BKG	80487	COPPER	8.50
87	ASB	BKG	81388	COPPER	2.00
88	ASB	BKG	81488	COPPER	4.00
89	ASB	BKG	102888	COPPER	5.00
90	ASB	BKG	110286	COPPER	9.50
91	ASB	BKG	110386	COPPER	9.00
92	ASB	BKG	110888	COPPER	15.00
93	ASB	BKG	121787	COPPER	15.00
94	ASB	BKG	121987	COPPER	5.00
95	ASB	3A	12688	GROSS ALPHA	12.50
96	ASB	3A	20387	GROSS ALPHA	6.00
97	ASB	3A	21286	GROSS ALPHA	18.00
98	ASB	3A	22585	GROSS ALPHA	15.00
99	ASB	3A	32789	GROSS ALPHA	3.00
100	ASB	3A	70788	GROSS ALPHA	8.00
101	ASB	3A	80287	GROSS ALPHA	3.00
102	ASB	3A	80586	GROSS ALPHA	23.00
103	ASB	3A	81584	GROSS ALPHA	6.00
104	ASB	3A	102284	GROSS ALPHA	1.00
105	ASB	BKG	12687	GROSS ALPHA	7.00
106	ASB	BKG	12987	GROSS ALPHA	1.00
107	ASB	BKG	20789	GROSS ALPHA	1.50
108	ASB	BKG	22488	GROSS ALPHA	14.50

T-Test Data dor ASB 3A

SAS 13:50 Saturday, August 5, 1989 80

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
109	ASB	BKG	31289	GROSS ALPHA	23.750
110	ASB	BKG	40687	GROSS ALPHA	5.250
111	ASB	BKG	61886	GROSS ALPHA	5.750
112	ASB	BKG	72286	GROSS ALPHA	1.500
113	ASB	BKG	72386	GROSS ALPHA	7.000
114	ASB	BKG	80487	GROSS ALPHA	3.750
115	ASB	BKG	110286	GROSS ALPHA	1.500
116	ASB	BKG	110386	GROSS ALPHA	7.500
117	ASB	BKG	121787	GROSS ALPHA	22.000
118	ASB	BKG	121987	GROSS ALPHA	1.000
119	ASB	3A	12688	IRON	55.000
120	ASB	3A	20387	IRON	37.000
121	ASB	3A	21286	IRON	64.000
122	ASB	3A	22585	IRON	43.500
123	ASB	3A	32789	IRON	71.000
124	ASB	3A	70788	IRON	105.000
125	ASB	3A	80287	IRON	57.000
126	ASB	3A	81584	IRON	41.000
127	ASB	3A	102284	IRON	34.500
128	ASB	BKG	12687	IRON	19.500
129	ASB	BKG	12987	IRON	31.500
130	ASB	BKG	61886	IRON	39.000
131	ASB	BKG	72286	IRON	31.500
132	ASB	BKG	72386	IRON	31.333
133	ASB	BKG	80487	IRON	76.500
134	ASB	BKG	110286	IRON	33.500
135	ASB	BKG	110386	IRON	27.667
136	ASB	BKG	121787	IRON	33.000
137	ASB	BKG	121987	IRON	40.000
138	ASB	BKG	12687	LEAD	11.500
139	ASB	BKG	12987	LEAD	8.667
140	ASB	BKG	20789	LEAD	20.000
141	ASB	BKG	22488	LEAD	8.500
142	ASB	BKG	31289	LEAD	3.000
143	ASB	BKG	40687	LEAD	11.000
144	ASB	BKG	51088	LEAD	11.000
145	ASB	BKG	51188	LEAD	9.000
146	ASB	BKG	61886	LEAD	24.500
147	ASB	BKG	72286	LEAD	22.500
148	ASB	BKG	72386	LEAD	28.333
149	ASB	BKG	80487	LEAD	9.500
150	ASB	BKG	81388	LEAD	3.000
151	ASB	BKG	81488	LEAD	3.000
152	ASB	BKG	102888	LEAD	9.500
153	ASB	BKG	110286	LEAD	17.000
154	ASB	BKG	110386	LEAD	17.667
155	ASB	BKG	110888	LEAD	15.000
156	ASB	BKG	121787	LEAD	8.000
157	ASB	BKG	121987	LEAD	8.000
158	ASB	BKG	12687	MAGNESIUM	435.000
159	ASB	BKG	12987	MAGNESIUM	481.000
160	ASB	BKG	110286	MAGNESIUM	485.000
161	ASB	BKG	110386	MAGNESIUM	443.333
162	ASB	3A	12688	MANGANESE	8.000

T-Test Data dor ASB 3A

SAS 13:50 Saturday, August 5, 1989 81

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
163	ASB	3A	20387	MANGANESE	10.00
164	ASB	3A	21286	MANGANESE	11.00
165	ASB	3A	22585	MANGANESE	6.00
166	ASB	3A	32789	MANGANESE	5.00
167	ASB	3A	70788	MANGANESE	7.00
168	ASB	3A	80287	MANGANESE	10.00
169	ASB	3A	80586	MANGANESE	10.00
170	ASB	3A	81584	MANGANESE	15.00
171	ASB	3A	102284	MANGANESE	12.50
172	ASB	BKG	12687	MANGANESE	3.50
173	ASB	BKG	12987	MANGANESE	19.33
174	ASB	BKG	20789	MANGANESE	17.00
175	ASB	BKG	31289	MANGANESE	3.50
176	ASB	BKG	61886	MANGANESE	14.00
177	ASB	BKG	72286	MANGANESE	24.50
178	ASB	BKG	72386	MANGANESE	5.00
179	ASB	BKG	80487	MANGANESE	11.00
180	ASB	BKG	81388	MANGANESE	13.00
181	ASB	BKG	81488	MANGANESE	3.00
182	ASB	BKG	110286	MANGANESE	21.00
183	ASB	BKG	110386	MANGANESE	5.00
184	ASB	BKG	121787	MANGANESE	14.00
185	ASB	BKG	121987	MANGANESE	15.00
186	ASB	3A	20387	NITRATE AS NITROGEN	70.00
187	ASB	3A	22585	NITRATE AS NITROGEN	250.00
188	ASB	3A	32789	NITRATE AS NITROGEN	363.50
189	ASB	3A	70788	NITRATE AS NITROGEN	190.00
190	ASB	3A	81584	NITRATE AS NITROGEN	250.00
191	ASB	3A	102284	NITRATE AS NITROGEN	250.00
192	ASB	BKG	12687	NITRATE AS NITROGEN	2180.00
193	ASB	BKG	12987	NITRATE AS NITROGEN	1200.00
194	ASB	BKG	20789	NITRATE AS NITROGEN	998.00
195	ASB	BKG	22488	NITRATE AS NITROGEN	1525.00
196	ASB	BKG	31289	NITRATE AS NITROGEN	1990.00
197	ASB	BKG	40687	NITRATE AS NITROGEN	1670.00
198	ASB	BKG	51088	NITRATE AS NITROGEN	1560.00
199	ASB	BKG	51188	NITRATE AS NITROGEN	880.00
200	ASB	BKG	61886	NITRATE AS NITROGEN	1783.33
201	ASB	BKG	72286	NITRATE AS NITROGEN	1190.00
202	ASB	BKG	72386	NITRATE AS NITROGEN	2070.00
203	ASB	BKG	80487	NITRATE AS NITROGEN	1675.00
204	ASB	BKG	81388	NITRATE AS NITROGEN	1080.00
205	ASB	BKG	81488	NITRATE AS NITROGEN	1980.00
206	ASB	BKG	102888	NITRATE AS NITROGEN	1210.00
207	ASB	BKG	110286	NITRATE AS NITROGEN	1170.00
208	ASB	BKG	110386	NITRATE AS NITROGEN	2140.00
209	ASB	BKG	110888	NITRATE AS NITROGEN	2240.00
210	ASB	BKG	121787	NITRATE AS NITROGEN	3040.00
211	ASB	BKG	121987	NITRATE AS NITROGEN	1370.00
212	ASB	3A	12688	NONVOLATILE BETA	9.00
213	ASB	3A	20387	NONVOLATILE BETA	5.00
214	ASB	3A	21286	NONVOLATILE BETA	21.00
215	ASB	3A	22585	NONVOLATILE BETA	11.00
216	ASB	3A	32789	NONVOLATILE BETA	3.00

T-Test Data for ASB 3A

SAS 13:50 Saturday, August 5, 1989 82

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
217	ASB	3A	70788	NONVOLATILE BETA	4.0000
218	ASB	3A	81584	NONVOLATILE BETA	1.5000
219	ASB	3A	102284	NONVOLATILE BETA	1.5000
220	ASB	BKG	12687	NONVOLATILE BETA	5.0000
221	ASB	BKG	12987	NONVOLATILE BETA	2.0000
222	ASB	BKG	20789	NONVOLATILE BETA	1.0000
223	ASB	BKG	22488	NONVOLATILE BETA	8.6667
224	ASB	BKG	31289	NONVOLATILE BETA	14.2500
225	ASB	BKG	40687	NONVOLATILE BETA	4.5000
226	ASB	BKG	61886	NONVOLATILE BETA	4.0000
227	ASB	BKG	72286	NONVOLATILE BETA	1.0000
228	ASB	BKG	72386	NONVOLATILE BETA	4.0000
229	ASB	BKG	80487	NONVOLATILE BETA	3.0000
230	ASB	BKG	110286	NONVOLATILE BETA	1.0000
231	ASB	BKG	110386	NONVOLATILE BETA	5.5000
232	ASB	BKG	121787	NONVOLATILE BETA	14.0000
233	ASB	BKG	121987	NONVOLATILE BETA	3.0000
234	ASB	3A	12688	PH	5.0000
235	ASB	3A	20387	PH	6.0000
236	ASB	3A	21286	PH	5.0000
237	ASB	3A	22585	PH	5.0000
238	ASB	3A	32789	PH	5.0000
239	ASB	3A	40588	PH	6.0000
240	ASB	3A	41686	PH	5.0000
241	ASB	3A	42385	PH	5.0000
242	ASB	3A	42587	PH	6.0000
243	ASB	3A	70788	PH	6.0000
244	ASB	3A	80287	PH	6.0000
245	ASB	3A	80586	PH	5.0000
246	ASB	3A	81385	PH	5.0000
247	ASB	3A	81584	PH	5.0000
248	ASB	3A	100286	PH	6.0000
249	ASB	3A	101286	PH	5.0000
250	ASB	3A	101887	PH	6.0000
251	ASB	3A	102284	PH	5.0000
252	ASB	3A	102985	PH	5.0000
253	ASB	BKG	12687	PH	5.0000
254	ASB	BKG	12987	PH	4.0000
255	ASB	BKG	20789	PH	5.0000
256	ASB	BKG	22488	PH	5.0000
257	ASB	BKG	31289	PH	4.0000
258	ASB	BKG	40687	PH	4.5000
259	ASB	BKG	51088	PH	4.0000
260	ASB	BKG	51188	PH	5.0000
261	ASB	BKG	61886	PH	5.0000
262	ASB	BKG	72286	PH	5.0000
263	ASB	BKG	72386	PH	5.0000
264	ASB	BKG	80487	PH	5.0000
265	ASB	BKG	81388	PH	5.0000
266	ASB	BKG	81488	PH	4.0000
267	ASB	BKG	90687	PH	5.0000
268	ASB	BKG	90887	PH	5.0000
269	ASB	BKG	102888	PH	5.0000
270	ASB	BKG	110286	PH	4.0000

T-Test Data dor ASB 3A

SAS 13:50 Saturday, August 5, 1989 83

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
271	ASB	BKG	110386	PH	4
272	ASB	BKG	110888	PH	5
273	ASB	BKG	121787	PH	4
274	ASB	BKG	121987	PH	5
275	ASB	3A	12688	SODIUM	2720
276	ASB	3A	20387	SODIUM	2870
277	ASB	3A	21286	SODIUM	4260
278	ASB	3A	22585	SODIUM	3045
279	ASB	3A	32789	SODIUM	4050
280	ASB	3A	42385	SODIUM	2518
281	ASB	3A	70788	SODIUM	3050
282	ASB	3A	80287	SODIUM	2430
283	ASB	3A	81385	SODIUM	2200
284	ASB	3A	81584	SODIUM	3580
285	ASB	3A	101286	SODIUM	3170
286	ASB	3A	102284	SODIUM	2905
287	ASB	3A	102985	SODIUM	3380
288	ASB	BKG	12687	SODIUM	4475
289	ASB	BKG	12987	SODIUM	1990
290	ASB	BKG	20789	SODIUM	1740
291	ASB	BKG	22488	SODIUM	2610
292	ASB	BKG	31289	SODIUM	2530
293	ASB	BKG	40687	SODIUM	2840
294	ASB	BKG	51088	SODIUM	3700
295	ASB	BKG	51188	SODIUM	1680
296	ASB	BKG	61886	SODIUM	2620
297	ASB	BKG	72286	SODIUM	1935
298	ASB	BKG	72386	SODIUM	4330
299	ASB	BKG	80487	SODIUM	2620
300	ASB	BKG	81388	SODIUM	1630
301	ASB	BKG	81488	SODIUM	3360
302	ASB	BKG	102888	SODIUM	1730
303	ASB	BKG	110288	SODIUM	1725
304	ASB	BKG	110386	SODIUM	3880
305	ASB	BKG	110888	SODIUM	3280
306	ASB	BKG	121787	SODIUM	3460
307	ASB	BKG	121987	SODIUM	1660
308	ASB	3A	12688	SPECIFIC CONDUCTANCE	35
309	ASB	3A	20387	SPECIFIC CONDUCTANCE	53
310	ASB	3A	21286	SPECIFIC CONDUCTANCE	38
311	ASB	3A	22585	SPECIFIC CONDUCTANCE	70
312	ASB	3A	32789	SPECIFIC CONDUCTANCE	43
313	ASB	3A	40588	SPECIFIC CONDUCTANCE	44
314	ASB	3A	41686	SPECIFIC CONDUCTANCE	51
315	ASB	3A	42385	SPECIFIC CONDUCTANCE	42
316	ASB	3A	42587	SPECIFIC CONDUCTANCE	44
317	ASB	3A	70788	SPECIFIC CONDUCTANCE	40
318	ASB	3A	80287	SPECIFIC CONDUCTANCE	37
319	ASB	3A	80586	SPECIFIC CONDUCTANCE	48
320	ASB	3A	81385	SPECIFIC CONDUCTANCE	45
321	ASB	3A	81584	SPECIFIC CONDUCTANCE	78
322	ASB	3A	100288	SPECIFIC CONDUCTANCE	54
323	ASB	3A	101286	SPECIFIC CONDUCTANCE	55
324	ASB	3A	101887	SPECIFIC CONDUCTANCE	39

T-Test Data for ASB 3A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
325	ASB	3A	102284	SPECIFIC CONDUCTANCE	92.0
326	ASB	3A	102985	SPECIFIC CONDUCTANCE	35.0
327	ASB	BKG	12687	SPECIFIC CONDUCTANCE	19.0
328	ASB	BKG	12987	SPECIFIC CONDUCTANCE	28.0
329	ASB	BKG	20789	SPECIFIC CONDUCTANCE	28.0
330	ASB	BKG	22488	SPECIFIC CONDUCTANCE	31.5
331	ASB	BKG	31289	SPECIFIC CONDUCTANCE	35.0
332	ASB	BKG	40687	SPECIFIC CONDUCTANCE	30.0
333	ASB	BKG	51088	SPECIFIC CONDUCTANCE	38.0
334	ASB	BKG	51188	SPECIFIC CONDUCTANCE	24.0
335	ASB	BKG	61886	SPECIFIC CONDUCTANCE	26.0
336	ASB	BKG	72286	SPECIFIC CONDUCTANCE	26.0
337	ASB	BKG	72386	SPECIFIC CONDUCTANCE	40.0
338	ASB	BKG	80487	SPECIFIC CONDUCTANCE	31.0
339	ASB	BKG	81388	SPECIFIC CONDUCTANCE	25.0
340	ASB	BKG	81488	SPECIFIC CONDUCTANCE	36.0
341	ASB	BKG	90687	SPECIFIC CONDUCTANCE	29.0
342	ASB	BKG	90887	SPECIFIC CONDUCTANCE	38.0
343	ASB	BKG	102888	SPECIFIC CONDUCTANCE	25.0
344	ASB	BKG	110286	SPECIFIC CONDUCTANCE	32.0
345	ASB	BKG	110386	SPECIFIC CONDUCTANCE	43.0
346	ASB	BKG	110888	SPECIFIC CONDUCTANCE	35.0
347	ASB	BKG	121787	SPECIFIC CONDUCTANCE	28.0
348	ASB	BKG	121987	SPECIFIC CONDUCTANCE	20.0
349	ASB	3A	20387	TOTAL DISSOLVED SOLIDS	20000.0
350	ASB	3A	32789	TOTAL DISSOLVED SOLIDS	31000.0
351	ASB	3A	81584	TOTAL DISSOLVED SOLIDS	40000.0
352	ASB	3A	102284	TOTAL DISSOLVED SOLIDS	16000.0
353	ASB	BKG	12687	TOTAL DISSOLVED SOLIDS	22000.0
354	ASB	BKG	12987	TOTAL DISSOLVED SOLIDS	32000.0
355	ASB	BKG	20789	TOTAL DISSOLVED SOLIDS	2500.0
356	ASB	BKG	22488	TOTAL DISSOLVED SOLIDS	24000.0
357	ASB	BKG	31289	TOTAL DISSOLVED SOLIDS	23000.0
358	ASB	BKG	40687	TOTAL DISSOLVED SOLIDS	28400.0
359	ASB	BKG	51088	TOTAL DISSOLVED SOLIDS	40000.0
360	ASB	BKG	51188	TOTAL DISSOLVED SOLIDS	26000.0
361	ASB	BKG	80487	TOTAL DISSOLVED SOLIDS	64000.0
362	ASB	BKG	81388	TOTAL DISSOLVED SOLIDS	28000.0
363	ASB	BKG	81488	TOTAL DISSOLVED SOLIDS	31000.0
364	ASB	BKG	102888	TOTAL DISSOLVED SOLIDS	112000.0
365	ASB	BKG	110888	TOTAL DISSOLVED SOLIDS	59000.0
366	ASB	BKG	121787	TOTAL DISSOLVED SOLIDS	9000.0
367	ASB	BKG	121987	TOTAL DISSOLVED SOLIDS	52000.0
368	ASB	3A	12688	TOTAL ORGANIC CARBON	500.0
369	ASB	3A	20387	TOTAL ORGANIC CARBON	500.0
370	ASB	3A	21286	TOTAL ORGANIC CARBON	500.0
371	ASB	3A	22585	TOTAL ORGANIC CARBON	295.0
372	ASB	3A	32789	TOTAL ORGANIC CARBON	2300.0
373	ASB	3A	42385	TOTAL ORGANIC CARBON	538.0
374	ASB	3A	70788	TOTAL ORGANIC CARBON	500.0
375	ASB	3A	80287	TOTAL ORGANIC CARBON	2000.0
376	ASB	3A	80586	TOTAL ORGANIC CARBON	3000.0
377	ASB	3A	81385	TOTAL ORGANIC CARBON	350.0
378	ASB	3A	81584	TOTAL ORGANIC CARBON	2500.0

T-Test Data for ASB 3A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
379	ASB	3A	102284	TOTAL ORGANIC CARBON	2500.00
380	ASB	3A	102985	TOTAL ORGANIC CARBON	435.00
381	ASB	3A	20387	TOTAL PHOSPHATES	30.00
382	ASB	3A	32789	TOTAL PHOSPHATES	29.00
383	ASB	3A	70788	TOTAL PHOSPHATES	20.00
384	ASB	BKG	12687	TOTAL PHOSPHATES	30.00
385	ASB	BKG	12987	TOTAL PHOSPHATES	40.00
386	ASB	BKG	20789	TOTAL PHOSPHATES	10.00
387	ASB	BKG	31289	TOTAL PHOSPHATES	13.67
388	ASB	BKG	40687	TOTAL PHOSPHATES	10.00
389	ASB	BKG	51088	TOTAL PHOSPHATES	30.00
390	ASB	BKG	51188	TOTAL PHOSPHATES	40.00
391	ASB	BKG	61886	TOTAL PHOSPHATES	9.50
392	ASB	BKG	72286	TOTAL PHOSPHATES	39.00
393	ASB	BKG	72386	TOTAL PHOSPHATES	42.00
394	ASB	BKG	80487	TOTAL PHOSPHATES	15.00
395	ASB	BKG	81388	TOTAL PHOSPHATES	10.00
396	ASB	BKG	81488	TOTAL PHOSPHATES	10.00
397	ASB	BKG	102888	TOTAL PHOSPHATES	10.00
398	ASB	BKG	110286	TOTAL PHOSPHATES	39.50
399	ASB	BKG	110386	TOTAL PHOSPHATES	37.00
400	ASB	BKG	110888	TOTAL PHOSPHATES	60.00
401	ASB	BKG	121787	TOTAL PHOSPHATES	70.00
402	ASB	BKG	121987	TOTAL PHOSPHATES	100.00
403	ASB	3A	12688	TOTAL RADIUM	3.50
404	ASB	3A	20387	TOTAL RADIUM	5.00
405	ASB	3A	21286	TOTAL RADIUM	11.00
406	ASB	3A	22585	TOTAL RADIUM	4.00
407	ASB	3A	32789	TOTAL RADIUM	1.00
408	ASB	3A	70788	TOTAL RADIUM	3.00
409	ASB	3A	80287	TOTAL RADIUM	5.00
410	ASB	3A	80586	TOTAL RADIUM	6.00
411	ASB	3A	81584	TOTAL RADIUM	6.00
412	ASB	3A	102284	TOTAL RADIUM	0.50
413	ASB	BKG	12687	TOTAL RADIUM	7.00
414	ASB	BKG	12987	TOTAL RADIUM	0.50
415	ASB	BKG	20789	TOTAL RADIUM	1.00
416	ASB	BKG	22488	TOTAL RADIUM	4.83
417	ASB	BKG	31289	TOTAL RADIUM	12.00
418	ASB	BKG	40687	TOTAL RADIUM	4.25
419	ASB	BKG	51088	TOTAL RADIUM	6.00
420	ASB	BKG	51188	TOTAL RADIUM	0.50
421	ASB	BKG	61886	TOTAL RADIUM	4.50
422	ASB	BKG	72286	TOTAL RADIUM	1.00
423	ASB	BKG	72386	TOTAL RADIUM	9.00
424	ASB	BKG	80487	TOTAL RADIUM	3.50
425	ASB	BKG	81388	TOTAL RADIUM	1.00
426	ASB	BKG	81488	TOTAL RADIUM	7.00
427	ASB	BKG	102888	TOTAL RADIUM	0.50
428	ASB	BKG	110286	TOTAL RADIUM	0.50
429	ASB	BKG	110386	TOTAL RADIUM	7.50
430	ASB	BKG	110888	TOTAL RADIUM	6.00
431	ASB	BKG	121787	TOTAL RADIUM	6.00
432	ASB	BKG	121987	TOTAL RADIUM	0.00

T-Test Data dor ASB 3A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
433	ASB	BKG	40687	TURBIDITY	0.000
434	ASB	BKG	61886	TURBIDITY	0.667
435	ASB	BKG	80487	TURBIDITY	0.500
436	ASB	BKG	121787	TURBIDITY	0.000
437	ASB	BKG	121987	TURBIDITY	0.000
438	ASB	3A	20387	ZINC	2.000
439	ASB	3A	41886	ZINC	19.000
440	ASB	3A	81584	ZINC	42.000
441	ASB	3A	102284	ZINC	301.000
442	ASB	BKG	12687	ZINC	7.000
443	ASB	BKG	12987	ZINC	8.667
444	ASB	BKG	20789	ZINC	17.000
445	ASB	BKG	31289	ZINC	11.000
446	ASB	BKG	51088	ZINC	6.000
447	ASB	BKG	51188	ZINC	11.000
448	ASB	BKG	61886	ZINC	9.750
449	ASB	BKG	72286	ZINC	15.500
450	ASB	BKG	72386	ZINC	2.000
451	ASB	BKG	80487	ZINC	46.500
452	ASB	BKG	81388	ZINC	49.000
453	ASB	BKG	81488	ZINC	24.000
454	ASB	BKG	102888	ZINC	44.000
455	ASB	BKG	110286	ZINC	8.000
456	ASB	BKG	110386	ZINC	11.333
457	ASB	BKG	110888	ZINC	12.000
458	ASB	BKG	121787	ZINC	54.000
459	ASB	BKG	121987	ZINC	17.000

Statistical Comparison Results

TTEST PROCEDURE

***** TESTNAME=BARIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	6	22.50000000	4.38178046	1.78885438	19.00000000	30.00000000
BKG	19	5.78070175	3.06365222	0.70285002	2.00000000	14.00000000

Variances	T	Method	DF	Prob> T
Unequal	8.6990	Satterthwaite	5.6	0.0001
		Cochran	.	0.0002
Equal	10.5192		23.0	0.0000

For H0: Variances are equal, F' = 2.05 DF = (5,18) Prob>F' = 0.2408

***** TESTNAME=CHLORIDE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	8	5706.250000	1258.172569	444.8311778	4000.000000	7520.000000
BKG	18	2553.148148	535.242280	126.1578107	2000.000000	4166.666667

Variances	T	Method	DF	Prob> T
Unequal	6.8194	Satterthwaite	8.1	0.0001
		Cochran	.	0.0002
Equal	9.1021		24.0	0.0000

For H0: Variances are equal, F' = 5.53 DF = (7,17) Prob>F' = 0.0038

***** TESTNAME=GROSS ALPHA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	10	9.55000000	7.28182669	2.30271579	1.00000000	23.00000000
BKG	14	7.35714286	7.53562965	2.01398174	1.00000000	23.75000000

Variances	T	Method	DF	Prob> T
Unequal	0.7168	Satterthwaite	20.0	0.4818
		Cochran	.	0.4893
Equal	0.7125		22.0	0.4836

For H0: Variances are equal, F' = 1.07 DF = (13,9) Prob>F' = 0.9431

***** TESTNAME=IRON *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	9	58.44444444	22.08445734	7.35481911	34.50000000	105.0000000
BKG	10	38.35000000	15.21420105	4.81115281	19.50000000	76.5000000

Variances	T	Method	DF	Prob> T
Unequal	2.2864	Satterthwaite	14.0	0.0383
		Cochran	.	0.0505
Equal	2.3322		17.0	0.0322

For H0: Variances are equal, F' = 2.10 DF = (8,9) Prob>F' = 0.2890

***** TESTNAME=MANGANESE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	10	9.25000000	3.20806276	1.01447852	5.00000000	15.00000000
BKG	14	12.05952381	7.11703360	1.90210724	3.00000000	24.50000000

Variances	T	Method	DF	Prob> T
Unequal	-1.3033	Satterthwaite	19.2	0.2079
		Cochran	.	0.2173
Equal	-1.1613		22.0	0.2580

For H0: Variances are equal, F' = 4.92 DF = (13,9) Prob>F' = 0.0219

***** TESTNAME=NITRATE AS NITROGEN *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	6	228.916667	96.1407389	39.2492923	70.0000000	363.500000
BKG	20	1647.566667	538.2189613	120.3494184	880.0000000	3040.000000

Variances	T	Method	DF	Prob> T
Unequal	-11.2068	Satterthwaite	22.3	0.0001
		Cochran	.	0.0001
Equal	-6.3377		24.0	0.0000

For H0: Variances are equal, F' = 31.34 DF = (19,5) Prob>F' = 0.0012

***** TESTNAME=NONVOLATILE BETA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	8	7.00000000	6.60627407	2.33567060	1.50000000	21.00000000
BKG	14	5.06547619	4.36284068	1.16601822	1.00000000	14.25000000

Variances	T	Method	DF	Prob> T
Unequal	0.7410	Satterthwaite	10.6	0.4748
		Cochran	.	0.4807
Equal	0.8301		20.0	0.4163

For H0: Variances are equal, F' = 2.29 DF = (7,13) Prob>F' = 0.1864

***** TESTNAME=PH *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	19	5.36842105	0.48559463	0.11369721	5.00000000	6.00000000
BKG	22	4.65909091	0.47274184	0.10078890	4.00000000	5.00000000

Variances	T	Method	DF	Prob> T
Unequal	4.6685	Satterthwaite	37.5	0.0001
		Cochran	.	0.0002
Equal	4.6851		39.0	0.0000

For H0: Variances are equal, F' = 1.10 DF = (18,21) Prob>F' = 0.8281

***** TESTNAME=SODIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	13	3090.615385	605.4701394	167.9272026	2200.000000	4260.000000
BKG	20	2689.750000	939.9376729	210.1764531	1630.000000	4475.000000

Variances	T	Method	DF	Prob> T
Unequal	1.4901	Satterthwaite	31.0	0.1463
		Cochran	.	0.1564
Equal	1.3611		31.0	0.1833

For H0: Variances are equal, F' = 2.41 DF = (19,12) Prob>F' = 0.1222

***** TESTNAME=SPECIFIC CONDUCTANCE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	19	49.68421053	15.36971276	3.52605393	35.00000000	92.00000000
BKG	22	30.34090909	6.32340016	1.34815344	19.00000000	43.00000000

Variances	T	Method	DF	Prob> T
Unequal	5.1241	Satterthwaite	23.2	0.0001
		Cochran	.	0.0001
Equal	5.4053		39.0	0.0000

For H0: Variances are equal, F' = 5.91 DF = (18,21) Prob>F' = 0.0001

***** TESTNAME-TOTAL DISSOLVED SOLIDS *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	4	26750.00000	10874.28159	5437.140793	18000.00000	40000.0000
BKG	15	36860.00000	26689.90713	6891.304390	2500.00000	112000.0000

Variances	T	Method	DF	Prob> T
Unequal	-1.1517	Satterthwaite	13.1	0.2700
		Cochran	.	0.2966
Equal	-0.7289		17.0	0.4760

For H0: Variances are equal, F' = 6.02 DF = (14,3) Prob>F' = 0.1650

***** TESTNAME-TOTAL PHOSPHATES *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	3	26.33333333	5.50757055	3.17979734	20.00000000	30.0000000
BKG	19	32.40350877	24.45689808	5.61079722	9.50000000	100.0000000

Variances	T	Method	DF	Prob> T
Unequal	-0.9412	Satterthwaite	16.3	0.3603
		Cochran	.	0.3854
Equal	-0.4199		20.0	0.6790

For H0: Variances are equal, F' = 19.72 DF = (18,2) Prob>F' = 0.0986

***** TESTNAME-TOTAL RADIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	10	4.50000000	2.96273147	0.93689795	0.50000000	11.00000000
BKG	20	4.12916667	3.43490798	0.76806877	0.00000000	12.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.3061	Satterthwaite	20.7	0.7626
		Cochran	.	0.7650
Equal	0.2910		28.0	0.7732

For H0: Variances are equal, F' = 1.34 DF = (19,9) Prob>F' = 0.5680

***** TESTNAME-ZINC *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
3A	4	91.00000000	140.9562580	70.47812900	2.00000000	301.00000000
BKG	18	19.65277778	16.6184658	3.91700996	2.00000000	54.00000000

Variances	T	Method	DF	Prob> T
Unequal	1.0108	Satterthwaite	3.0	0.3863
		Cochran	.	0.3864
Equal	2.2763		20.0	0.0340

For H0: Variances are equal, F' = 71.94 DF = (3,17) Prob>F' = 0.0000

Groundwater Monitoring Well

ASB 4

Raw Data

Raw Data for ASB 4

ASB 4	052682	SPECIFIC CONDUCTANCE		109.0000	UMHC	FD
ASB 4	052682	PH		5.7000	PH	FD
ASB 4	081282	SPECIFIC CONDUCTANCE		36.0000	UMHC	FD
ASB 4	081282	PH		5.7000	PH	FD
ASB 4	101982	SPECIFIC CONDUCTANCE		50.0000	UMHC	FD
ASB 4	101982	PH		4.8000	PH	FD
ASB 4	012583	SPECIFIC CONDUCTANCE		40.0000	UMHC	FD
ASB 4	012583	PH		4.8000	PH	FD
ASB 4	041983	SPECIFIC CONDUCTANCE		41.0000	UMHC	FD
ASB 4	041983	PH		4.7000	PH	FD
ASB 4	080683	SPECIFIC CONDUCTANCE		74.0000	UMHC	FD
ASB 4	080683	PH		5.3000	PH	FD
ASB 4	112883	SPECIFIC CONDUCTANCE		28.0000	UMHC	FD
ASB 4	112883	PH		4.9000	PH	FD
ASB 4	030184	SPECIFIC CONDUCTANCE		25.0000	UMHC	FD
ASB 4	030184	PH		5.9000	PH	FD
ASB 4	041184	SPECIFIC CONDUCTANCE		41.0000	UMHC	FD
ASB 4	041184	PH		6.1000	PH	FD
ASB 4	080684	SILVER	LT	2.0000	UGL	EE
ASB 4	080684	SILVER	LT	2.0000	UGL	EE
ASB 4	080684	GROSS ALPHA		7.0000	PCL	CP
ASB 4	080684	ARSENIC	LT	1.0000	UGL	EE
ASB 4	080684	ARSENIC	LT	1.0000	UGL	EE
ASB 4	080684	BARIUM		17.0000	UGL	EE
ASB 4	080684	BARIUM		17.0000	UGL	EE
ASB 4	080684	BERYLLIUM	LT	2.0000	UGL	EE
ASB 4	080684	BERYLLIUM	LT	2.0000	UGL	EE
ASB 4	080684	NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB 4	080684	CADMIUM	LT	2.0000	UGL	EE
ASB 4	080684	CADMIUM	LT	2.0000	UGL	EE
ASB 4	080684	CHLORIDE		4300.0000	UGL	EE
ASB 4	080684	COLOR		15.0000	APC	EE
ASB 4	080684	SPECIFIC CONDUCTANCE		58.0000	UMHC	FD
ASB 4	080684	CHROMIUM		32.0000	UGL	EE
ASB 4	080684	CHROMIUM	LT	4.0000	UGL	EE
ASB 4	080684	COPPER	LT	4.0000	UGL	EE
ASB 4	080684	COPPER	LT	4.0000	UGL	EE
ASB 4	080684	CYANIDE	LT	5.0000	UGL	EE
ASB 4	080684	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 4	080684	ENDRIN	LT	0.0400	UGL	EE
ASB 4	080684	FLUORIDE		130.0000	UGL	EE
ASB 4	080684	IRON		472.0000	UGL	EE
ASB 4	080684	IRON		406.0000	UGL	EE
ASB 4	080684	GC SCAN	LT	40.0000	UGL	EE
ASB 4	080684	MERCURY	LT	0.2000	UGL	EE
ASB 4	080684	LINDANE	LT	1.0000	UGL	EE
ASB 4	080684	METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 4	080684	MANGANESE		40.0000	UGL	EE
ASB 4	080684	MANGANESE		40.0000	UGL	EE
ASB 4	080684	SODIUM		2290.0000	UGL	EE
ASB 4	080684	SODIUM		2220.0000	UGL	EE
ASB 4	080684	NICKEL		24.0000	UGL	EE
ASB 4	080684	NICKEL		18.0000	UGL	EE
ASB 4	080684	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 4	080684	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 4	080684	ODOR		0.0000	THON	EE
ASB 4	080684	LEAD	LT	4.0000	UGL	EE
ASB 4	080684	LEAD	LT	4.0000	UGL	EE
ASB 4	080684	PH		5.1000	PH	FD
ASB 4	080684	PHENOLS		12.0000	UGL	EE
ASB 4	080684	SELENIUM	LT	1.0000	UGL	EE
ASB 4	080684	SELENIUM	LT	1.0000	UGL	EE
ASB 4	080684	SULFATE	LT	10000.0000	UGL	EE
ASB 4	080684	SULFIDE	LT	1000.0000	UGL	EE

Raw Data for ASB 4

ASB 4 080684	SURFACTANTS	LT	10.0000	UGL	EE
ASB 4 080684	SURFACTANTS	LT	10.0000	UGL	EE
ASB 4 080684	TOTAL DISSOLVED SOLIDS		3542000.0000	UGL	EE
ASB 4 080684	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 4 080684	TOTAL RADIUM		4.0000	PCL	CP
ASB 4 080684	TOTAL ORGANIC HALOGENS		11.0000	UGL	MM
ASB 4 080684	TURBIDITY		34.0000	TU	EE
ASB 4 080684	TOXAPHENE	LT	1.0000	UGL	EE
ASB 4 080684	ZINC		88.0000	UGL	EE
ASB 4 080684	ZINC		88.0000	UGL	EE
ASB 4 102284	SILVER	LT	2.0000	UGL	EE
ASB 4 102284	GROSS ALPHA		8.0000	PCL	CP
ASB 4 102284	ARSENIC	LT	1.0000	UGL	EE
ASB 4 102284	BARIUM		20.0000	UGL	EE
ASB 4 102284	BERYLLIUM	LT	2.0000	UGL	EE
ASB 4 102284	NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB 4 102284	CADMIUM	LT	2.0000	UGL	EE
ASB 4 102284	CHLORIDE		4700.0000	UGL	EE
ASB 4 102284	COLOR		165.0000	APC	EE
ASB 4 102284	SPECIFIC CONDUCTANCE		84.0000	UMHC	FD
ASB 4 102284	CORROSIVITY		0.0039	MMY	EE
ASB 4 102284	CHROMIUM	LT	4.0000	UGL	EE
ASB 4 102284	COPPER		7.0000	UGL	EE
ASB 4 102284	CYANIDE	LT	5.0000	UGL	EE
ASB 4 102284	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 4 102284	ENDRIN	LT	0.0400	UGL	EE
ASB 4 102284	FLUORIDE	LT	100.0000	UGL	EE
ASB 4 102284	IRON		1690.0000	UGL	EE
ASB 4 102284	GC SCAN		198.0000	UGL	EE
ASB 4 102284	MERCURY	LT	0.2000	UGL	EE
ASB 4 102284	LINDANE	LT	1.0000	UGL	EE
ASB 4 102284	METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 4 102284	MANGANESE		29.0000	UGL	EE
ASB 4 102284	SODIUM		1970.0000	UGL	EE
ASB 4 102284	NICKEL		25.0000	UGL	EE
ASB 4 102284	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 4 102284	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 4 102284	ODOR		4.0000	THON	EE
ASB 4 102284	LEAD		10.0000	UGL	EE
ASB 4 102284	PH		4.7000	PH	FD
ASB 4 102284	PHENOLS	LT	2.0000	UGL	EE
ASB 4 102284	SELENIUM	LT	1.0000	UGL	EE
ASB 4 102284	SILVER	LT	2.0000	UGL	EE
ASB 4 102284	SULFATE	LT	5000.0000	UGL	EE
ASB 4 102284	SULFIDE	LT	1000.0000	UGL	EE
ASB 4 102284	SURFACTANTS	LT	10.0000	UGL	EE
ASB 4 102284	TOTAL DISSOLVED SOLIDS		70000.0000	UGL	EE
ASB 4 102284	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 4 102284	TOTAL RADIUM		6.0000	PCL	CP
ASB 4 102284	TOTAL ORGANIC HALOGENS		18.0000	UGL	MM
ASB 4 102284	TURBIDITY		60.0000	TU	EE
ASB 4 102284	TOXAPHENE	LT	1.0000	UGL	EE
ASB 4 102284	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 4 102284	ZINC		82.0000	UGL	EE
ASB 4 022785	SILVER	LT	2.0000	UGL	EE
ASB 4 022785	GROSS ALPHA		8.0000	PCL	CP
ASB 4 022785	ARSENIC	LT	1.0000	UGL	EE
ASB 4 022785	BARIUM		18.0000	UGL	EE
ASB 4 022785	NONVOLATILE BETA		4.0000	PCL	CP
ASB 4 022785	CADMIUM	LT	2.0000	UGL	EE
ASB 4 022785	CHLORIDE		3400.0000	UGL	EE
ASB 4 022785	SPECIFIC CONDUCTANCE		69.0000	UMHC	FD
ASB 4 022785	CHROMIUM	LT	4.0000	UGL	EE
ASB 4 022785	ENDRIN	LT	0.0400	UGL	EE

Raw Data for ASB 4

ASB	4	022785	FLUORIDE	LT	100.0000	UGL	EE
ASB	4	022785	IRON		445.0000	UGL	EE
ASB	4	022785	MERCURY		0.2900	UGL	EE
ASB	4	022785	LINDANE	LT	1.0000	UGL	EE
ASB	4	022785	METHOXYCHLOR	LT	20.0000	UGL	EE
ASB	4	022785	MANGANESE		13.0000	UGL	EE
ASB	4	022785	SODIUM		2290.0000	UGL	EE
ASB	4	022785	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB	4	022785	LEAD		9.0000	UGL	EE
ASB	4	022785	PH		5.3000	PH	FD
ASB	4	022785	PHENOLS	LT	2.0000	UGL	EE
ASB	4	022785	SELENIUM	LT	1.0000	UGL	EE
ASB	4	022785	SILVEX	LT	2.0000	UGL	EE
ASB	4	022785	SULFATE		5000.0000	UGL	EE
ASB	4	022785	TOTAL ORGANIC CARBON		4360.0000	UGL	EE
ASB	4	022785	TOTAL ORGANIC CARBON		4380.0000	UGL	EE
ASB	4	022785	TOTAL RADIUM		4.0000	PCL	CP
ASB	4	022785	TOTAL ORGANIC HALOGENS		10.6000	UGL	EE
ASB	4	022785	TURBIDITY		15.0000	TU	EE
ASB	4	022785	TOKAPHENE	LT	1.0000	UGL	EE
ASB	4	022785	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB	4	042385	SPECIFIC CONDUCTANCE		50.0000	UMEC	FD
ASB	4	042385	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	042385	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	042385	MERCURY	LT	0.2000	UGL	EE
ASB	4	042385	SODIUM		1756.0000	UGL	EE
ASB	4	042385	SODIUM		1804.0000	UGL	EE
ASB	4	042385	LEAD		6.0000	UGL	EE
ASB	4	042385	LEAD		6.0000	UGL	EE
ASB	4	042385	PH		5.4000	PH	FD
ASB	4	042385	TOTAL ORGANIC CARBON		4450.0000	UGL	EE
ASB	4	042385	TOTAL ORGANIC CARBON		4020.0000	UGL	EE
ASB	4	042385	TOTAL ORGANIC HALOGENS		10.8000	UGL	EE
ASB	4	071585	SPECIFIC CONDUCTANCE		42.0000	UMEC	FD
ASB	4	071585	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	071585	MERCURY	LT	0.2000	UGL	EE
ASB	4	071585	SODIUM		2090.0000	UGL	EE
ASB	4	071585	LEAD		11.0000	UGL	EE
ASB	4	071585	PH		5.0000	PH	FD
ASB	4	071585	TOTAL ORGANIC CARBON		4080.0000	UGL	EE
ASB	4	071585	TOTAL ORGANIC HALOGENS		26.0000	UGL	EE
ASB	4	102985	SPECIFIC CONDUCTANCE		38.0000	UMEC	FD
ASB	4	102985	SPECIFIC CONDUCTANCE		201.0000	UMEC	EE
ASB	4	102985	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	102985	MERCURY	LT	0.2000	UGL	EE
ASB	4	102985	SODIUM		2550.0000	UGL	EE
ASB	4	102985	LEAD		11.0000	UGL	EE
ASB	4	102985	PH		4.8000	PH	FD
ASB	4	102985	PH		5.5000	PH	EE
ASB	4	102985	TOTAL ORGANIC CARBON		900.0000	UGL	EE
ASB	4	102985	TOTAL ORGANIC HALOGENS		61.0000	UGL	EE
ASB	4	021186	GROSS ALPHA		12.0000	PCL	CP
ASB	4	021186	NONVOLATILE BETA		9.0000	PCL	CP
ASB	4	021186	CHLORIDE		5200.0000	UGL	EE
ASB	4	021186	SPECIFIC CONDUCTANCE		43.0000	UMEC	FD
ASB	4	021186	IRON		388.0000	UGL	EE
ASB	4	021186	MERCURY	LT	0.2000	UGL	EE
ASB	4	021186	MERCURY	LT	0.2000	UGL	EE
ASB	4	021186	MANGANESE		18.0000	UGL	EE
ASB	4	021186	SODIUM		2350.0000	UGL	EE
ASB	4	021186	SODIUM		2350.0000	UGL	EE
ASB	4	021186	PH		5.1000	PH	FD
ASB	4	021186	PHENOLS	LT	2.0000	UGL	EE
ASB	4	021186	SULFATE		8000.0000	UGL	EE

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ASB	4	021186	TOTAL ORGANIC CARBON		14500.0000	UGL	EE
ASB	4	021186	TOTAL RADIUM		6.0000	PCL	CP
ASB	4	021186	TOTAL ORGANIC HALOGENS		71.0000	UGL	EE
ASB	4	041686	SPECIFIC CONDUCTANCE		47.0000	UMHC	FD
ASB	4	041686	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	041686	NICKEL		11.0000	UGL	EE
ASB	4	041686	LEAD		8.0000	UGL	EE
ASB	4	041686	PH		5.2000	PH	FD
ASB	4	041686	ZINC		53.0000	UGL	EE
ASB	4	080486	GROSS ALPHA		3.7000	PCL	EE
ASB	4	080486	SPECIFIC CONDUCTANCE		58.0000	UMHC	FD
ASB	4	080486	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	080486	MANGANESE		9.0000	UGL	EE
ASB	4	080486	LEAD		10.0000	UGL	EE
ASB	4	080486	PH		5.5000	PH	FD
ASB	4	080486	TOTAL ORGANIC CARBON		2000.0000	UGL	EE
ASB	4	080486	TOTAL RADIUM		3.8000	PCL	EE
ASB	4	080486	TOTAL ORGANIC HALOGENS		25.0000	UGL	EE
ASB	4	101286	BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB	4	101286	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB	4	101286	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB	4	101286	BROMOFORM	LT	10.0000	UGL	EE
ASB	4	101286	CHLOROFORM	LT	5.0000	UGL	EE
ASB	4	101286	BROMOMETHANE	LT	10.0000	UGL	EE
ASB	4	101286	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB	4	101286	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB	4	101286	SPECIFIC CONDUCTANCE		50.0000	UMHC	FD
ASB	4	101286	CHROMIUM	LT	4.0000	UGL	EE
ASB	4	101286	CHLOROETHENE	LT	10.0000	UGL	EE
ASB	4	101286	CHLOROETHANE	LT	10.0000	UGL	EE
ASB	4	101286	BENZENE	LT	5.0000	UGL	EE
ASB	4	101286	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB	4	101286	ETHYLBENZENE		14.0000	UGL	EE
ASB	4	101286	TOLUENE-D8		93.0000	PER	EE
ASB	4	101286	TOLUENE	LT	5.0000	UGL	EE
ASB	4	101286	SODIUM		3250.0000	UGL	EE
ASB	4	101286	P-BROMOFLUOROBENZENE		105.0000	PER	EE
ASB	4	101286	PH		5.0000	PH	FD
ASB	4	101286	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB	4	101286	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB	4	101286	TOTAL ORGANIC HALOGENS		15.5000	UGL	EE
ASB	4	101286	TRICHLOROETHYLENE		22.0000	UGL	EE
ASB	4	101286	TRANS-1,2-DICHLOROETHENE		8.0000	UGL	EE
ASB	4	101286	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB	4	101286	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB	4	101286	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB	4	101286	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB	4	101286	1,2-DICHLOROETHANE-D4		98.0000	PER	EE
ASB	4	101286	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB	4	101286	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB	4	101286	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB	4	101286	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB	4	101286	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB	4	020787	SILVER	LT	2.0000	UGL	EE
ASB	4	020787	SILVER	LT	2.0000	UGL	EE
ASB	4	020787	GROSS ALPHA		3.0000	PCL	RM
ASB	4	020787	ARSENIC	LT	2.0000	UGL	EE
ASB	4	020787	BARIUM		18.0000	UGL	EE
ASB	4	020787	BARIUM		17.0000	UGL	EE
ASB	4	020787	NONVOLATILE BETA		3.0000	PCL	RM
ASB	4	020787	CALCIUM		2040.0000	UGL	EE
ASB	4	020787	CALCIUM		2040.0000	UGL	EE
ASB	4	020787	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	4	020787	CADMIUM	LT	2.0000	UGL	EE

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ASB 4	020787	CADMIUM	LT	2.0000	UGL	EE
ASB 4	020787	CHLOROFORM	LT	1.0000	UGL	EE
ASB 4	020787	CHLORIDE		5300.0000	UGL	EE
ASB 4	020787	SPECIFIC CONDUCTANCE		80.0000	UMBC	FD
ASB 4	020787	CHROMIUM	LT	4.0000	UGL	EE
ASB 4	020787	CHROMIUM	LT	4.0000	UGL	EE
ASB 4	020787	COPPER		18.0000	UGL	EE
ASB 4	020787	COPPER		20.0000	UGL	EE
ASB 4	020787	FLUORIDE	LT	100.0000	UGL	EE
ASB 4	020787	IRON		105.0000	UGL	EE
ASB 4	020787	IRON		108.0000	UGL	EE
ASB 4	020787	MERCURY	LT	0.2000	UGL	EE
ASB 4	020787	POTASSIUM		730.0000	UGL	EE
ASB 4	020787	POTASSIUM		750.0000	UGL	EE
ASB 4	020787	MAGNESIUM		1350.0000	UGL	EE
ASB 4	020787	MAGNESIUM		1360.0000	UGL	EE
ASB 4	020787	MANGANESE		6.0000	UGL	EE
ASB 4	020787	MANGANESE		6.0000	UGL	EE
ASB 4	020787	SODIUM		3150.0000	UGL	EE
ASB 4	020787	SODIUM		3220.0000	UGL	EE
ASB 4	020787	NICKEL		30.0000	UGL	EE
ASB 4	020787	NICKEL		31.0000	UGL	EE
ASB 4	020787	NITRATE AS NITROGEN		160.0000	UGL	EE
ASB 4	020787	NITRATE AS NITROGEN		160.0000	UGL	EE
ASB 4	020787	LEAD	LT	6.0000	UGL	EE
ASB 4	020787	LEAD		6.0000	UGL	EE
ASB 4	020787	PH		5.4000	PH	FD
ASB 4	020787	PHENOLS	LT	2.0000	UGL	EE
ASB 4	020787	SELENIUM	LT	2.0000	UGL	EE
ASB 4	020787	SULFATE		10000.0000	UGL	EE
ASB 4	020787	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 4	020787	TOTAL DISSOLVED SOLIDS		12000.0000	UGL	EE
ASB 4	020787	TOTAL ORGANIC CARBON		5300.0000	UGL	EE
ASB 4	020787	TOTAL ORGANIC CARBON		4800.0000	UGL	EE
ASB 4	020787	TOTAL RADIUM		2.9000	PCL	RM
ASB 4	020787	TOTAL ORGANIC HALOGENS		6.0000	UGL	EE
ASB 4	020787	TOTAL PHOSPHATES		20.0000	UGL	EE
ASB 4	020787	TRICHLOROETHYLENE		5.2300	UGL	EE
ASB 4	020787	TRITIUM		5.0600	PCML	RM
ASB 4	020787	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 4	020787	ZINC		31.0000	UGL	EE
ASB 4	020787	ZINC		28.0000	UGL	EE
ASB 4	042687	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 4	042687	CHLOROFORM	LT	1.0000	UGL	EE
ASB 4	042687	SPECIFIC CONDUCTANCE		50.0000	UMBC	FD
ASB 4	042687	PH		4.4000	PH	FD
ASB 4	042687	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 4	042687	TRICHLOROETHYLENE		5.8000	UGL	EE
ASB 4	042687	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 4	080587	GROSS ALPHA		3.4000	PCL	RM
ASB 4	080587	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 4	080587	CHLOROFORM	LT	1.0000	UGL	EE
ASB 4	080587	SPECIFIC CONDUCTANCE		46.0000	UMBC	FD
ASB 4	080587	CHROMIUM	LT	4.0000	UGL	EE
ASB 4	080587	IRON		740.0000	UGL	EE
ASB 4	080587	MANGANESE		8.0000	UGL	EE
ASB 4	080587	SODIUM		3480.0000	UGL	EE
ASB 4	080587	LEAD	LT	6.0000	UGL	EE
ASB 4	080587	PH		5.7000	PH	FD
ASB 4	080587	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 4	080587	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 4	080587	TOTAL RADIUM		2.0000	PCL	RM
ASB 4	080587	TOTAL ORGANIC HALOGENS		6.0000	UGL	EE
ASB 4	080587	TRICHLOROETHYLENE		10.1000	UGL	EE

ASB 4	080587	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 4	101887	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 4	101887	CHLOROFORM	LT	1.0000	UGL	EE
ASB 4	101887	SPECIFIC CONDUCTANCE		45.0000	UMEC	FD
ASB 4	101887	PH		5.4000	PH	FD
ASB 4	101887	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 4	101887	TRICHLOROETHYLENE		4.8500	UGL	EE
ASB 4	101887	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 4	013088	GROSS ALPHA		4.9000	PCL	EE
ASB 4	013088	NONVOLATILE BETA		4.0000	PCL	EE
ASB 4	013088	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 4	013088	CADMIUM	LT	2.0000	UGL	EE
ASB 4	013088	CHLOROFORM	LT	1.0000	UGL	EE
ASB 4	013088	CHLORIDE		2300.0000	UGL	EE
ASB 4	013088	SPECIFIC CONDUCTANCE		39.0000	UMEC	FD
ASB 4	013088	COPPER	LT	4.0000	UGL	EE
ASB 4	013088	IRON		12.0000	UGL	EE
ASB 4	013088	MERCURY	LT	0.2000	UGL	EE
ASB 4	013088	MANGANESE		2.0000	UGL	EE
ASB 4	013088	SODIUM		4950.0000	UGL	EE
ASB 4	013088	NICKEL	LT	4.0000	UGL	EE
ASB 4	013088	LEAD	LT	6.0000	UGL	EE
ASB 4	013088	PH		5.4000	PH	FD
ASB 4	013088	SULFATE	LT	5000.0000	UGL	EE
ASB 4	013088	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 4	013088	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 4	013088	TOTAL RADIUM		1.6000	PCL	EE
ASB 4	013088	TOTAL ORGANIC HALOGENS		5.0000	UGL	EE
ASB 4	013088	TRICHLOROETHYLENE		1.2900	UGL	EE
ASB 4	013088	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 4	041788	CHLOROFORM	LT	1.0000	UGL	MA
ASB 4	041788	SPECIFIC CONDUCTANCE		40.0000	UMEC	FD
ASB 4	041788	PH		5.4000	PH	FD
ASB 4	041788	TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 4	041788	TRICHLOROETHYLENE		2.3700	UGL	MA
ASB 4	041788	1,1,1-TRICHLOROETHANE		1.5300	UGL	MA
ASB 4	071588	SILVER	LT	2.0000	UGL	EE
ASB 4	071588	GROSS ALPHA		4.0000	PCL	EE
ASB 4	071588	ARSENIC	LT	2.0000	UGL	EE
ASB 4	071588	BARIUM		14.0000	UGL	EE
ASB 4	071588	NONVOLATILE BETA		4.5100	PCL	EE
ASB 4	071588	CALCIUM		1600.0000	UGL	EE
ASB 4	071588	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 4	071588	CARBON TETRACHLORIDE		95.3000	PER	EE
ASB 4	071588	CADMIUM	LT	2.0000	UGL	EE
ASB 4	071588	CERIUM 144		0.0000	PCML	SR
ASB 4	071588	CHLOROFORM	LT	1.0000	UGL	EE
ASB 4	071588	CHLOROFORM		98.4000	PER	EE
ASB 4	071588	CHLOROFORM	LT	1.0000	UGL	MA
ASB 4	071588	CHLOROFORM		92.3000	PER	MA
ASB 4	071588	CHLORIDE		3200.0000	UGL	EE
ASB 4	071588	SPECIFIC CONDUCTANCE		45.0000	UMEC	FD
ASB 4	071588	COBALT 60		0.0000	PCML	SR
ASB 4	071588	CHROMIUM	LT	4.0000	UGL	EE
ASB 4	071588	CHROMIUM 51		0.0000	PCML	SR
ASB 4	071588	CESIUM 134		0.0000	PCML	SR
ASB 4	071588	CESIUM 137		0.0000	PCML	SR
ASB 4	071588	FLUORIDE	LT	100.0000	UGL	EE
ASB 4	071588	IRON		21.0000	UGL	EE
ASB 4	071588	MERCURY	LT	0.2000	UGL	EE
ASB 4	071588	IODINE 131		0.0000	PCML	SR
ASB 4	071588	POTASSIUM		793.0000	UGL	EE
ASB 4	071588	MAGNESIUM		873.0000	UGL	EE
ASB 4	071588	MANGANESE		3.0000	UGL	EE

Raw Data for ASB 4

ASB	4	071588	SODIUM		4610.0000	UGL	EE
ASB	4	071588	NITRATE AS NITROGEN		400.0000	UGL	EE
ASB	4	071588	LEAD	LT	6.0000	UGL	EE
ASB	4	071588	LEAD 214		0.0440	PCML	SR
ASB	4	071588	PH		5.4000	PH	FD
ASB	4	071588	PHENOLS	LT	5.0000	UGL	EE
ASB	4	071588	RUTHENIUM 103		0.0000	PCML	SR
ASB	4	071588	RUTHENIUM 106		0.0000	PCML	SR
ASB	4	071588	ANTIMONY 125		0.0000	PCML	SR
ASB	4	071588	SELENIUM	LT	2.0000	UGL	EE
ASB	4	071588	SILICA		2340.0000	UGL	EE
ASB	4	071588	SILICA		2420.0000	UGL	EE
ASB	4	071588	SULFATE	LT	5000.0000	UGL	EE
ASB	4	071588	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB	4	071588	TETRACHLOROETHYLENE		92.5000	PER	EE
ASB	4	071588	TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	4	071588	TETRACHLOROETHYLENE		98.3000	PER	MA
ASB	4	071588	TOTAL DISSOLVED SOLIDS		33000.0000	UGL	EE
ASB	4	071588	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	4	071588	TOTAL RADIUM		1.0000	PCL	EE
ASB	4	071588	TOTAL ORGANIC HALOGENS		7.0000	UGL	EE
ASB	4	071588	TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB	4	071588	TRICHLOROETHYLENE		1.6900	UGL	EE
ASB	4	071588	TRICHLOROETHYLENE		113.0000	PER	EE
ASB	4	071588	TRICHLOROETHYLENE		1.2300	UGL	MA
ASB	4	071588	TRICHLOROETHYLENE		140.0000	PER	MA
ASB	4	071588	TRITIUM		1.0500	PCML	EE
ASB	4	071588	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB	4	071588	TRANS-1,2-DICHLOROETHENE		78.7000	PER	MA
ASB	4	071588	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	4	071588	1,1-DICHLOROETHYLENE		85.7000	PER	MA
ASB	4	071588	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	4	071588	1,1,1-TRICHLOROETHANE		100.0000	PER	EE
ASB	4	071588	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB	4	071588	1,1,1-TRICHLOROETHANE		88.0000	PER	MA
ASB	4	071588	ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB	4	100288	CHLOROFORM	LT	1.0000	UGL	MA
ASB	4	100288	SPECIFIC CONDUCTANCE		43.0000	UMBC	FD
ASB	4	100288	PH		5.2000	PH	PD
ASB	4	100288	TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	4	100288	TRICHLOROETHYLENE		3.0500	UGL	MA
ASB	4	100288	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB	4	100288	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB	4	100288	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB	4	032689	SILVER	LT	2.0000	UGL	EE
ASB	4	032689	SILVER	LT	2.0000	UGL	EE
ASB	4	032689	GROSS ALPHA		2.2600	PCL	RM
ASB	4	032689	AMERICIUM 241	LT	0.5000	PCL	TE
ASB	4	032689	ARSENIC	LT	2.0000	UGL	EE
ASB	4	032689	ARSENIC	LT	2.0000	UGL	EE
ASB	4	032689	BARIUM		10.0000	UGL	EE
ASB	4	032689	BARIUM 140	LT	7.0000	PCL	TE
ASB	4	032689	NONVOLATILE BETA		1.8900	PCL	RM
ASB	4	032689	BERYLLIUM 7	LT	30.0000	PCL	TE
ASB	4	032689	CALCIUM		980.0000	UGL	EE
ASB	4	032689	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	4	032689	CADMIUM	LT	2.0000	UGL	EE
ASB	4	032689	CERIUM 141	LT	8.0000	PCL	TE
ASB	4	032689	CERIUM 144		0.0000	PCML	SR
ASB	4	032689	CERIUM 144	LT	30.0000	PCL	TE
ASB	4	032689	CHLOROFORM	LT	1.0000	UGL	EE
ASB	4	032689	CHLOROFORM	LT	1.0000	UGL	MA
ASB	4	032689	CHLORIDE		3500.0000	UGL	EE
ASB	4	032689	CURIUM 242	LT	0.4000	PCL	TE

Raw Data for ASB 4

ASB 4	032689	CURIUM 243/244	LT	0.3000	PCL	TE
ASB 4	032689	SPECIFIC CONDUCTANCE		40.0000	UMHC	FD
ASB 4	032689	SPECIFIC CONDUCTANCE		40.0000	UMHC	FD
ASB 4	032689	COBALT 58	LT	4.0000	PCL	TE
ASB 4	032689	COBALT 60		0.0000	PCML	SR
ASB 4	032689	COBALT 60	LT	4.0000	PCL	TE
ASB 4	032689	CHROMIUM	LT	4.0000	UGL	EE
ASB 4	032689	CHROMIUM 51		0.0000	PCML	SR
ASB 4	032689	CESIUM 134		0.0000	PCML	SR
ASB 4	032689	CESIUM 134	LT	4.0000	PCL	TE
ASB 4	032689	CESIUM 137		0.0000	PCML	SR
ASB 4	032689	CESIUM 137	LT	4.0000	PCL	TE
ASB 4	032689	COPPER		6.0000	UGL	EE
ASB 4	032689	FLUORIDE	LT	100.0000	UGL	EE
ASB 4	032689	IRON		62.0000	UGL	EE
ASB 4	032689	IRON 59	LT	8.0000	PCL	TE
ASB 4	032689	MERCURY	LT	0.2000	UGL	EE
ASB 4	032689	IODINE 131		0.0000	PCML	SR
ASB 4	032689	IODINE 131	LT	8.0000	PCL	TE
ASB 4	032689	POTASSIUM		603.0000	UGL	EE
ASB 4	032689	POTASSIUM 40	LT	60.0000	PCL	TE
ASB 4	032689	MAGNESIUM		638.0000	UGL	EE
ASB 4	032689	MANGANESE		2.0000	UGL	EE
ASB 4	032689	MANGANESE 54	LT	3.0000	PCL	TE
ASB 4	032689	SODIUM		4340.0000	UGL	EE
ASB 4	032689	NICKEL	LT	4.0000	UGL	EE
ASB 4	032689	NITRATE AS NITROGEN		412.0000	UGL	EE
ASB 4	032689	LEAD	LT	6.0000	UGL	EE
ASB 4	032689	PH		5.6000	PH	FD
ASB 4	032689	PH		5.6000	PH	FD
ASB 4	032689	PHENOLS	LT	5.0000	UGL	EE
ASB 4	032689	PLUTONIUM 238	LT	0.7000	PCL	TE
ASB 4	032689	PLUTONIUM 239/240	LT	0.4000	PCL	TE
ASB 4	032689	RADIUM 226	LT	80.0000	PCL	TE
ASB 4	032689	RADIUM 226		1.9000	PCL	TE
ASB 4	032689	RADIUM 228	LT	1.0000	PCL	TE
ASB 4	032689	RUTHENIUM 103		0.0000	PCML	SR
ASB 4	032689	RUTHENIUM 103	LT	4.0000	PCL	TE
ASB 4	032689	RUTHENIUM 106		0.0000	PCML	SR
ASB 4	032689	RUTHENIUM 106	LT	30.0000	PCL	TE
ASB 4	032689	ANTIMONY 125		0.0000	PCML	SR
ASB 4	032689	SELENIUM	LT	2.0000	UGL	EE
ASB 4	032689	SELENIUM	LT	2.0000	UGL	EE
ASB 4	032689	SILICA		5560.0000	UGL	EE
ASB 4	032689	SULFATE	LT	5000.0000	UGL	EE
ASB 4	032689	STRONTIUM 89	LT	4.0000	PCL	TE
ASB 4	032689	STRONTIUM 90	LT	1.0000	PCL	TE
ASB 4	032689	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 4	032689	TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 4	032689	TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB 4	032689	THORIUM 228	LT	7.0000	PCL	TE
ASB 4	032689	TOTAL ORGANIC CARBON		1100.0000	UGL	EE
ASB 4	032689	TOTAL RADIUM	LT	1.0000	PCL	RM
ASB 4	032689	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 4	032689	TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB 4	032689	TRICHLOROETHYLENE		1.5900	UGL	EE
ASB 4	032689	TRICHLOROETHYLENE		1.1200	UGL	MA
ASB 4	032689	TRITIUM	LT	1.0000	PCML	RM
ASB 4	032689	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 4	032689	URANIUM 234	LT	2.0000	PCL	TE
ASB 4	032689	URANIUM 235	LT	1.0000	PCL	TE
ASB 4	032689	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 4	032689	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 4	032689	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA

Raw Data for ASB 4

ASB	4	032689	ZINC	65	LT	8.0000	PCL	TE
ASB	4	032689	ZIRCONIUM/NIOBIUM	95		0.0000	PCML	SR
ASB	4	032689	ZIRCONIUM	95	LT	4.0000	PCL	TE

T-Test Data

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
1	ASB	BKG	12687	ALUMINUM	43.00
2	ASB	BKG	12987	ALUMINUM	35.33
3	ASB	BKG	20789	ALUMINUM	80.00
4	ASB	BKG	22488	ALUMINUM	59.00
5	ASB	BKG	31289	ALUMINUM	46.50
6	ASB	BKG	40687	ALUMINUM	42.50
7	ASB	BKG	51088	ALUMINUM	253.00
8	ASB	BKG	51188	ALUMINUM	314.00
9	ASB	BKG	61886	ALUMINUM	62.00
10	ASB	BKG	72286	ALUMINUM	37.50
11	ASB	BKG	72388	ALUMINUM	45.00
12	ASB	BKG	80487	ALUMINUM	61.00
13	ASB	BKG	81388	ALUMINUM	42.00
14	ASB	BKG	81488	ALUMINUM	43.00
15	ASB	BKG	102888	ALUMINUM	51.00
16	ASB	BKG	110286	ALUMINUM	33.00
17	ASB	BKG	110388	ALUMINUM	37.67
18	ASB	BKG	110888	ALUMINUM	44.00
19	ASB	BKG	121787	ALUMINUM	74.00
20	ASB	BKG	121987	ALUMINUM	79.00
21	ASB	4	20787	BARIUM	16.50
22	ASB	4	22785	BARIUM	18.00
23	ASB	4	32689	BARIUM	10.00
24	ASB	4	71588	BARIUM	14.00
25	ASB	4	80684	BARIUM	17.00
26	ASB	4	102284	BARIUM	20.00
27	ASB	BKG	12687	BARIUM	7.50
28	ASB	BKG	12987	BARIUM	3.33
29	ASB	BKG	20789	BARIUM	5.00
30	ASB	BKG	22488	BARIUM	8.00
31	ASB	BKG	31289	BARIUM	8.50
32	ASB	BKG	51088	BARIUM	7.00
33	ASB	BKG	51188	BARIUM	2.00
34	ASB	BKG	61886	BARIUM	2.00
35	ASB	BKG	72286	BARIUM	4.00
36	ASB	BKG	72388	BARIUM	7.00
37	ASB	BKG	80487	BARIUM	8.50
38	ASB	BKG	81388	BARIUM	2.00
39	ASB	BKG	81488	BARIUM	6.00
40	ASB	BKG	102888	BARIUM	4.00
41	ASB	BKG	110286	BARIUM	2.00
42	ASB	BKG	110388	BARIUM	7.00
43	ASB	BKG	110888	BARIUM	9.00
44	ASB	BKG	121787	BARIUM	14.00
45	ASB	BKG	121987	BARIUM	5.00
46	ASB	4	20787	CALCIUM	2040.00
47	ASB	4	32689	CALCIUM	980.00
48	ASB	4	71588	CALCIUM	1800.00
49	ASB	BKG	12687	CALCIUM	285.00
50	ASB	BKG	12987	CALCIUM	878.33
51	ASB	BKG	110286	CALCIUM	983.50
52	ASB	BKG	110388	CALCIUM	655.00
53	ASB	4	13088	CHLORIDE	2300.00
54	ASB	4	20787	CHLORIDE	5300.00

T-Test Data for ASB 4

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
55	ASB	4	21186	CHLORIDE	5200.00
56	ASB	4	22785	CHLORIDE	3400.00
57	ASB	4	32689	CHLORIDE	3500.00
58	ASB	4	71588	CHLORIDE	3200.00
59	ASB	4	80684	CHLORIDE	4300.00
60	ASB	4	102284	CHLORIDE	4700.00
61	ASB	BKG	12687	CHLORIDE	2500.00
62	ASB	BKG	12987	CHLORIDE	2900.00
63	ASB	BKG	20789	CHLORIDE	2200.00
64	ASB	BKG	22488	CHLORIDE	2150.00
65	ASB	BKG	31289	CHLORIDE	2500.00
66	ASB	BKG	51088	CHLORIDE	2450.00
67	ASB	BKG	51188	CHLORIDE	2000.00
68	ASB	BKG	61886	CHLORIDE	4166.67
69	ASB	BKG	72286	CHLORIDE	2270.00
70	ASB	BKG	72386	CHLORIDE	2270.00
71	ASB	BKG	80487	CHLORIDE	2950.00
72	ASB	BKG	81388	CHLORIDE	2400.00
73	ASB	BKG	81488	CHLORIDE	2300.00
74	ASB	BKG	102888	CHLORIDE	2100.00
75	ASB	BKG	110286	CHLORIDE	3400.00
76	ASB	BKG	110386	CHLORIDE	2800.00
77	ASB	BKG	110888	CHLORIDE	2200.00
78	ASB	BKG	121987	CHLORIDE	2400.00
79	ASB	4	13088	COPPER	2.00
80	ASB	4	20787	COPPER	19.00
81	ASB	4	32689	COPPER	6.00
82	ASB	4	80684	COPPER	2.00
83	ASB	4	102284	COPPER	7.00
84	ASB	BKG	12687	COPPER	4.50
85	ASB	BKG	12987	COPPER	2.00
86	ASB	BKG	20789	COPPER	11.00
87	ASB	BKG	22488	COPPER	7.50
88	ASB	BKG	31289	COPPER	5.50
89	ASB	BKG	51088	COPPER	6.00
90	ASB	BKG	51188	COPPER	5.00
91	ASB	BKG	61886	COPPER	5.50
92	ASB	BKG	72286	COPPER	6.00
93	ASB	BKG	72386	COPPER	3.00
94	ASB	BKG	80487	COPPER	8.50
95	ASB	BKG	81388	COPPER	2.00
96	ASB	BKG	81488	COPPER	4.00
97	ASB	BKG	102888	COPPER	5.00
98	ASB	BKG	110286	COPPER	9.50
99	ASB	BKG	110386	COPPER	9.00
100	ASB	BKG	110888	COPPER	15.00
101	ASB	BKG	121787	COPPER	15.00
102	ASB	BKG	121987	COPPER	5.00
103	ASB	4	13088	GROSS ALPHA	5.00
104	ASB	4	20787	GROSS ALPHA	3.00
105	ASB	4	21186	GROSS ALPHA	12.00
106	ASB	4	22785	GROSS ALPHA	6.00
107	ASB	4	32689	GROSS ALPHA	2.00
108	ASB	4	71588	GROSS ALPHA	4.00

T-Test Data for ASB 4

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
109	ASB	4	80486	GROSS ALPHA	4.00
110	ASB	4	80587	GROSS ALPHA	3.00
111	ASB	4	80684	GROSS ALPHA	7.00
112	ASB	4	102284	GROSS ALPHA	8.00
113	ASB	BKG	12687	GROSS ALPHA	7.00
114	ASB	BKG	12987	GROSS ALPHA	1.00
115	ASB	BKG	20789	GROSS ALPHA	1.50
116	ASB	BKG	22488	GROSS ALPHA	14.50
117	ASB	BKG	31289	GROSS ALPHA	23.75
118	ASB	BKG	40687	GROSS ALPHA	5.25
119	ASB	BKG	61886	GROSS ALPHA	5.75
120	ASB	BKG	72286	GROSS ALPHA	1.50
121	ASB	BKG	72386	GROSS ALPHA	7.00
122	ASB	BKG	80487	GROSS ALPHA	3.75
123	ASB	BKG	110286	GROSS ALPHA	1.50
124	ASB	BKG	110386	GROSS ALPHA	7.50
125	ASB	BKG	121787	GROSS ALPHA	22.00
126	ASB	BKG	121987	GROSS ALPHA	1.00
127	ASB	4	13088	IRON	12.00
128	ASB	4	20787	IRON	106.50
129	ASB	4	21186	IRON	366.00
130	ASB	4	22785	IRON	445.00
131	ASB	4	32689	IRON	62.00
132	ASB	4	71588	IRON	21.00
133	ASB	4	80587	IRON	740.00
134	ASB	4	80684	IRON	439.00
135	ASB	4	102284	IRON	1690.00
136	ASB	BKG	12687	IRON	19.50
137	ASB	BKG	12987	IRON	31.50
138	ASB	BKG	61886	IRON	39.00
139	ASB	BKG	72286	IRON	31.50
140	ASB	BKG	72386	IRON	31.33
141	ASB	BKG	80487	IRON	76.50
142	ASB	BKG	110286	IRON	33.50
143	ASB	BKG	110386	IRON	27.67
144	ASB	BKG	121787	IRON	33.00
145	ASB	BKG	121987	IRON	40.00
146	ASB	4	13088	LEAD	3.00
147	ASB	4	20787	LEAD	4.50
148	ASB	4	22785	LEAD	9.00
149	ASB	4	32689	LEAD	3.00
150	ASB	4	41686	LEAD	8.00
151	ASB	4	42385	LEAD	6.00
152	ASB	4	71585	LEAD	11.00
153	ASB	4	71588	LEAD	3.00
154	ASB	4	80486	LEAD	10.00
155	ASB	4	80587	LEAD	3.00
156	ASB	4	80684	LEAD	2.00
157	ASB	4	102284	LEAD	10.00
158	ASB	4	102985	LEAD	11.00
159	ASB	BKG	12687	LEAD	11.50
160	ASB	BKG	12987	LEAD	8.67
161	ASB	BKG	20789	LEAD	20.00
162	ASB	BKG	22488	LEAD	8.50

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
163	ASB	BKG	31289	LEAD	3.000
164	ASB	BKG	40687	LEAD	11.000
165	ASB	BKG	51088	LEAD	11.000
166	ASB	BKG	51188	LEAD	9.000
167	ASB	BKG	61886	LEAD	24.500
168	ASB	BKG	72286	LEAD	22.500
169	ASB	BKG	72386	LEAD	28.333
170	ASB	BKG	80487	LEAD	9.500
171	ASB	BKG	81388	LEAD	3.000
172	ASB	BKG	81488	LEAD	3.000
173	ASB	BKG	102888	LEAD	9.500
174	ASB	BKG	110286	LEAD	17.000
175	ASB	BKG	110386	LEAD	17.667
176	ASB	BKG	110888	LEAD	15.000
177	ASB	BKG	121787	LEAD	8.000
178	ASB	BKG	121987	LEAD	9.000
179	ASB	BKG	12687	MAGNESIUM	435.000
180	ASB	BKG	12987	MAGNESIUM	481.000
181	ASB	BKG	110286	MAGNESIUM	485.000
182	ASB	BKG	110386	MAGNESIUM	443.333
183	ASB	4	13088	MANGANESE	2.000
184	ASB	4	20787	MANGANESE	6.000
185	ASB	4	21186	MANGANESE	18.000
186	ASB	4	22785	MANGANESE	13.000
187	ASB	4	32689	MANGANESE	2.000
188	ASB	4	71588	MANGANESE	3.000
189	ASB	4	80486	MANGANESE	9.000
190	ASB	4	80587	MANGANESE	8.000
191	ASB	4	80684	MANGANESE	40.000
192	ASB	4	102284	MANGANESE	29.000
193	ASB	BKG	12687	MANGANESE	3.500
194	ASB	BKG	12987	MANGANESE	19.333
195	ASB	BKG	20789	MANGANESE	17.000
196	ASB	BKG	31289	MANGANESE	3.500
197	ASB	BKG	61886	MANGANESE	14.000
198	ASB	BKG	72286	MANGANESE	24.500
199	ASB	BKG	72386	MANGANESE	5.000
200	ASB	BKG	80487	MANGANESE	11.000
201	ASB	BKG	81388	MANGANESE	13.000
202	ASB	BKG	81488	MANGANESE	3.000
203	ASB	BKG	110286	MANGANESE	21.000
204	ASB	BKG	110386	MANGANESE	5.000
205	ASB	BKG	121787	MANGANESE	14.000
206	ASB	BKG	121987	MANGANESE	15.000
207	ASB	4	13088	NICKEL	2.000
208	ASB	4	20787	NICKEL	30.500
209	ASB	4	32689	NICKEL	2.000
210	ASB	4	41686	NICKEL	11.000
211	ASB	4	80684	NICKEL	21.000
212	ASB	4	102284	NICKEL	25.000
213	ASB	4	20787	NITRATE AS NITROGEN	160.000
214	ASB	4	22785	NITRATE AS NITROGEN	250.000
215	ASB	4	32689	NITRATE AS NITROGEN	412.000
216	ASB	4	71588	NITRATE AS NITROGEN	400.000

T-Test Data for ASB 4

SAS 13:56 Saturday, August 5, 1989 92

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
217	ASB	4	80684	NITRATE AS NITROGEN	250.00
218	ASB	4	102284	NITRATE AS NITROGEN	250.00
219	ASB	BKG	12687	NITRATE AS NITROGEN	2180.00
220	ASB	BKG	12987	NITRATE AS NITROGEN	1200.00
221	ASB	BKG	20789	NITRATE AS NITROGEN	998.00
222	ASB	BKG	22488	NITRATE AS NITROGEN	1525.00
223	ASB	BKG	31289	NITRATE AS NITROGEN	1990.00
224	ASB	BKG	40687	NITRATE AS NITROGEN	1670.00
225	ASB	BKG	51088	NITRATE AS NITROGEN	1560.00
226	ASB	BKG	51188	NITRATE AS NITROGEN	880.00
227	ASB	BKG	61886	NITRATE AS NITROGEN	1783.33
228	ASB	BKG	72286	NITRATE AS NITROGEN	1190.00
229	ASB	BKG	72386	NITRATE AS NITROGEN	2070.00
230	ASB	BKG	80487	NITRATE AS NITROGEN	1675.00
231	ASB	BKG	81388	NITRATE AS NITROGEN	1080.00
232	ASB	BKG	81488	NITRATE AS NITROGEN	1980.00
233	ASB	BKG	102888	NITRATE AS NITROGEN	1210.00
234	ASB	BKG	110286	NITRATE AS NITROGEN	1170.00
235	ASB	BKG	110386	NITRATE AS NITROGEN	2140.00
236	ASB	BKG	110888	NITRATE AS NITROGEN	2240.00
237	ASB	BKG	121787	NITRATE AS NITROGEN	3040.00
238	ASB	BKG	121987	NITRATE AS NITROGEN	1370.00
239	ASB	4	13088	NONVOLATILE BETA	4.00
240	ASB	4	20787	NONVOLATILE BETA	3.00
241	ASB	4	21188	NONVOLATILE BETA	9.00
242	ASB	4	22785	NONVOLATILE BETA	4.00
243	ASB	4	32689	NONVOLATILE BETA	2.00
244	ASB	4	71588	NONVOLATILE BETA	5.00
245	ASB	4	80684	NONVOLATILE BETA	1.50
246	ASB	4	102284	NONVOLATILE BETA	1.50
247	ASB	BKG	12687	NONVOLATILE BETA	5.00
248	ASB	BKG	12987	NONVOLATILE BETA	2.00
249	ASB	BKG	20789	NONVOLATILE BETA	1.00
250	ASB	BKG	22488	NONVOLATILE BETA	8.67
251	ASB	BKG	31289	NONVOLATILE BETA	14.25
252	ASB	BKG	40687	NONVOLATILE BETA	4.50
253	ASB	BKG	61886	NONVOLATILE BETA	4.00
254	ASB	BKG	72286	NONVOLATILE BETA	1.00
255	ASB	BKG	72386	NONVOLATILE BETA	4.00
256	ASB	BKG	80487	NONVOLATILE BETA	3.00
257	ASB	BKG	110286	NONVOLATILE BETA	1.00
258	ASB	BKG	110386	NONVOLATILE BETA	5.50
259	ASB	BKG	121787	NONVOLATILE BETA	14.00
260	ASB	BKG	121987	NONVOLATILE BETA	3.00
261	ASB	4	12583	PH	5.00
262	ASB	4	13088	PH	5.00
263	ASB	4	20787	PH	5.00
264	ASB	4	21186	PH	5.00
265	ASB	4	22785	PH	5.00
266	ASB	4	30184	PH	6.00
267	ASB	4	32689	PH	6.00
268	ASB	4	41184	PH	6.00
269	ASB	4	41686	PH	5.00
270	ASB	4	41788	PH	5.00

T-Test Data for ASB 4

SAS 13:56 Saturday, August 5, 1989 93

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
271	ASB	4	41983	PH	5.0
272	ASB	4	42385	PH	5.0
273	ASB	4	42687	PH	4.0
274	ASB	4	52682	PH	6.0
275	ASB	4	71585	PH	5.0
276	ASB	4	71588	PH	5.0
277	ASB	4	80486	PH	6.0
278	ASB	4	80587	PH	6.0
279	ASB	4	80683	PH	5.0
280	ASB	4	80684	PH	5.0
281	ASB	4	81282	PH	6.0
282	ASB	4	100288	PH	5.0
283	ASB	4	101286	PH	5.0
284	ASB	4	101887	PH	5.0
285	ASB	4	101982	PH	5.0
286	ASB	4	102284	PH	5.0
287	ASB	4	102985	PH	5.0
288	ASB	4	112883	PH	5.0
289	ASB	BKG	12687	PH	5.0
290	ASB	BKG	12987	PH	4.0
291	ASB	BKG	20789	PH	5.0
292	ASB	BKG	22488	PH	5.0
293	ASB	BKG	31289	PH	4.0
294	ASB	BKG	40687	PH	4.5
295	ASB	BKG	51088	PH	4.0
296	ASB	BKG	51188	PH	5.0
297	ASB	BKG	61886	PH	5.0
298	ASB	BKG	72286	PH	5.0
299	ASB	BKG	72386	PH	5.0
300	ASB	BKG	80487	PH	5.0
301	ASB	BKG	81388	PH	5.0
302	ASB	BKG	81488	PH	4.0
303	ASB	BKG	90687	PH	5.0
304	ASB	BKG	90887	PH	5.0
305	ASB	BKG	102888	PH	5.0
306	ASB	BKG	110286	PH	4.0
307	ASB	BKG	110386	PH	4.0
308	ASB	BKG	110888	PH	5.0
309	ASB	BKG	121787	PH	4.0
310	ASB	BKG	121987	PH	5.0
311	ASB	4	13088	SODIUM	4950.0
312	ASB	4	20787	SODIUM	3185.0
313	ASB	4	21186	SODIUM	2350.0
314	ASB	4	22785	SODIUM	2280.0
315	ASB	4	32689	SODIUM	4340.0
316	ASB	4	42385	SODIUM	1780.0
317	ASB	4	71585	SODIUM	2090.0
318	ASB	4	71588	SODIUM	4610.0
319	ASB	4	80587	SODIUM	3480.0
320	ASB	4	80684	SODIUM	2255.0
321	ASB	4	101286	SODIUM	3250.0
322	ASB	4	102284	SODIUM	1970.0
323	ASB	4	102985	SODIUM	2550.0
324	ASB	BKG	12687	SODIUM	4475.0

T-Test Data for ASB 4

SAS 13:56 Saturday, August 5, 1989 94

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
325	ASB	BKG	12987	SODIUM	1990.0
326	ASB	BKG	20789	SODIUM	1740.0
327	ASB	BKG	22488	SODIUM	2610.0
328	ASB	BKG	31289	SODIUM	2530.0
329	ASB	BKG	40687	SODIUM	2840.0
330	ASB	BKG	51088	SODIUM	3700.0
331	ASB	BKG	51188	SODIUM	1680.0
332	ASB	BKG	61888	SODIUM	2620.0
333	ASB	BKG	72286	SODIUM	1935.0
334	ASB	BKG	72386	SODIUM	4330.0
335	ASB	BKG	80487	SODIUM	2620.0
336	ASB	BKG	81388	SODIUM	1630.0
337	ASB	BKG	81488	SODIUM	3360.0
338	ASB	BKG	102888	SODIUM	1730.0
339	ASB	BKG	110288	SODIUM	1725.0
340	ASB	BKG	110388	SODIUM	3880.0
341	ASB	BKG	110888	SODIUM	3280.0
342	ASB	BKG	121787	SODIUM	3480.0
343	ASB	BKG	121987	SODIUM	1660.0
344	ASB	4	12583	SPECIFIC CONDUCTANCE	40.0
345	ASB	4	13088	SPECIFIC CONDUCTANCE	39.0
346	ASB	4	20787	SPECIFIC CONDUCTANCE	60.0
347	ASB	4	21186	SPECIFIC CONDUCTANCE	43.0
348	ASB	4	22785	SPECIFIC CONDUCTANCE	69.0
349	ASB	4	30184	SPECIFIC CONDUCTANCE	25.0
350	ASB	4	32689	SPECIFIC CONDUCTANCE	40.0
351	ASB	4	41184	SPECIFIC CONDUCTANCE	41.0
352	ASB	4	41686	SPECIFIC CONDUCTANCE	47.0
353	ASB	4	41788	SPECIFIC CONDUCTANCE	40.0
354	ASB	4	41983	SPECIFIC CONDUCTANCE	41.0
355	ASB	4	42385	SPECIFIC CONDUCTANCE	50.0
356	ASB	4	42687	SPECIFIC CONDUCTANCE	50.0
357	ASB	4	52682	SPECIFIC CONDUCTANCE	109.0
358	ASB	4	71585	SPECIFIC CONDUCTANCE	42.0
359	ASB	4	71588	SPECIFIC CONDUCTANCE	45.0
360	ASB	4	80486	SPECIFIC CONDUCTANCE	58.0
361	ASB	4	80587	SPECIFIC CONDUCTANCE	46.0
362	ASB	4	80683	SPECIFIC CONDUCTANCE	74.0
363	ASB	4	80684	SPECIFIC CONDUCTANCE	56.0
364	ASB	4	81282	SPECIFIC CONDUCTANCE	36.0
365	ASB	4	100288	SPECIFIC CONDUCTANCE	43.0
366	ASB	4	101286	SPECIFIC CONDUCTANCE	50.0
367	ASB	4	101887	SPECIFIC CONDUCTANCE	45.0
368	ASB	4	101982	SPECIFIC CONDUCTANCE	50.0
369	ASB	4	102284	SPECIFIC CONDUCTANCE	84.0
370	ASB	4	102985	SPECIFIC CONDUCTANCE	38.0
371	ASB	4	112883	SPECIFIC CONDUCTANCE	26.0
372	ASB	BKG	12687	SPECIFIC CONDUCTANCE	19.0
373	ASB	BKG	12987	SPECIFIC CONDUCTANCE	28.0
374	ASB	BKG	20789	SPECIFIC CONDUCTANCE	28.0
375	ASB	BKG	22488	SPECIFIC CONDUCTANCE	31.5
376	ASB	BKG	31289	SPECIFIC CONDUCTANCE	35.0
377	ASB	BKG	40687	SPECIFIC CONDUCTANCE	30.0
378	ASB	BKG	51088	SPECIFIC CONDUCTANCE	38.0

T-Test Data for ASB 4

SAS 13:56 Saturday, August 5, 1989 95

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
379	ASB	BKG	51188	SPECIFIC CONDUCTANCE	24.0
380	ASB	BKG	61886	SPECIFIC CONDUCTANCE	26.0
381	ASB	BKG	72286	SPECIFIC CONDUCTANCE	26.0
382	ASB	BKG	72386	SPECIFIC CONDUCTANCE	40.0
383	ASB	BKG	80487	SPECIFIC CONDUCTANCE	31.0
384	ASB	BKG	81388	SPECIFIC CONDUCTANCE	25.0
385	ASB	BKG	81488	SPECIFIC CONDUCTANCE	36.0
386	ASB	BKG	90687	SPECIFIC CONDUCTANCE	29.0
387	ASB	BKG	90887	SPECIFIC CONDUCTANCE	38.0
388	ASB	BKG	102888	SPECIFIC CONDUCTANCE	25.0
389	ASB	BKG	110286	SPECIFIC CONDUCTANCE	32.0
390	ASB	BKG	110386	SPECIFIC CONDUCTANCE	43.0
391	ASB	BKG	110888	SPECIFIC CONDUCTANCE	35.0
392	ASB	BKG	121787	SPECIFIC CONDUCTANCE	28.0
393	ASB	BKG	121987	SPECIFIC CONDUCTANCE	20.0
394	ASB	4	20787	TOTAL DISSOLVED SOLIDS	12000.0
395	ASB	4	32689	TOTAL DISSOLVED SOLIDS	20000.0
396	ASB	4	71588	TOTAL DISSOLVED SOLIDS	33000.0
397	ASB	4	80684	TOTAL DISSOLVED SOLIDS	3542000.0
398	ASB	4	102284	TOTAL DISSOLVED SOLIDS	70000.0
399	ASB	BKG	12687	TOTAL DISSOLVED SOLIDS	22000.0
400	ASB	BKG	12987	TOTAL DISSOLVED SOLIDS	32000.0
401	ASB	BKG	20789	TOTAL DISSOLVED SOLIDS	2500.0
402	ASB	BKG	22488	TOTAL DISSOLVED SOLIDS	24000.0
403	ASB	BKG	31288	TOTAL DISSOLVED SOLIDS	23000.0
404	ASB	BKG	40687	TOTAL DISSOLVED SOLIDS	28400.0
405	ASB	BKG	51088	TOTAL DISSOLVED SOLIDS	40000.0
406	ASB	BKG	51188	TOTAL DISSOLVED SOLIDS	26000.0
407	ASB	BKG	80487	TOTAL DISSOLVED SOLIDS	64000.0
408	ASB	BKG	81388	TOTAL DISSOLVED SOLIDS	28000.0
409	ASB	BKG	81488	TOTAL DISSOLVED SOLIDS	31000.0
410	ASB	BKG	102888	TOTAL DISSOLVED SOLIDS	112000.0
411	ASB	BKG	110888	TOTAL DISSOLVED SOLIDS	59000.0
412	ASB	BKG	121787	TOTAL DISSOLVED SOLIDS	9000.0
413	ASB	BKG	121987	TOTAL DISSOLVED SOLIDS	52000.0
414	ASB	4	13088	TOTAL ORGANIC CARBON	500.0
415	ASB	4	20787	TOTAL ORGANIC CARBON	5100.0
416	ASB	4	21186	TOTAL ORGANIC CARBON	14500.0
417	ASB	4	22785	TOTAL ORGANIC CARBON	4370.0
418	ASB	4	32689	TOTAL ORGANIC CARBON	1100.0
419	ASB	4	42385	TOTAL ORGANIC CARBON	4235.0
420	ASB	4	71585	TOTAL ORGANIC CARBON	4080.0
421	ASB	4	71588	TOTAL ORGANIC CARBON	500.0
422	ASB	4	80486	TOTAL ORGANIC CARBON	2000.0
423	ASB	4	80587	TOTAL ORGANIC CARBON	500.0
424	ASB	4	80684	TOTAL ORGANIC CARBON	2500.0
425	ASB	4	102284	TOTAL ORGANIC CARBON	2500.0
426	ASB	4	102985	TOTAL ORGANIC CARBON	900.0
427	ASB	4	13088	TOTAL ORGANIC HALOGENS	5.0
428	ASB	4	20787	TOTAL ORGANIC HALOGENS	6.0
429	ASB	4	21186	TOTAL ORGANIC HALOGENS	71.0
430	ASB	4	22785	TOTAL ORGANIC HALOGENS	11.0
431	ASB	4	32689	TOTAL ORGANIC HALOGENS	2.5
432	ASB	4	42385	TOTAL ORGANIC HALOGENS	11.0

T-Test Data for ASB 4

SAS 13:56 Saturday, August 5, 1989 96

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
433	ASB	4	71585	TOTAL ORGANIC HALOGENS	26.000
434	ASB	4	71588	TOTAL ORGANIC HALOGENS	7.000
435	ASB	4	80486	TOTAL ORGANIC HALOGENS	25.000
436	ASB	4	80587	TOTAL ORGANIC HALOGENS	6.000
437	ASB	4	101286	TOTAL ORGANIC HALOGENS	16.000
438	ASB	4	102985	TOTAL ORGANIC HALOGENS	61.000
439	ASB	BKG	12687	TOTAL PHOSPHATES	30.000
440	ASB	BKG	12987	TOTAL PHOSPHATES	40.000
441	ASB	BKG	20789	TOTAL PHOSPHATES	10.000
442	ASB	BKG	31289	TOTAL PHOSPHATES	13.667
443	ASB	BKG	40687	TOTAL PHOSPHATES	10.000
444	ASB	BKG	51088	TOTAL PHOSPHATES	30.000
445	ASB	BKG	51188	TOTAL PHOSPHATES	40.000
446	ASB	BKG	61886	TOTAL PHOSPHATES	9.500
447	ASB	BKG	72286	TOTAL PHOSPHATES	39.000
448	ASB	BKG	72386	TOTAL PHOSPHATES	42.000
449	ASB	BKG	80487	TOTAL PHOSPHATES	15.000
450	ASB	BKG	81388	TOTAL PHOSPHATES	10.000
451	ASB	BKG	81488	TOTAL PHOSPHATES	10.000
452	ASB	BKG	102888	TOTAL PHOSPHATES	10.000
453	ASB	BKG	110286	TOTAL PHOSPHATES	39.500
454	ASB	BKG	110386	TOTAL PHOSPHATES	37.000
455	ASB	BKG	110888	TOTAL PHOSPHATES	60.000
456	ASB	BKG	121787	TOTAL PHOSPHATES	70.000
457	ASB	BKG	121887	TOTAL PHOSPHATES	100.000
458	ASB	4	13088	TOTAL RADIUM	2.000
459	ASB	4	20787	TOTAL RADIUM	3.000
460	ASB	4	21186	TOTAL RADIUM	6.000
461	ASB	4	22785	TOTAL RADIUM	4.000
462	ASB	4	32689	TOTAL RADIUM	0.500
463	ASB	4	71588	TOTAL RADIUM	1.000
464	ASB	4	80486	TOTAL RADIUM	4.000
465	ASB	4	80587	TOTAL RADIUM	2.000
466	ASB	4	80684	TOTAL RADIUM	4.000
467	ASB	4	102284	TOTAL RADIUM	6.000
468	ASB	BKG	12687	TOTAL RADIUM	7.000
469	ASB	BKG	12987	TOTAL RADIUM	0.500
470	ASB	BKG	20789	TOTAL RADIUM	1.000
471	ASB	BKG	22488	TOTAL RADIUM	4.833
472	ASB	BKG	31289	TOTAL RADIUM	12.000
473	ASB	BKG	40687	TOTAL RADIUM	4.250
474	ASB	BKG	51088	TOTAL RADIUM	6.000
475	ASB	BKG	51188	TOTAL RADIUM	0.500
476	ASB	BKG	61886	TOTAL RADIUM	4.500
477	ASB	BKG	72286	TOTAL RADIUM	1.000
478	ASB	BKG	72386	TOTAL RADIUM	9.000
479	ASB	BKG	80487	TOTAL RADIUM	3.500
480	ASB	BKG	81388	TOTAL RADIUM	1.000
481	ASB	BKG	81488	TOTAL RADIUM	7.000
482	ASB	BKG	102888	TOTAL RADIUM	0.500
483	ASB	BKG	110286	TOTAL RADIUM	0.500
484	ASB	BKG	110386	TOTAL RADIUM	7.500
485	ASB	BKG	110888	TOTAL RADIUM	6.000
486	ASB	BKG	121787	TOTAL RADIUM	6.000

T-Test Data for ASB 4

SAS 13:56 Saturday, August 5, 1989 97

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
487	ASB	BKG	121987	TOTAL RADIUM	0.0000
488	ASB	4	13088	TRICHLOROETHYLENE	1.0000
489	ASB	4	20787	TRICHLOROETHYLENE	5.0000
490	ASB	4	32689	TRICHLOROETHYLENE	2.0000
491	ASB	4	42687	TRICHLOROETHYLENE	6.0000
492	ASB	4	71588	TRICHLOROETHYLENE	2.0000
493	ASB	4	80587	TRICHLOROETHYLENE	10.0000
494	ASB	4	101286	TRICHLOROETHYLENE	22.0000
495	ASB	4	101887	TRICHLOROETHYLENE	5.0000
496	ASB	BKG	40687	TURBIDITY	0.0000
497	ASB	BKG	61886	TURBIDITY	0.6667
498	ASB	BKG	80487	TURBIDITY	0.5000
499	ASB	BKG	121787	TURBIDITY	0.0000
500	ASB	BKG	121987	TURBIDITY	0.0000
501	ASB	4	20787	ZINC	29.5000
502	ASB	4	41686	ZINC	53.0000
503	ASB	4	80684	ZINC	87.0000
504	ASB	4	102284	ZINC	82.0000
505	ASB	BKG	12687	ZINC	7.0000
506	ASB	BKG	12987	ZINC	8.6667
507	ASB	BKG	20789	ZINC	17.0000
508	ASB	BKG	31289	ZINC	11.0000
509	ASB	BKG	51088	ZINC	6.0000
510	ASB	BKG	51188	ZINC	11.0000
511	ASB	BKG	61886	ZINC	9.7500
512	ASB	BKG	72286	ZINC	15.5000
513	ASB	BKG	72386	ZINC	2.0000
514	ASB	BKG	80487	ZINC	46.5000
515	ASB	BKG	81388	ZINC	49.0000
516	ASB	BKG	81488	ZINC	24.0000
517	ASB	BKG	102888	ZINC	44.0000
518	ASB	BKG	110286	ZINC	8.0000
519	ASB	BKG	110386	ZINC	11.3333
520	ASB	BKG	110888	ZINC	12.0000
521	ASB	BKG	121787	ZINC	54.0000
522	ASB	BKG	121987	ZINC	17.0000

Statistical Comparison Results

TTEST PROCEDURE

***** TESTNAME=BARIIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	6	15.91666667	3.49880932	1.42838292	10.00000000	20.00000000
BKG	19	5.78070175	3.06365222	0.70285002	2.00000000	14.00000000

Variances	T	Method	DF	Prob> T
Unequal	6.3670	Satterthwaite	7.6	0.0003
		Cochran	.	0.0009
Equal	6.8423		23.0	0.0000

For H0: Variances are equal, F' = 1.30 DF = (5,18) Prob>F' = 0.6119

***** TESTNAME-CALCIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	3	1540.000000	532.5410782	307.4627349	980.0000000	2040.000000
BKG	4	694.958333	317.6024878	158.8012439	265.0000000	983.500000

Variances	T	Method	DF	Prob> T
Unequal	2.4420	Satterthwaite	3.1	0.0910
		Cochran	.	0.1268
Equal	2.6527		5.0	0.0453

For H0: Variances are equal, F' = 2.81 DF = (2,3) Prob>F' = 0.4104

***** TESTNAME=CHLORIDE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	8	3987.500000	1058.890929	374.3744783	2300.000000	5300.000000
BKG	18	2553.148148	535.242260	126.1578107	2000.000000	4166.666667

Variances	T	Method	DF	Prob> T
Unequal	3.6307	Satterthwaite	8.6	0.0059
		Cochran	.	0.0077
Equal	4.6369		24.0	0.0001

For H0: Variances are equal, F' = 3.91 DF = (7,17) Prob>F' = 0.0203

***** TESTNAME=COPPER *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	5	7.20000000	6.97853853	3.12089731	2.00000000	19.00000000
BKG	19	6.78947368	3.76871548	0.86460263	2.00000000	15.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.1268	Satterthwaite	4.6	0.9045
		Cochran	.	0.9049
Equal	0.1805		22.0	0.8584

For H0: Variances are equal, F' = 3.43 DF = (4,18) Prob>F' = 0.0388

***** TESTNAME=GROSS ALPHA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	10	5.40000000	2.98886824	0.94518313	2.00000000	12.00000000
BKG	14	7.35714286	7.53562965	2.01398174	1.00000000	23.75000000

Variances	T	Method	DF	Prob> T
Unequal	-0.8797	Satterthwaite	18.1	0.3908
		Cochran	.	0.3963
Equal	-0.7749		22.0	0.4466

For H0: Variances are equal, F' = 6.36 DF = (13,8) Prob>F' = 0.0089

***** TESTNAME=IRON *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	9	431.2777778	532.7018702	177.5672234	12.00000000	1690.000000
BKG	10	36.3500000	15.2142010	4.8111528	19.50000000	76.500000

Variances	T	Method	DF	Prob> T
Unequal	2.2233	Satterthwaite	8.0	0.0568
		Cochran	.	0.0569
Equal	2.3510		17.0	0.0310

For H0: Variances are equal, F' = 1225.84 DF = (8,9) Prob>F' = 0.0000

***** TESTNAME=LEAD *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	13	6.42307692	3.49908413	0.97047133	2.00000000	11.00000000
BKG	20	12.48333333	7.15919643	1.60084499	3.00000000	28.33333333

Variances	T	Method	DF	Prob> T
Unequal	-3.2373	Satterthwaite	29.3	0.0030
		Cochran	.	0.0051
Equal	-2.8291		31.0	0.0081

For H0: Variances are equal, F' = 4.19 DF = (19,12) Prob>F' = 0.0145

***** TESTNAME=MANGANESE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	10	13.00000000	12.65789170	4.00277681	2.00000000	40.00000000
BKG	14	12.05952381	7.11703360	1.90210724	3.00000000	24.50000000

Variances	T	Method	DF	Prob> T
Unequal	0.2122	Satterthwaite	13.1	0.8352
		Cochran	.	0.8364
Equal	0.2325		22.0	0.8183

For H0: Variances are equal, F' = 3.16 DF = (9,13) Prob>F' = 0.0591

***** TESTNAME=NITRATE AS NITROGEN *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	6	287.000000	98.6204847	40.2616443	160.0000000	412.0000000
BKG	20	1647.566667	538.2189613	120.3494184	880.0000000	3040.0000000

Variances	T	Method	DF	Prob> T
Unequal	-10.7211	Satterthwaite	22.4	0.0001
		Cochran	.	0.0001
Equal	-6.0769		24.0	0.0000

For H0: Variances are equal, F' = 29.78 DF = (19,5) Prob>F' = 0.0014

***** TESTNAME=NONVOLATILE BETA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	8	3.75000000	2.47847880	0.87627458	1.50000000	9.00000000
BKG	14	5.06547619	4.36284068	1.16601822	1.00000000	14.25000000

Variances	T	Method	DF	Prob> T
Unequal	-0.9019	Satterthwaite	20.0	0.3779
		Cochran	.	0.3888
Equal	-0.7789		20.0	0.4452

For H0: Variances are equal, F' = 3.10 DF = (13,7) Prob>F' = 0.1396

***** TESTNAME=PH *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	28	5.21428571	0.49867549	0.09424081	4.00000000	6.00000000
BKG	22	4.65909091	0.47274184	0.10078890	4.00000000	5.00000000

Variances	T	Method	DF	Prob> T
Unequal	4.0236	Satterthwaite	46.3	0.0002
		Cochran	.	0.0005
Equal	3.9974		48.0	0.0002

For H0: Variances are equal, F' = 1.11 DF = (27,21) Prob>F' = 0.8111

***** TESTNAME=SODIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	13	3007.692308	1063.723052	295.0236928	1780.000000	4950.000000
BKG	20	2689.750000	939.937673	210.1764531	1630.000000	4475.000000

Variances	T	Method	DF	Prob> T
Unequal	0.8777	Satterthwaite	23.5	0.3890
		Cochran	.	0.3952
Equal	0.9017		31.0	0.3742

For H0: Variances are equal, F' = 1.28 DF = (12,19) Prob>F' = 0.6100

***** TESTNAME=SPECIFIC CONDUCTANCE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	28	49.53571429	17.35144810	3.27911547	25.00000000	109.00000000
BKG	22	30.34090909	6.32340016	1.34815344	19.00000000	43.00000000

Variances	T	Method	DF	Prob> T
Unequal	5.4139	Satterthwaite	35.6	0.0001
		Cochran	.	0.0001
Equal	4.9289		48.0	0.0000

For H0: Variances are equal, F' = 7.53 DF = (27,21) Prob>F' = 0.0000

***** TESTNAME=TOTAL DISSOLVED SOLIDS *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	5	735400.0000	1568094.580	701720.4287	12000.00000	3542000.000
BKG	15	36860.0000	26689.807	6891.3044	2500.00000	112000.000

Variances	T	Method	DF	Prob> T
Unequal	0.9954	Satterthwaite	4.0	0.3759
		Cochran	.	0.3759
Equal	1.8279		18.0	0.0842

For H0: Variances are equal, F' = 3456.24 DF = (4,14) Prob>F' = 0.0000

***** TESTNAME=TOTAL RADIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	10	3.25000000	1.90394328	0.60207973	0.50000000	6.00000000
BKG	20	4.12916667	3.43490798	0.76806877	0.00000000	12.00000000

Variances	T	Method	DF	Prob> T
Unequal	-0.9009	Satterthwaite	27.6	0.3755
		Cochran	.	0.3837
Equal	-0.7486		28.0	0.4598

For H0: Variances are equal, F' = 3.25 DF = (19,9) Prob>F' = 0.0740

***** TESTNAME=ZINC *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
4	4	82.87500000	26.82776857	13.41388429	29.50000000	87.00000000
BKG	18	19.65277778	16.61846584	3.91700996	2.00000000	54.00000000

Variances	T	Method	DF	Prob> T
Unequal	3.0930	Satterthwaite	3.5	0.0445
		Cochran	.	0.0502
Equal	4.2238		20.0	0.0004

For H0: Variances are equal, F' = 2.61 DF = (3,17) Prob>F' = 0.1708

Groundwater Monitoring Well

ASB 5A

Raw Data

Raw Data for ASB 5A

ASB 5A 032384	SPECIFIC CONDUCTANCE		54.0000	UMHC	FD
ASB 5A 032384	PH		5.8000	PH	FD
ASB 5A 041284	SPECIFIC CONDUCTANCE		44.0000	UMHC	FD
ASB 5A 041284	PH		6.2000	PH	FD
ASB 5A 081484	SILVER	LT	2.0000	UGL	EE
ASB 5A 081484	SILVER	LT	2.0000	UGL	EE
ASB 5A 081484	GROSS ALPHA		5.0000	PCL	CP
ASB 5A 081484	ARSENIC	LT	1.0000	UGL	EE
ASB 5A 081484	ARSENIC	LT	1.0000	UGL	EE
ASB 5A 081484	BARIUM		16.0000	UGL	EE
ASB 5A 081484	BARIUM		16.0000	UGL	EE
ASB 5A 081484	BERYLLIUM	LT	2.0000	UGL	EE
ASB 5A 081484	BERYLLIUM	LT	2.0000	UGL	EE
ASB 5A 081484	NONVOLATILE BETA	LT	2.0000	PCL	CP
ASB 5A 081484	CADMIUM	LT	2.0000	UGL	EE
ASB 5A 081484	CADMIUM	LT	2.0000	UGL	EE
ASB 5A 081484	CHLORIDE		9140.0000	UGL	EE
ASB 5A 081484	COLOR		10.0000	APC	EE
ASB 5A 081484	SPECIFIC CONDUCTANCE		62.0000	UMHC	FD
ASB 5A 081484	CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 081484	CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 081484	COPPER	LT	4.0000	UGL	EE
ASB 5A 081484	COPPER	LT	4.0000	UGL	EE
ASB 5A 081484	CYANIDE	LT	5.0000	UGL	EE
ASB 5A 081484	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 5A 081484	FLUORIDE		110.0000	UGL	EE
ASB 5A 081484	IRON		40.0000	UGL	EE
ASB 5A 081484	IRON		33.0000	UGL	EE
ASB 5A 081484	GC SCAN	LT	40.0000	UGL	EE
ASB 5A 081484	MERCURY	LT	0.2000	UGL	EE
ASB 5A 081484	MANGANESE		30.0000	UGL	EE
ASB 5A 081484	MANGANESE		29.0000	UGL	EE
ASB 5A 081484	SODIUM		4000.0000	UGL	EE
ASB 5A 081484	SODIUM		4110.0000	UGL	EE
ASB 5A 081484	NICKEL	LT	4.0000	UGL	EE
ASB 5A 081484	NICKEL	LT	4.0000	UGL	EE
ASB 5A 081484	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 5A 081484	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 5A 081484	ODOR		4.0000	THON	EE
ASB 5A 081484	LEAD		14.0000	UGL	EE
ASB 5A 081484	LEAD		13.0000	UGL	EE
ASB 5A 081484	PH		4.8000	PH	FD
ASB 5A 081484	PHENOLS		3.0000	UGL	EE
ASB 5A 081484	SELENIUM	LT	1.0000	UGL	EE
ASB 5A 081484	SELENIUM	LT	1.0000	UGL	EE
ASB 5A 081484	SILVEX	LT	2.0000	UGL	EE
ASB 5A 081484	SULFATE	LT	10000.0000	UGL	EE
ASB 5A 081484	SULFIDE	LT	1000.0000	UGL	EE
ASB 5A 081484	SURFACTANTS	LT	10.0000	UGL	EE
ASB 5A 081484	TOTAL DISSOLVED SOLIDS		60000.0000	UGL	EE
ASB 5A 081484	TOTAL DISSOLVED SOLIDS		54000.0000	UGL	EE
ASB 5A 081484	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 5A 081484	TOTAL RADIUM		4.0000	PCL	CP
ASB 5A 081484	TOTAL ORGANIC HALOGENS		75.0000	UGL	MM
ASB 5A 081484	TURBIDITY		135.0000	TU	EE
ASB 5A 081484	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 5A 081484	ZINC		47.0000	UGL	EE
ASB 5A 081484	ZINC		42.0000	UGL	EE
ASB 5A 102284	SILVER	LT	2.0000	UGL	EE
ASB 5A 102284	GROSS ALPHA	LT	2.0000	PCL	CP
ASB 5A 102284	ARSENIC	LT	1.0000	UGL	EE
ASB 5A 102284	BARIUM		16.0000	UGL	EE
ASB 5A 102284	BERYLLIUM	LT	2.0000	UGL	EE
ASB 5A 102284	NONVOLATILE BETA	LT	3.0000	PCL	CP

Raw Data for ASB 5A

ASB 5A 102284	CADMIUM	LT	2.0000	UGL	EE
ASB 5A 102284	CHLORIDE		9100.0000	UGL	EE
ASB 5A 102284	COLOR		0.0000	APC	EE
ASB 5A 102284	SPECIFIC CONDUCTANCE		87.0000	UMHC	FD
ASB 5A 102284	CORROSIVITY		0.0039	MMY	EE
ASB 5A 102284	CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 102284	COPPER		6.0000	UGL	EE
ASB 5A 102284	CYANIDE	LT	5.0000	UGL	EE
ASB 5A 102284	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 5A 102284	ENDRIN	LT	0.0400	UGL	EE
ASB 5A 102284	FLUORIDE	LT	100.0000	UGL	EE
ASB 5A 102284	IRON		54.0000	UGL	EE
ASB 5A 102284	GC SCAN		54.0000	UGL	EE
ASB 5A 102284	MERCURY	LT	0.2000	UGL	EE
ASB 5A 102284	LINDANE	LT	1.0000	UGL	EE
ASB 5A 102284	METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 5A 102284	MANGANESE		24.0000	UGL	EE
ASB 5A 102284	SODIUM		5320.0000	UGL	EE
ASB 5A 102284	NICKEL	LT	4.0000	UGL	EE
ASB 5A 102284	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 5A 102284	NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 5A 102284	ODOR		8.0000	THON	EE
ASB 5A 102284	LEAD		9.0000	UGL	EE
ASB 5A 102284	PH		4.5000	PH	FD
ASB 5A 102284	PHENOLS	LT	2.0000	UGL	EE
ASB 5A 102284	SELENIUM	LT	1.0000	UGL	EE
ASB 5A 102284	SILVEX	LT	2.0000	UGL	EE
ASB 5A 102284	SULFATE	LT	5000.0000	UGL	EE
ASB 5A 102284	SULFIDE	LT	1000.0000	UGL	EE
ASB 5A 102284	SURFACTANTS	LT	10.0000	UGL	EE
ASB 5A 102284	TOTAL DISSOLVED SOLIDS		30000.0000	UGL	EE
ASB 5A 102284	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 5A 102284	TOTAL RADIUM		2.0000	PCL	CP
ASB 5A 102284	TOTAL ORGANIC HALOGENS		160.0000	UGL	MM
ASB 5A 102284	TURBIDITY		1.8000	TU	EE
ASB 5A 102284	TOXAPHENE	LT	1.0000	UGL	EE
ASB 5A 102284	2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 5A 102284	ZINC		268.0000	UGL	EE
ASB 5A 022585	SILVER	LT	2.0000	UGL	EE
ASB 5A 022585	GROSS ALPHA		5.0000	PCL	CP
ASB 5A 022585	ARSENIC	LT	1.0000	UGL	EE
ASB 5A 022585	BARIUM		10.0000	UGL	EE
ASB 5A 022585	NONVOLATILE BETA		3.0000	PCL	CP
ASB 5A 022585	CADMIUM	LT	2.0000	UGL	EE
ASB 5A 022585	CHLORIDE		11660.0000	UGL	EE
ASB 5A 022585	SPECIFIC CONDUCTANCE		87.0000	UMHC	FD
ASB 5A 022585	CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 022585	ENDRIN	LT	0.0400	UGL	EE
ASB 5A 022585	FLUORIDE	LT	100.0000	UGL	EE
ASB 5A 022585	IRON	LT	4.0000	UGL	EE
ASB 5A 022585	MERCURY		0.3700	UGL	EE
ASB 5A 022585	LINDANE	LT	1.0000	UGL	EE
ASB 5A 022585	METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 5A 022585	MANGANESE		4.0000	UGL	EE
ASB 5A 022585	SODIUM		7410.0000	UGL	EE
ASB 5A 022585	NITRATE AS NITROGEN		1150.0000	UGL	EE
ASB 5A 022585	NITRATE AS NITROGEN		1150.0000	UGL	EE
ASB 5A 022585	LEAD	LT	4.0000	UGL	EE
ASB 5A 022585	PH		4.4000	PH	FD
ASB 5A 022585	PHENOLS	LT	2.0000	UGL	EE
ASB 5A 022585	PHENOLS	LT	2.0000	UGL	EE
ASB 5A 022585	SELENIUM	LT	1.0000	UGL	EE
ASB 5A 022585	SILVEX	LT	2.0000	UGL	EE
ASB 5A 022585	SULFATE	LT	5000.0000	UGL	EE

Raw Data for ASB 5A

ASB 5A 022585 SULFATE			
ASB 5A 022585 TOTAL ORGANIC CARBON	LT	5000.0000 UGL	EE
ASB 5A 022585 TOTAL RADIUM		334.0000 UGL	EE
ASB 5A 022585 TOTAL ORGANIC HALOGENS		2.0000 PCL	CP
ASB 5A 022585 TOTAL ORGANIC HALOGENS		358.4000 UGL	EE
ASB 5A 022585 TURBIDITY		251.2000 UGL	EE
ASB 5A 022585 TOXAPHENE		2.2000 TU	EE
ASB 5A 022585 2,4-DICHLOROPHENOXYACETIC ACID	LT	1.0000 UGL	EE
ASB 5A 042385 SPECIFIC CONDUCTANCE	LT	20.0000 UGL	EE
ASB 5A 042385 CHROMIUM		61.0000 UMHC	FD
ASB 5A 042385 MERCURY	LT	4.0000 UGL	EE
ASB 5A 042385 MERCURY	LT	0.2000 UGL	EE
ASB 5A 042385 SODIUM	LT	0.2000 UGL	EE
ASB 5A 042385 LEAD		6720.0000 UGL	EE
ASB 5A 042385 PH		8.0000 UGL	EE
ASB 5A 042385 TOTAL ORGANIC CARBON		4.7000 PH	FD
ASB 5A 042385 TOTAL ORGANIC HALOGENS		689.0000 UGL	EE
ASB 5A 082685 SPECIFIC CONDUCTANCE		295.0000 UGL	EE
ASB 5A 082685 CHROMIUM		52.0000 UMHC	FD
ASB 5A 082685 MERCURY	LT	4.0000 UGL	EE
ASB 5A 082685 MERCURY		0.2100 UGL	EE
ASB 5A 082685 SODIUM		0.2600 UGL	EE
ASB 5A 082685 LEAD		7380.0000 UGL	EE
ASB 5A 082685 PH	LT	10.0000 UGL	EE
ASB 5A 082685 TOTAL ORGANIC CARBON		4.4000 PH	FD
ASB 5A 082685 TOTAL ORGANIC HALOGENS		450.0000 UGL	EE
ASB 5A 102985 SPECIFIC CONDUCTANCE		128.0000 UGL	EE
ASB 5A 102985 CHROMIUM		38.0000 UMHC	FD
ASB 5A 102985 MERCURY	LT	4.0000 UGL	EE
ASB 5A 102985 SODIUM	LT	0.2000 UGL	EE
ASB 5A 102985 LEAD		6210.0000 UGL	EE
ASB 5A 102985 PH		5.0000 UGL	EE
ASB 5A 102985 TOTAL ORGANIC CARBON		4.3000 PH	FD
ASB 5A 102985 TOTAL ORGANIC HALOGENS		490.0000 UGL	EE
ASB 5A 021286 GROSS ALPHA		47.0000 UGL	EE
ASB 5A 021286 NONVOLATILE BETA		7.0000 PCL	CP
ASB 5A 021286 CHLORIDE		5.0000 PCL	CP
ASB 5A 021286 SPECIFIC CONDUCTANCE		8100.0000 UGL	EE
ASB 5A 021286 IRON		45.0000 UMHC	FD
ASB 5A 021286 MERCURY		39.0000 UGL	EE
ASB 5A 021286 MANGANESE	LT	0.2000 UGL	EE
ASB 5A 021286 SODIUM		11.0000 UGL	EE
ASB 5A 021286 PH		5400.0000 UGL	EE
ASB 5A 021286 PHENOLS		4.3000 PH	FD
ASB 5A 021286 SULFATE	LT	2.0000 UGL	EE
ASB 5A 021286 TOTAL ORGANIC CARBON	LT	5000.0000 UGL	EE
ASB 5A 021286 TOTAL RADIUM	LT	1000.0000 UGL	EE
ASB 5A 021286 TOTAL ORGANIC HALOGENS		4.0000 PCL	CP
ASB 5A 041886 SPECIFIC CONDUCTANCE		60.0000 UGL	EE
ASB 5A 041886 CHROMIUM		47.0000 UMHC	FD
ASB 5A 041886 NICKEL	LT	4.0000 UGL	EE
ASB 5A 041886 LEAD	LT	4.0000 UGL	EE
ASB 5A 041886 PH		8.0000 UGL	EE
ASB 5A 041886 ZINC		4.8000 PH	FD
ASB 5A 080686 GROSS ALPHA		5.0000 UGL	EE
ASB 5A 080686 SPECIFIC CONDUCTANCE	LT	3.0000 PCL	RM
ASB 5A 080686 CHROMIUM		54.0000 UMHC	FD
ASB 5A 080686 MANGANESE	LT	4.0000 UGL	EE
ASB 5A 080686 LEAD		11.0000 UGL	EE
ASB 5A 080686 PH	LT	6.0000 UGL	EE
ASB 5A 080686 TOTAL ORGANIC CARBON		4.4000 PH	FD
ASB 5A 080686 TOTAL RADIUM	LT	1000.0000 UGL	EE
ASB 5A 080686 TOTAL ORGANIC HALOGENS		2.5000 PCL	RM
ASB 5A 101186 BROMODICHLOROMETHANE	LT	110.0000 UGL	EE
		5.0000 UGL	EE

Raw Data for ASB 5A

ASB 5A 101186	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB 5A 101186	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB 5A 101186	BROMOFORM	LT	10.0000	UGL	EE
ASB 5A 101186	CHLOROFORM	LT	5.0000	UGL	EE
ASB 5A 101186	BROMOMETHANE	LT	10.0000	UGL	EE
ASB 5A 101186	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB 5A 101186	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB 5A 101186	SPECIFIC CONDUCTANCE		53.0000	UMHC	FD
ASB 5A 101186	CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 101186	CHLOROETHENE	LT	10.0000	UGL	EE
ASB 5A 101186	CHLOROETHANE	LT	10.0000	UGL	EE
ASB 5A 101186	BENZENE	LT	5.0000	UGL	EE
ASB 5A 101186	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB 5A 101186	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB 5A 101186	TOLUENE-D8		96.0000	PER	EE
ASB 5A 101186	TOLUENE	LT	5.0000	UGL	EE
ASB 5A 101186	SODIUM		4620.0000	UGL	EE
ASB 5A 101186	P-BROMOFLUOROBENZENE		102.0000	PER	EE
ASB 5A 101186	PH		4.7000	PH	FD
ASB 5A 101186	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB 5A 101186	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB 5A 101186	TOTAL ORGANIC HALOGENS		124.0000	UGL	EE
ASB 5A 101186	TRICHLOROETHYLENE		185.0000	UGL	EE
ASB 5A 101186	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB 5A 101186	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB 5A 101186	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB 5A 101186	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB 5A 101186	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB 5A 101186	1,2-DICHLOROETHANE-D4		98.0000	PER	EE
ASB 5A 101186	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB 5A 101186	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB 5A 101186	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB 5A 101186	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB 5A 101186	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB 5A 020487	SILVER	LT	2.0000	UGL	EE
ASB 5A 020487	SILVER	LT	2.0000	UGL	EE
ASB 5A 020487	SILVER	LT	0.5000	UGL	EC
ASB 5A 020487	GROSS ALPHA		3.5000	PCL	RM
ASB 5A 020487	GROSS ALPHA		2.3000	PCL	RM
ASB 5A 020487	GROSS ALPHA		2.0000	PCL	EC
ASB 5A 020487	ARSENIC	LT	2.0000	UGL	EE
ASB 5A 020487	ARSENIC	LT	2.0000	UGL	EE
ASB 5A 020487	ARSENIC	LT	3.0000	UGL	EC
ASB 5A 020487	BARIUM		10.0000	UGL	EE
ASB 5A 020487	BARIUM		12.0000	UGL	EE
ASB 5A 020487	BARIUM	LT	100.0000	UGL	EC
ASB 5A 020487	NONVOLATILE BETA		6.2000	PCL	RM
ASB 5A 020487	NONVOLATILE BETA		9.3000	PCL	RM
ASB 5A 020487	NONVOLATILE BETA		5.1000	PCL	EC
ASB 5A 020487	BROMODICHLOROMETHANE	LT	1.0000	UGL	EC
ASB 5A 020487	CALCIUM		1540.0000	UGL	EE
ASB 5A 020487	CALCIUM		1580.0000	UGL	EE
ASB 5A 020487	CALCIUM		1710.0000	UGL	EC
ASB 5A 020487	DICHLORODIFLUOROMETHANE	LT	3.0000	UGL	EC
ASB 5A 020487	TRICHLOROFLUOROMETHANE	LT	1.0000	UGL	EC
ASB 5A 020487	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 5A 020487	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 5A 020487	CARBON TETRACHLORIDE	LT	1.0000	UGL	EC
ASB 5A 020487	CADMIUM	LT	2.0000	UGL	EE
ASB 5A 020487	CADMIUM	LT	2.0000	UGL	EE
ASB 5A 020487	CADMIUM	LT	6.0000	UGL	EC
ASB 5A 020487	BROMOFORM	LT	2.0000	UGL	EC
ASB 5A 020487	CHLOROFORM	LT	1.0000	UGL	EE
ASB 5A 020487	CHLOROFORM	LT	1.0000	UGL	EE

Raw Data for ASB 5A

ASB 5A 020487 CHLOROFORM	LT	1.0000	UGL	EC
ASB 5A 020487 METHYLENE CHLORIDE	LT	1.0000	UGL	EC
ASB 5A 020487 BROMOMETHANE	LT	2.0000	UGL	EC
ASB 5A 020487 CHLOROMETHANE	LT	1.0000	UGL	EC
ASB 5A 020487 CHLORIDE		6400.0000	UGL	EE
ASB 5A 020487 CHLORIDE		5300.0000	UGL	EE
ASB 5A 020487 CHLORIDE		7810.0000	UGL	EC
ASB 5A 020487 CHLOROBENZENE	LT	1.0000	UGL	EC
ASB 5A 020487 SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB 5A 020487 SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB 5A 020487 SPECIFIC CONDUCTANCE		44.3000	UMHC	EC
ASB 5A 020487 CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 020487 CHROMIUM	LT	4.0000	UGL	EE
ASB 5A 020487 CHROMIUM	LT	50.0000	UGL	EC
ASB 5A 020487 COPPER		12.0000	UGL	EE
ASB 5A 020487 COPPER		10.0000	UGL	EE
ASB 5A 020487 COPPER	LT	50.0000	UGL	EC
ASB 5A 020487 CIS-1,3-DICHLOROPROPYLENE	LT	1.0000	UGL	EC
ASB 5A 020487 CHLOROETHENE	LT	1.0000	UGL	EC
ASB 5A 020487 CHLOROETHANE	LT	1.0000	UGL	EC
ASB 5A 020487 BENZENE	LT	1.0000	UGL	EC
ASB 5A 020487 DIBROMOCHLOROMETHANE	LT	1.0000	UGL	EC
ASB 5A 020487 ETHYLBENZENE	LT	1.0000	UGL	EC
ASB 5A 020487 FLUORIDE	LT	100.0000	UGL	EE
ASB 5A 020487 FLUORIDE	LT	100.0000	UGL	EE
ASB 5A 020487 FLUORIDE	LT	100.0000	UGL	EC
ASB 5A 020487 IRON		27.0000	UGL	EE
ASB 5A 020487 IRON		29.0000	UGL	EE
ASB 5A 020487 IRON		20.0000	UGL	EC
ASB 5A 020487 MERCURY	LT	0.2000	UGL	EE
ASB 5A 020487 MERCURY	LT	0.2000	UGL	EE
ASB 5A 020487 MERCURY	LT	0.2000	UGL	EE
ASB 5A 020487 MERCURY	LT	0.1000	UGL	EC
ASB 5A 020487 POTASSIUM		400.0000	UGL	EE
ASB 5A 020487 POTASSIUM		400.0000	UGL	EE
ASB 5A 020487 POTASSIUM		330.0000	UGL	EC
ASB 5A 020487 TOLUENE	LT	1.0000	UGL	EC
ASB 5A 020487 MAGNESIUM		870.0000	UGL	EE
ASB 5A 020487 MAGNESIUM		880.0000	UGL	EE
ASB 5A 020487 MAGNESIUM		1030.0000	UGL	EC
ASB 5A 020487 MANGANESE		11.0000	UGL	EE
ASB 5A 020487 MANGANESE		13.0000	UGL	EE
ASB 5A 020487 MANGANESE	LT	20.0000	UGL	EC
ASB 5A 020487 SODIUM		5420.0000	UGL	EE
ASB 5A 020487 SODIUM		4530.0000	UGL	EE
ASB 5A 020487 SODIUM		2390.0000	UGL	EC
ASB 5A 020487 NICKEL		5.0000	UGL	EE
ASB 5A 020487 NICKEL	LT	4.0000	UGL	EE
ASB 5A 020487 NICKEL	LT	50.0000	UGL	EC
ASB 5A 020487 NITRATE AS NITROGEN		350.0000	UGL	EE
ASB 5A 020487 NITRATE AS NITROGEN		310.0000	UGL	EE
ASB 5A 020487 NITRATE AS NITROGEN		370.0000	UGL	EC
ASB 5A 020487 LEAD		7.0000	UGL	EE
ASB 5A 020487 LEAD	LT	8.0000	UGL	EE
ASB 5A 020487 LEAD		4.6000	UGL	EC
ASB 5A 020487 PH		5.3000	PH	FD
ASB 5A 020487 PH		5.3000	PH	FD
ASB 5A 020487 PH		4.8700	PH	EC
ASB 5A 020487 PHENOLS	LT	2.0000	UGL	EE
ASB 5A 020487 PHENOLS	LT	2.0000	UGL	EE
ASB 5A 020487 PHENOLS		5.0000	UGL	EC
ASB 5A 020487 SELENIUM	LT	2.0000	UGL	EE
ASB 5A 020487 SELENIUM	LT	2.0000	UGL	EE
ASB 5A 020487 SELENIUM	LT	6.0000	UGL	EC

Raw Data for ASB 5A

ASB	5A	020487	SILICA		2490.0000	UGL	EE
ASB	5A	020487	SILICA		2490.0000	UGL	EE
ASB	5A	020487	SILICA		7100.0000	UGL	EC
ASB	5A	020487	SULFATE		12000.0000	UGL	EE
ASB	5A	020487	SULFATE		7500.0000	UGL	EE
ASB	5A	020487	SULFATE		5000.0000	UGL	EC
ASB	5A	020487	1,1,2,2-TETRACHLOROETHANE	LT	1.0000	UGL	EC
ASB	5A	020487	TETRACHLOROETHYLENE		2.2000	UGL	EE
ASB	5A	020487	TETRACHLOROETHYLENE		5.6000	UGL	EE
ASB	5A	020487	TETRACHLOROETHYLENE		6.0500	UGL	EC
ASB	5A	020487	TOTAL DISSOLVED SOLIDS		16000.0000	UGL	EE
ASB	5A	020487	TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB	5A	020487	TOTAL DISSOLVED SOLIDS		27000.0000	UGL	EC
ASB	5A	020487	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	5A	020487	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB	5A	020487	TOTAL ORGANIC CARBON		1600.0000	UGL	EC
ASB	5A	020487	TOTAL RADIUM		1.7000	PCL	RM
ASB	5A	020487	TOTAL RADIUM		3.5000	PCL	RM
ASB	5A	020487	TOTAL RADIUM		1.3000	PCL	EC
ASB	5A	020487	TOTAL ORGANIC HALOGENS		56.0000	UGL	EE
ASB	5A	020487	TOTAL ORGANIC HALOGENS		60.0000	UGL	EE
ASB	5A	020487	TOTAL ORGANIC HALOGENS		87.0000	UGL	EC
ASB	5A	020487	TOTAL PHOSPHATES		60.0000	UGL	EE
ASB	5A	020487	TOTAL PHOSPHATES		60.0000	UGL	EE
ASB	5A	020487	TOTAL PHOSPHATES		36.0000	UGL	EC
ASB	5A	020487	TRICHLOROETHYLENE		96.4000	UGL	EE
ASB	5A	020487	TRICHLOROETHYLENE		69.0000	UGL	EE
ASB	5A	020487	TRICHLOROETHYLENE		85.5000	UGL	EC
ASB	5A	020487	TRITIUM		3.5900	PCML	RM
ASB	5A	020487	TRITIUM		3.8900	PCML	RM
ASB	5A	020487	TTEM	LT	2.0000	UGL	EC
ASB	5A	020487	TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	EC
ASB	5A	020487	TRANS-1,3-DICHLOROPROPENE	LT	1.0000	UGL	EC
ASB	5A	020487	1,1-DICHLOROETHYLENE	LT	1.0000	UGL	EC
ASB	5A	020487	1,1-DICHLOROETHANE	LT	1.0000	UGL	EC
ASB	5A	020487	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	5A	020487	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	5A	020487	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EC
ASB	5A	020487	1,1,2-TRICHLOROETHANE	LT	1.0000	UGL	EC
ASB	5A	020487	1,2-DICHLOROBENZENE	LT	1.0000	UGL	EC
ASB	5A	020487	1,2-DICHLOROETHANE	LT	1.0000	UGL	EC
ASB	5A	020487	1,2-DICHLOROPROPANE	LT	1.0000	UGL	EC
ASB	5A	020487	1,3-DICHLOROBENZENE	LT	1.0000	UGL	EC
ASB	5A	020487	1,4-DICHLOROBENZENE	LT	1.0000	UGL	EC
ASB	5A	020487	ZINC		4.0000	UGL	EE
ASB	5A	020487	ZINC		26.0000	UGL	EE
ASB	5A	020487	ZINC	LT	20.0000	UGL	EC
ASB	5A	042587	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	5A	042587	CHLOROFORM	LT	1.0000	UGL	EE
ASB	5A	042587	SPECIFIC CONDUCTANCE		39.0000	UMEC	FD
ASB	5A	042587	PH		5.2000	PH	FD
ASB	5A	042587	TETRACHLOROETHYLENE		1.1000	UGL	EE
ASB	5A	042587	TRICHLOROETHYLENE		22.6000	UGL	EE
ASB	5A	042587	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB	5A	080287	GROSS ALPHA		1.7000	PCL	RM
ASB	5A	080287	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB	5A	080287	CHLOROFORM	LT	1.0000	UGL	EE
ASB	5A	080287	SPECIFIC CONDUCTANCE		38.0000	UMEC	FD
ASB	5A	080287	CHROMIUM	LT	4.0000	UGL	EE
ASB	5A	080287	IRON		74.0000	UGL	EE
ASB	5A	080287	MANGANESE		19.0000	UGL	EE
ASB	5A	080287	SODIUM		2600.0000	UGL	EE
ASB	5A	080287	LEAD		10.0000	UGL	EE
ASB	5A	080287	PH		8.3000	PH	FD

Raw Data for ASB 5A

ASB 5A 080287 TETRACHLOROETHYLENE		1.7100 UGL	EE
ASB 5A 080287 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 5A 080287 TOTAL RADIUM		2.9000 PCL	RM
ASB 5A 080287 TOTAL ORGANIC HALOGENS		19.0000 UGL	EE
ASB 5A 080287 TRICHLOROETHYLENE		27.7000 UGL	EE
ASB 5A 080287 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 5A 102287 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 5A 102287 CHLOROFORM	LT	1.0000 UGL	EE
ASB 5A 102287 SPECIFIC CONDUCTANCE		46.0000 UMEC	FD
ASB 5A 102287 PH		4.6000 PH	FD
ASB 5A 102287 TETRACHLOROETHYLENE		2.4600 UGL	EE
ASB 5A 102287 TRICHLOROETHYLENE		15.2000 UGL	EE
ASB 5A 102287 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 5A 022688 GROSS ALPHA		4.6000 PCL	EE
ASB 5A 022688 NONVOLATILE BETA		3.2000 PCL	EE
ASB 5A 022688 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 5A 022688 CADMIUM	LT	2.0000 UGL	EE
ASB 5A 022688 CHLOROFORM	LT	1.0000 UGL	EE
ASB 5A 022688 CHLORIDE		5800.0000 UGL	EE
ASB 5A 022688 CHLORIDE		5800.0000 UGL	EE
ASB 5A 022688 SPECIFIC CONDUCTANCE		45.0000 UMEC	FD
ASB 5A 022688 COPPER	LT	4.0000 UGL	EE
ASB 5A 022688 IRON		20.0000 UGL	EE
ASB 5A 022688 MERCURY		0.2000 UGL	EE
ASB 5A 022688 MERCURY	LT	0.2000 UGL	EE
ASB 5A 022688 MANGANESE		14.0000 UGL	EE
ASB 5A 022688 SODIUM		3190.0000 UGL	EE
ASB 5A 022688 NICKEL	LT	4.0000 UGL	EE
ASB 5A 022688 LEAD	LT	6.0000 UGL	EE
ASB 5A 022688 PH		4.7000 PH	FD
ASB 5A 022688 SULFATE	LT	5000.0000 UGL	EE
ASB 5A 022688 SULFATE	LT	5000.0000 UGL	EE
ASB 5A 022688 TETRACHLOROETHYLENE		2.9000 UGL	EE
ASB 5A 022688 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 5A 022688 TOTAL RADIUM		1.8000 PCL	EE
ASB 5A 022688 TOTAL ORGANIC HALOGENS		6.0000 UGL	EE
ASB 5A 022688 TRICHLOROETHYLENE		11.4000 UGL	EE
ASB 5A 022688 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 5A 040588 SPECIFIC CONDUCTANCE		47.0000 UMEC	FD
ASB 5A 040588 PH		5.8000 PH	FD
ASB 5A 070788 SILVER	LT	2.0000 UGL	EE
ASB 5A 070788 GROSS ALPHA		4.9300 PCL	EE
ASB 5A 070788 ARSENIC	LT	2.0000 UGL	EE
ASB 5A 070788 BARIUM		13.0000 UGL	EE
ASB 5A 070788 NONVOLATILE BETA		2.4000 PCL	EE
ASB 5A 070788 CALCIUM		1890.0000 UGL	EE
ASB 5A 070788 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 5A 070788 CADMIUM	LT	2.0000 UGL	EE
ASB 5A 070788 CERIUM 144		0.0000 PCML	SR
ASB 5A 070788 CHLOROFORM	LT	1.0000 UGL	EE
ASB 5A 070788 CHLOROFORM	LT	10.0000 UGL	MA
ASB 5A 070788 CHLORIDE		4700.0000 UGL	EE
ASB 5A 070788 SPECIFIC CONDUCTANCE		38.0000 UMEC	FD
ASB 5A 070788 COBALT 60		0.0000 PCML	SR
ASB 5A 070788 CHROMIUM	LT	4.0000 UGL	EE
ASB 5A 070788 CHROMIUM 51		0.0000 PCML	SR
ASB 5A 070788 CESIUM 134		0.0000 PCML	SR
ASB 5A 070788 CESIUM 137		0.0000 PCML	SR
ASB 5A 070788 FLUORIDE	LT	100.0000 UGL	EE
ASB 5A 070788 IRON		152.0000 UGL	EE
ASB 5A 070788 MERCURY	LT	0.2000 UGL	EE
ASB 5A 070788 IODINE 131		0.0000 PCML	SR
ASB 5A 070788 POTASSIUM	LT	500.0000 UGL	EE
ASB 5A 070788 MAGNESIUM		1030.0000 UGL	EE

Raw Data for ASB 5A

ASB 5A 070788 MANGANESE		28.0000 UGL	EE
ASB 5A 070788 SODIUM		2760.0000 UGL	EE
ASB 5A 070788 NITRATE AS NITROGEN		310.0000 UGL	EE
ASB 5A 070788 NITRATE AS NITROGEN		310.0000 UGL	EE
ASB 5A 070788 LEAD	LT	6.0000 UGL	EE
ASB 5A 070788 PH		5.2000 PH	FD
ASB 5A 070788 PHENOLS	LT	5.0000 UGL	EE
ASB 5A 070788 RUTHENIUM 103		0.0000 PCML	SR
ASB 5A 070788 RUTHENIUM 106		0.0000 PCML	SR
ASB 5A 070788 ANTIMONY 125		0.0000 PCML	SR
ASB 5A 070788 SELENIUM	LT	2.0000 UGL	EE
ASB 5A 070788 SILICA		1820.0000 UGL	EE
ASB 5A 070788 SULFATE	LT	5000.0000 UGL	EE
ASB 5A 070788 TETRACHLOROETHYLENE		1.8000 UGL	EE
ASB 5A 070788 TETRACHLOROETHYLENE		6.1900 UGL	MA
ASB 5A 070788 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB 5A 070788 TOTAL RADIUM		2.0400 PCL	EE
ASB 5A 070788 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB 5A 070788 TOTAL PHOSPHATES	LT	20.0000 UGL	EE
ASB 5A 070788 TRICHLOROETHYLENE		3.3600 UGL	EE
ASB 5A 070788 TRICHLOROETHYLENE		21.5000 UGL	MA
ASB 5A 070788 TRITIUM		3.0300 PCML	EE
ASB 5A 070788 TRANS-1,2-DICHLOROETHENE	LT	10.0000 UGL	MA
ASB 5A 070788 1,1-DICHLOROETHYLENE	LT	10.0000 UGL	MA
ASB 5A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB 5A 070788 1,1,1-TRICHLOROETHANE	LT	10.0000 UGL	MA
ASB 5A 070788 ZIRCONIUM/NIOBIUM 95		0.0000 PCML	SR
ASB 5A 100288 SPECIFIC CONDUCTANCE		41.0000 UMHC	FD
ASB 5A 100288 PH		5.1000 PH	FD
ASB 5A 032689 SILVER	LT	2.0000 UGL	EE
ASB 5A 032689 GROSS ALPHA		3.8200 PCL	RM
ASB 5A 032689 AMERICIUM 241	LT	0.4000 PCL	TE
ASB 5A 032689 ARSENIC	LT	2.0000 UGL	EE
ASB 5A 032689 BARIUM		13.0000 UGL	EE
ASB 5A 032689 BARIUM 140	LT	6.0000 PCL	TE
ASB 5A 032689 NONVOLATILE BETA		2.3000 PCL	RM
ASB 5A 032689 BERYLLIUM 7	LT	30.0000 PCL	TE
ASB 5A 032689 CALCIUM		1760.0000 UGL	EE
ASB 5A 032689 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 5A 032689 CADMIUM	LT	2.0000 UGL	EE
ASB 5A 032689 CERIUM 141	LT	8.0000 PCL	TE
ASB 5A 032689 CERIUM 144		0.0000 PCML	SR
ASB 5A 032689 CERIUM 144	LT	30.0000 PCL	TE
ASB 5A 032689 CHLOROFORM	LT	1.0000 UGL	EE
ASB 5A 032689 CHLOROFORM	LT	1.0000 UGL	MA
ASB 5A 032689 CHLORIDE		5200.0000 UGL	EE
ASB 5A 032689 CURIUM 242	LT	0.4000 PCL	TE
ASB 5A 032689 CURIUM 243/244	LT	0.4000 PCL	TE
ASB 5A 032689 SPECIFIC CONDUCTANCE		39.0000 UMHC	FD
ASB 5A 032689 COBALT 58	LT	3.0000 PCL	TE
ASB 5A 032689 COBALT 60		0.0000 PCML	SR
ASB 5A 032689 COBALT 60	LT	4.0000 PCL	TE
ASB 5A 032689 CHROMIUM	LT	4.0000 UGL	EE
ASB 5A 032689 CHROMIUM 51		0.0000 PCML	SR
ASB 5A 032689 CESIUM 134		0.0000 PCML	SR
ASB 5A 032689 CESIUM 134	LT	3.0000 PCL	TE
ASB 5A 032689 CESIUM 137		0.0000 PCML	SR
ASB 5A 032689 CESIUM 137	LT	4.0000 PCL	TE
ASB 5A 032689 COPPER		5.0000 UGL	EE
ASB 5A 032689 FLUORIDE	LT	100.0000 UGL	EE
ASB 5A 032689 FLUORIDE	LT	100.0000 UGL	EE
ASB 5A 032689 IRON		101.0000 UGL	EE
ASB 5A 032689 IRON 59	LT	7.0000 PCL	TE
ASB 5A 032689 MERCURY	LT	0.2000 UGL	EE

Raw Data for ASB 5A

ASB 5A 032689 IODINE 131		0.0000	PCML	SR
ASB 5A 032689 IODINE 131	LT	7.0000	PCL	TE
ASB 5A 032689 POTASSIUM	LT	500.0000	UGL	EE
ASB 5A 032689 POTASSIUM 40	LT	60.0000	PCL	TE
ASB 5A 032689 MAGNESIUM		827.0000	UGL	EE
ASB 5A 032689 MANGANESE		11.0000	UGL	EE
ASB 5A 032689 MANGANESE 54	LT	3.0000	PCL	TE
ASB 5A 032689 SODIUM		2510.0000	UGL	EE
ASB 5A 032689 NICKEL	LT	4.0000	UGL	EE
ASB 5A 032689 NITRATE AS NITROGEN		211.0000	UGL	EE
ASB 5A 032689 LEAD	LT	6.0000	UGL	EE
ASB 5A 032689 PH		5.4000	PH	FD
ASB 5A 032689 PHENOLS	LT	5.0000	UGL	EE
ASB 5A 032689 PLUTONIUM 238		4.4000	PCL	TE
ASB 5A 032689 PLUTONIUM 239/240		2.7000	PCL	TE
ASB 5A 032689 RADIUM 226	LT	80.0000	PCL	TE
ASB 5A 032689 RADIUM 226		2.6000	PCL	TE
ASB 5A 032689 RADIUM 228		1.1000	PCL	TE
ASB 5A 032689 RUTHENIUM 103		0.0000	PCML	SR
ASB 5A 032689 RUTHENIUM 103	LT	4.0000	PCL	TE
ASB 5A 032689 RUTHENIUM 106		0.0000	PCML	SR
ASB 5A 032689 RUTHENIUM 106	LT	30.0000	PCL	TE
ASB 5A 032689 ANTIMONY 125		0.0000	PCML	SR
ASB 5A 032689 SELENIUM	LT	2.0000	UGL	EE
ASB 5A 032689 SILICA		4530.0000	UGL	EE
ASB 5A 032689 SULFATE	LT	5000.0000	UGL	EE
ASB 5A 032689 STRONTIUM 89	LT	4.0000	PCL	TE
ASB 5A 032689 STRONTIUM 90	LT	1.0000	PCL	TE
ASB 5A 032689 TETRACHLOROETHYLENE		2.0400	UGL	EE
ASB 5A 032689 TETRACHLOROETHYLENE		1.5400	UGL	MA
ASB 5A 032689 TOTAL DISSOLVED SOLIDS		28000.0000	UGL	EE
ASB 5A 032689 THORIUM 228	LT	7.0000	PCL	TE
ASB 5A 032689 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 5A 032689 TOTAL RADIUM		1.8700	PCL	RM
ASB 5A 032689 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 5A 032689 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB 5A 032689 TRICHLOROETHYLENE		2.1700	UGL	EE
ASB 5A 032689 TRICHLOROETHYLENE		1.6500	UGL	MA
ASB 5A 032689 TRITIUM		1.2000	PCML	RM
ASB 5A 032689 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 5A 032689 URANIUM 234	LT	2.0000	PCL	TE
ASB 5A 032689 URANIUM 235	LT	0.7000	PCL	TE
ASB 5A 032689 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 5A 032689 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 5A 032689 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 5A 032689 ZINC 65	LT	7.0000	PCL	TE
ASB 5A 032689 ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 5A 032689 ZIRCONIUM 95	LT	4.0000	PCL	TE

T-Test Data

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 84

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
1	ASB	BKG	12587	ALUMINUM	43.00
2	ASB	BKG	12987	ALUMINUM	35.33
3	ASB	BKG	20789	ALUMINUM	80.00
4	ASB	BKG	22488	ALUMINUM	59.00
5	ASB	BKG	31289	ALUMINUM	46.50
6	ASB	BKG	40687	ALUMINUM	42.50
7	ASB	BKG	51088	ALUMINUM	253.00
8	ASB	BKG	51188	ALUMINUM	314.00
9	ASB	BKG	61886	ALUMINUM	62.00
10	ASB	BKG	72286	ALUMINUM	37.50
11	ASB	BKG	72386	ALUMINUM	45.00
12	ASB	BKG	80487	ALUMINUM	61.00
13	ASB	BKG	81388	ALUMINUM	42.00
14	ASB	BKG	81488	ALUMINUM	43.00
15	ASB	BKG	102888	ALUMINUM	51.00
16	ASB	BKG	110286	ALUMINUM	33.00
17	ASB	BKG	110386	ALUMINUM	37.67
18	ASB	BKG	110888	ALUMINUM	44.00
19	ASB	BKG	121787	ALUMINUM	74.00
20	ASB	BKG	121987	ALUMINUM	79.00
21	ASB	5A	20487	BARIUM	11.00
22	ASB	5A	22585	BARIUM	10.00
23	ASB	5A	32689	BARIUM	13.00
24	ASB	5A	70788	BARIUM	13.00
25	ASB	5A	81484	BARIUM	16.00
26	ASB	5A	102284	BARIUM	16.00
27	ASB	BKG	12687	BARIUM	7.50
28	ASB	BKG	12987	BARIUM	3.33
29	ASB	BKG	20789	BARIUM	5.00
30	ASB	BKG	22488	BARIUM	8.00
31	ASB	BKG	31289	BARIUM	8.50
32	ASB	BKG	51088	BARIUM	7.00
33	ASB	BKG	51188	BARIUM	2.00
34	ASB	BKG	61886	BARIUM	2.00
35	ASB	BKG	72286	BARIUM	4.00
36	ASB	BKG	72386	BARIUM	7.00
37	ASB	BKG	80487	BARIUM	6.50
38	ASB	BKG	81388	BARIUM	2.00
39	ASB	BKG	81488	BARIUM	6.00
40	ASB	BKG	102888	BARIUM	4.00
41	ASB	BKG	110286	BARIUM	2.00
42	ASB	BKG	110386	BARIUM	7.00
43	ASB	BKG	110888	BARIUM	9.00
44	ASB	BKG	121787	BARIUM	14.00
45	ASB	BKG	121987	BARIUM	5.00
46	ASB	BKG	12687	CALCIUM	265.00
47	ASB	BKG	12987	CALCIUM	876.33
48	ASB	BKG	110286	CALCIUM	983.50
49	ASB	BKG	110386	CALCIUM	655.00
50	ASB	5A	20487	CHLORIDE	5850.00
51	ASB	5A	21286	CHLORIDE	8100.00
52	ASB	5A	22585	CHLORIDE	11660.00
53	ASB	5A	22688	CHLORIDE	5800.00
54	ASB	5A	32689	CHLORIDE	5200.00

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 85

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
55	ASB	5A	70788	CHLORIDE	4700.00
56	ASB	5A	81484	CHLORIDE	9140.00
57	ASB	5A	102284	CHLORIDE	9100.00
58	ASB	BKG	12687	CHLORIDE	2500.00
59	ASB	BKG	12987	CHLORIDE	2900.00
60	ASB	BKG	20789	CHLORIDE	2200.00
61	ASB	BKG	22488	CHLORIDE	2150.00
62	ASB	BKG	31289	CHLORIDE	2500.00
63	ASB	BKG	51088	CHLORIDE	2450.00
64	ASB	BKG	51188	CHLORIDE	2000.00
65	ASB	BKG	61886	CHLORIDE	4166.67
66	ASB	BKG	72286	CHLORIDE	2270.00
67	ASB	BKG	72386	CHLORIDE	2270.00
68	ASB	BKG	80487	CHLORIDE	2950.00
69	ASB	BKG	81388	CHLORIDE	2400.00
70	ASB	BKG	81488	CHLORIDE	2300.00
71	ASB	BKG	102888	CHLORIDE	2100.00
72	ASB	BKG	110286	CHLORIDE	3400.00
73	ASB	BKG	110386	CHLORIDE	2800.00
74	ASB	BKG	110888	CHLORIDE	2200.00
75	ASB	BKG	121987	CHLORIDE	2400.00
76	ASB	5A	20487	COPPER	11.00
77	ASB	5A	22688	COPPER	2.00
78	ASB	5A	32689	COPPER	5.00
79	ASB	5A	81484	COPPER	2.00
80	ASB	5A	102284	COPPER	6.00
81	ASB	BKG	12687	COPPER	4.50
82	ASB	BKG	12987	COPPER	2.00
83	ASB	BKG	20789	COPPER	11.00
84	ASB	BKG	22488	COPPER	7.50
85	ASB	BKG	31289	COPPER	5.50
86	ASB	BKG	51088	COPPER	6.00
87	ASB	BKG	51188	COPPER	5.00
88	ASB	BKG	61886	COPPER	5.50
89	ASB	BKG	72286	COPPER	6.00
90	ASB	BKG	72386	COPPER	3.00
91	ASB	BKG	80487	COPPER	8.50
92	ASB	BKG	81388	COPPER	2.00
93	ASB	BKG	81488	COPPER	4.00
94	ASB	BKG	102888	COPPER	5.00
95	ASB	BKG	110286	COPPER	9.50
96	ASB	BKG	110386	COPPER	9.00
97	ASB	BKG	110888	COPPER	15.00
98	ASB	BKG	121787	COPPER	15.00
99	ASB	BKG	121987	COPPER	5.00
100	ASB	5A	20487	GROSS ALPHA	2.67
101	ASB	5A	21286	GROSS ALPHA	7.00
102	ASB	5A	22585	GROSS ALPHA	5.00
103	ASB	5A	22688	GROSS ALPHA	5.00
104	ASB	5A	32689	GROSS ALPHA	4.00
105	ASB	5A	70788	GROSS ALPHA	5.00
106	ASB	5A	80287	GROSS ALPHA	2.00
107	ASB	5A	80686	GROSS ALPHA	1.50
108	ASB	5A	81484	GROSS ALPHA	5.00

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 86

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
109	ASB	5A	102284	GROSS ALPHA	1.000
110	ASB	BKG	12687	GROSS ALPHA	7.000
111	ASB	BKG	12987	GROSS ALPHA	1.000
112	ASB	BKG	20789	GROSS ALPHA	1.500
113	ASB	BKG	22488	GROSS ALPHA	14.500
114	ASB	BKG	31289	GROSS ALPHA	23.750
115	ASB	BKG	40687	GROSS ALPHA	5.250
116	ASB	BKG	61886	GROSS ALPHA	5.750
117	ASB	BKG	72286	GROSS ALPHA	1.500
118	ASB	BKG	72386	GROSS ALPHA	7.000
119	ASB	BKG	80487	GROSS ALPHA	3.750
120	ASB	BKG	110286	GROSS ALPHA	1.500
121	ASB	BKG	110386	GROSS ALPHA	7.500
122	ASB	BKG	121787	GROSS ALPHA	22.000
123	ASB	BKG	121987	GROSS ALPHA	1.000
124	ASB	5A	20487	IRON	28.000
125	ASB	5A	21286	IRON	39.000
126	ASB	5A	22585	IRON	2.000
127	ASB	5A	22688	IRON	20.000
128	ASB	5A	32689	IRON	101.000
129	ASB	5A	70788	IRON	152.000
130	ASB	5A	80287	IRON	74.000
131	ASB	5A	81484	IRON	36.500
132	ASB	5A	102284	IRON	54.000
133	ASB	BKG	12687	IRON	19.500
134	ASB	BKG	12987	IRON	31.500
135	ASB	BKG	61886	IRON	39.000
136	ASB	BKG	72286	IRON	31.500
137	ASB	BKG	72386	IRON	31.333
138	ASB	BKG	80487	IRON	76.500
139	ASB	BKG	110286	IRON	33.500
140	ASB	BKG	110386	IRON	27.667
141	ASB	BKG	121787	IRON	33.000
142	ASB	BKG	121987	IRON	40.000
143	ASB	5A	20487	LEAD	5.000
144	ASB	5A	22585	LEAD	2.000
145	ASB	5A	22688	LEAD	3.000
146	ASB	5A	32689	LEAD	3.000
147	ASB	5A	41886	LEAD	8.000
148	ASB	5A	42385	LEAD	8.000
149	ASB	5A	70788	LEAD	3.000
150	ASB	5A	80287	LEAD	10.000
151	ASB	5A	80686	LEAD	3.000
152	ASB	5A	81484	LEAD	13.500
153	ASB	5A	82685	LEAD	5.000
154	ASB	5A	102284	LEAD	9.000
155	ASB	5A	102985	LEAD	5.000
156	ASB	BKG	12687	LEAD	11.500
157	ASB	BKG	12987	LEAD	8.667
158	ASB	BKG	20789	LEAD	20.000
159	ASB	BKG	22488	LEAD	8.500
160	ASB	BKG	31289	LEAD	3.000
161	ASB	BKG	40687	LEAD	11.000
162	ASB	BKG	51088	LEAD	11.000

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 87

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
163	ASB	BKG	51188	LEAD	9.00
164	ASB	BKG	61886	LEAD	24.50
165	ASB	BKG	72286	LEAD	22.50
166	ASB	BKG	72386	LEAD	28.33
167	ASB	BKG	80487	LEAD	8.50
168	ASB	BKG	81388	LEAD	3.00
169	ASB	BKG	81488	LEAD	3.00
170	ASB	BKG	102888	LEAD	9.50
171	ASB	BKG	110286	LEAD	17.00
172	ASB	BKG	110388	LEAD	17.67
173	ASB	BKG	110888	LEAD	15.00
174	ASB	BKG	121787	LEAD	8.00
175	ASB	BKG	121987	LEAD	9.00
176	ASB	BKG	12687	MAGNESIUM	435.00
177	ASB	BKG	12987	MAGNESIUM	481.00
178	ASB	BKG	110286	MAGNESIUM	485.00
179	ASB	BKG	110386	MAGNESIUM	443.33
180	ASB	5A	20487	MANGANESE	12.00
181	ASB	5A	21286	MANGANESE	11.00
182	ASB	5A	22585	MANGANESE	4.00
183	ASB	5A	22688	MANGANESE	14.00
184	ASB	5A	32689	MANGANESE	11.00
185	ASB	5A	70788	MANGANESE	28.00
186	ASB	5A	80287	MANGANESE	19.00
187	ASB	5A	80688	MANGANESE	11.00
188	ASB	5A	81484	MANGANESE	29.50
189	ASB	5A	102284	MANGANESE	24.00
190	ASB	BKG	12687	MANGANESE	3.50
191	ASB	BKG	12987	MANGANESE	19.33
192	ASB	BKG	20789	MANGANESE	17.00
193	ASB	BKG	31289	MANGANESE	3.50
194	ASB	BKG	61886	MANGANESE	14.00
195	ASB	BKG	72286	MANGANESE	24.50
196	ASB	BKG	72386	MANGANESE	5.00
197	ASB	BKG	80487	MANGANESE	11.00
198	ASB	BKG	81388	MANGANESE	13.00
199	ASB	BKG	81488	MANGANESE	3.00
200	ASB	BKG	110286	MANGANESE	21.00
201	ASB	BKG	110386	MANGANESE	5.00
202	ASB	BKG	121787	MANGANESE	14.00
203	ASB	BKG	121987	MANGANESE	15.00
204	ASB	5A	20487	NITRATE AS NITROGEN	330.00
205	ASB	5A	22585	NITRATE AS NITROGEN	1150.00
206	ASB	5A	32689	NITRATE AS NITROGEN	211.00
207	ASB	5A	70788	NITRATE AS NITROGEN	310.00
208	ASB	5A	81484	NITRATE AS NITROGEN	250.00
209	ASB	5A	102284	NITRATE AS NITROGEN	250.00
210	ASB	BKG	12687	NITRATE AS NITROGEN	2180.00
211	ASB	BKG	12987	NITRATE AS NITROGEN	1200.00
212	ASB	BKG	20789	NITRATE AS NITROGEN	998.00
213	ASB	BKG	22488	NITRATE AS NITROGEN	1525.00
214	ASB	BKG	31289	NITRATE AS NITROGEN	1980.00
215	ASB	BKG	40687	NITRATE AS NITROGEN	1670.00
216	ASB	BKG	51088	NITRATE AS NITROGEN	1560.00

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 88

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
217	ASB	BKG	51188	NITRATE AS NITROGEN	880.00
218	ASB	BKG	61886	NITRATE AS NITROGEN	1783.33
219	ASB	BKG	72286	NITRATE AS NITROGEN	1190.00
220	ASB	BKG	72386	NITRATE AS NITROGEN	2070.00
221	ASB	BKG	80487	NITRATE AS NITROGEN	1675.00
222	ASB	BKG	81388	NITRATE AS NITROGEN	1080.00
223	ASB	BKG	81488	NITRATE AS NITROGEN	1980.00
224	ASB	BKG	102888	NITRATE AS NITROGEN	1210.00
225	ASB	BKG	110286	NITRATE AS NITROGEN	1170.00
226	ASB	BKG	110386	NITRATE AS NITROGEN	2140.00
227	ASB	BKG	110888	NITRATE AS NITROGEN	2240.00
228	ASB	BKG	121787	NITRATE AS NITROGEN	3040.00
229	ASB	BKG	121987	NITRATE AS NITROGEN	1370.00
230	ASB	5A	20487	NONVOLATILE BETA	6.67
231	ASB	5A	21286	NONVOLATILE BETA	5.00
232	ASB	5A	22585	NONVOLATILE BETA	3.00
233	ASB	5A	22688	NONVOLATILE BETA	3.00
234	ASB	5A	32689	NONVOLATILE BETA	2.00
235	ASB	5A	70788	NONVOLATILE BETA	2.00
236	ASB	5A	81484	NONVOLATILE BETA	1.00
237	ASB	5A	102284	NONVOLATILE BETA	1.50
238	ASB	BKG	12687	NONVOLATILE BETA	5.00
239	ASB	BKG	12987	NONVOLATILE BETA	2.00
240	ASB	BKG	20789	NONVOLATILE BETA	1.00
241	ASB	BKG	22488	NONVOLATILE BETA	8.67
242	ASB	BKG	31289	NONVOLATILE BETA	14.25
243	ASB	BKG	40687	NONVOLATILE BETA	4.50
244	ASB	BKG	61886	NONVOLATILE BETA	4.00
245	ASB	BKG	72286	NONVOLATILE BETA	1.00
246	ASB	BKG	72386	NONVOLATILE BETA	4.00
247	ASB	BKG	80487	NONVOLATILE BETA	3.00
248	ASB	BKG	110286	NONVOLATILE BETA	1.00
249	ASB	BKG	110386	NONVOLATILE BETA	5.50
250	ASB	BKG	121787	NONVOLATILE BETA	14.00
251	ASB	BKG	121987	NONVOLATILE BETA	3.00
252	ASB	5A	20487	PH	5.00
253	ASB	5A	21286	PH	4.00
254	ASB	5A	22585	PH	4.00
255	ASB	5A	22688	PH	5.00
256	ASB	5A	32384	PH	6.00
257	ASB	5A	32689	PH	5.00
258	ASB	5A	40588	PH	6.00
259	ASB	5A	41284	PH	6.00
260	ASB	5A	41886	PH	5.00
261	ASB	5A	42385	PH	5.00
262	ASB	5A	42587	PH	5.00
263	ASB	5A	70788	PH	5.00
264	ASB	5A	80287	PH	6.00
265	ASB	5A	80686	PH	4.00
266	ASB	5A	81484	PH	5.00
267	ASB	5A	82685	PH	4.00
268	ASB	5A	100288	PH	5.00
269	ASB	5A	101186	PH	5.00
270	ASB	5A	102284	PH	5.00

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 89

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
271	ASB	5A	102287	PH	5.0
272	ASB	5A	102985	PH	4.0
273	ASB	BKG	12687	PH	5.0
274	ASB	BKG	12987	PH	4.0
275	ASB	BKG	20789	PH	5.0
276	ASB	BKG	22488	PH	5.0
277	ASB	BKG	31289	PH	4.0
278	ASB	BKG	40887	PH	4.5
279	ASB	BKG	51088	PH	4.0
280	ASB	BKG	51188	PH	5.0
281	ASB	BKG	61886	PH	5.0
282	ASB	BKG	72286	PH	5.0
283	ASB	BKG	72386	PH	5.0
284	ASB	BKG	80487	PH	5.0
285	ASB	BKG	81388	PH	5.0
286	ASB	BKG	81488	PH	4.0
287	ASB	BKG	90687	PH	5.0
288	ASB	BKG	90887	PH	5.0
289	ASB	BKG	102888	PH	5.0
290	ASB	BKG	110286	PH	4.0
291	ASB	BKG	110386	PH	4.0
292	ASB	BKG	110888	PH	5.0
293	ASB	BKG	121787	PH	4.0
294	ASB	BKG	121987	PH	5.0
295	ASB	5A	20487	SODIUM	4975.0
296	ASB	5A	21286	SODIUM	5400.0
297	ASB	5A	22585	SODIUM	7410.0
298	ASB	5A	22688	SODIUM	3190.0
299	ASB	5A	32689	SODIUM	2510.0
300	ASB	5A	42385	SODIUM	6720.0
301	ASB	5A	70788	SODIUM	2760.0
302	ASB	5A	80287	SODIUM	2600.0
303	ASB	5A	81484	SODIUM	4055.0
304	ASB	5A	82685	SODIUM	7380.0
305	ASB	5A	101186	SODIUM	4620.0
306	ASB	5A	102284	SODIUM	5320.0
307	ASB	5A	102985	SODIUM	6210.0
308	ASB	BKG	12687	SODIUM	4475.0
309	ASB	BKG	12987	SODIUM	1990.0
310	ASB	BKG	20789	SODIUM	1740.0
311	ASB	BKG	22488	SODIUM	2610.0
312	ASB	BKG	31289	SODIUM	2530.0
313	ASB	BKG	40887	SODIUM	2840.0
314	ASB	BKG	51088	SODIUM	3700.0
315	ASB	BKG	51188	SODIUM	1680.0
316	ASB	BKG	61886	SODIUM	2820.0
317	ASB	BKG	72286	SODIUM	1935.0
318	ASB	BKG	72386	SODIUM	4330.0
319	ASB	BKG	80487	SODIUM	2620.0
320	ASB	BKG	81388	SODIUM	1630.0
321	ASB	BKG	81488	SODIUM	3380.0
322	ASB	BKG	102888	SODIUM	1730.0
323	ASB	BKG	110286	SODIUM	1725.0
324	ASB	BKG	110386	SODIUM	3880.0

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 90

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
325	ASB	BKG	110888	SODIUM	3280.0
326	ASB	BKG	121787	SODIUM	3460.0
327	ASB	BKG	121987	SODIUM	1660.0
328	ASB	5A	20487	SPECIFIC CONDUCTANCE	38.0
329	ASB	5A	21286	SPECIFIC CONDUCTANCE	45.0
330	ASB	5A	22585	SPECIFIC CONDUCTANCE	87.0
331	ASB	5A	22688	SPECIFIC CONDUCTANCE	45.0
332	ASB	5A	32384	SPECIFIC CONDUCTANCE	54.0
333	ASB	5A	32688	SPECIFIC CONDUCTANCE	39.0
334	ASB	5A	40588	SPECIFIC CONDUCTANCE	47.0
335	ASB	5A	41284	SPECIFIC CONDUCTANCE	44.0
336	ASB	5A	41886	SPECIFIC CONDUCTANCE	47.0
337	ASB	5A	42385	SPECIFIC CONDUCTANCE	61.0
338	ASB	5A	42587	SPECIFIC CONDUCTANCE	39.0
339	ASB	5A	70788	SPECIFIC CONDUCTANCE	38.0
340	ASB	5A	80287	SPECIFIC CONDUCTANCE	38.0
341	ASB	5A	80686	SPECIFIC CONDUCTANCE	54.0
342	ASB	5A	81484	SPECIFIC CONDUCTANCE	62.0
343	ASB	5A	82685	SPECIFIC CONDUCTANCE	52.0
344	ASB	5A	100288	SPECIFIC CONDUCTANCE	41.0
345	ASB	5A	101186	SPECIFIC CONDUCTANCE	53.0
346	ASB	5A	102284	SPECIFIC CONDUCTANCE	87.0
347	ASB	5A	102287	SPECIFIC CONDUCTANCE	46.0
348	ASB	5A	102985	SPECIFIC CONDUCTANCE	38.0
349	ASB	BKG	12687	SPECIFIC CONDUCTANCE	19.0
350	ASB	BKG	12987	SPECIFIC CONDUCTANCE	28.0
351	ASB	BKG	20788	SPECIFIC CONDUCTANCE	28.0
352	ASB	BKG	22488	SPECIFIC CONDUCTANCE	31.5
353	ASB	BKG	31288	SPECIFIC CONDUCTANCE	35.0
354	ASB	BKG	40687	SPECIFIC CONDUCTANCE	30.0
355	ASB	BKG	51088	SPECIFIC CONDUCTANCE	38.0
356	ASB	BKG	51188	SPECIFIC CONDUCTANCE	24.0
357	ASB	BKG	61888	SPECIFIC CONDUCTANCE	26.0
358	ASB	BKG	72288	SPECIFIC CONDUCTANCE	26.0
359	ASB	BKG	72388	SPECIFIC CONDUCTANCE	40.0
360	ASB	BKG	80487	SPECIFIC CONDUCTANCE	31.0
361	ASB	BKG	81388	SPECIFIC CONDUCTANCE	25.0
362	ASB	BKG	81488	SPECIFIC CONDUCTANCE	36.0
363	ASB	BKG	90687	SPECIFIC CONDUCTANCE	29.0
364	ASB	BKG	90887	SPECIFIC CONDUCTANCE	38.0
365	ASB	BKG	102888	SPECIFIC CONDUCTANCE	25.0
366	ASB	BKG	110288	SPECIFIC CONDUCTANCE	32.0
367	ASB	BKG	110388	SPECIFIC CONDUCTANCE	43.0
368	ASB	BKG	110888	SPECIFIC CONDUCTANCE	35.0
369	ASB	BKG	121787	SPECIFIC CONDUCTANCE	28.0
370	ASB	BKG	121987	SPECIFIC CONDUCTANCE	20.0
371	ASB	5A	20487	TETRACHLOROETHYLENE	4.0
372	ASB	5A	22888	TETRACHLOROETHYLENE	3.0
373	ASB	5A	32688	TETRACHLOROETHYLENE	2.0
374	ASB	5A	42587	TETRACHLOROETHYLENE	1.0
375	ASB	5A	70788	TETRACHLOROETHYLENE	2.0
376	ASB	5A	80287	TETRACHLOROETHYLENE	2.0
377	ASB	5A	101186	TETRACHLOROETHYLENE	2.5
378	ASB	5A	102287	TETRACHLOROETHYLENE	2.0

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 91

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
379	ASB	5A	20487	TOTAL DISSOLVED SOLIDS	18000.00
380	ASB	5A	32689	TOTAL DISSOLVED SOLIDS	28000.00
381	ASB	5A	81484	TOTAL DISSOLVED SOLIDS	57000.00
382	ASB	5A	102284	TOTAL DISSOLVED SOLIDS	30000.00
383	ASB	BKG	12687	TOTAL DISSOLVED SOLIDS	22000.00
384	ASB	BKG	12987	TOTAL DISSOLVED SOLIDS	32000.00
385	ASB	BKG	20789	TOTAL DISSOLVED SOLIDS	2500.00
386	ASB	BKG	22488	TOTAL DISSOLVED SOLIDS	24000.00
387	ASB	BKG	31289	TOTAL DISSOLVED SOLIDS	23000.00
388	ASB	BKG	40687	TOTAL DISSOLVED SOLIDS	28400.00
389	ASB	BKG	51088	TOTAL DISSOLVED SOLIDS	40000.00
390	ASB	BKG	51188	TOTAL DISSOLVED SOLIDS	26000.00
391	ASB	BKG	80487	TOTAL DISSOLVED SOLIDS	64000.00
392	ASB	BKG	81388	TOTAL DISSOLVED SOLIDS	28000.00
393	ASB	BKG	81488	TOTAL DISSOLVED SOLIDS	31000.00
394	ASB	BKG	102888	TOTAL DISSOLVED SOLIDS	112000.00
395	ASB	BKG	110888	TOTAL DISSOLVED SOLIDS	59000.00
396	ASB	BKG	121787	TOTAL DISSOLVED SOLIDS	9000.00
397	ASB	BKG	121987	TOTAL DISSOLVED SOLIDS	52000.00
398	ASB	5A	20487	TOTAL ORGANIC HALOGENS	58.00
399	ASB	5A	21286	TOTAL ORGANIC HALOGENS	60.00
400	ASB	5A	22585	TOTAL ORGANIC HALOGENS	303.50
401	ASB	5A	22688	TOTAL ORGANIC HALOGENS	6.00
402	ASB	5A	32689	TOTAL ORGANIC HALOGENS	2.50
403	ASB	5A	42385	TOTAL ORGANIC HALOGENS	295.00
404	ASB	5A	70788	TOTAL ORGANIC HALOGENS	2.50
405	ASB	5A	80287	TOTAL ORGANIC HALOGENS	19.00
406	ASB	5A	80686	TOTAL ORGANIC HALOGENS	110.00
407	ASB	5A	82685	TOTAL ORGANIC HALOGENS	128.00
408	ASB	5A	101186	TOTAL ORGANIC HALOGENS	124.00
409	ASB	5A	102985	TOTAL ORGANIC HALOGENS	47.00
410	ASB	BKG	12687	TOTAL PHOSPHATES	30.00
411	ASB	BKG	12987	TOTAL PHOSPHATES	40.00
412	ASB	BKG	20789	TOTAL PHOSPHATES	10.00
413	ASB	BKG	31289	TOTAL PHOSPHATES	13.67
414	ASB	BKG	40687	TOTAL PHOSPHATES	10.00
415	ASB	BKG	51088	TOTAL PHOSPHATES	30.00
416	ASB	BKG	51188	TOTAL PHOSPHATES	40.00
417	ASB	BKG	61886	TOTAL PHOSPHATES	9.50
418	ASB	BKG	72286	TOTAL PHOSPHATES	39.00
419	ASB	BKG	72386	TOTAL PHOSPHATES	42.00
420	ASB	BKG	80487	TOTAL PHOSPHATES	15.00
421	ASB	BKG	81388	TOTAL PHOSPHATES	10.00
422	ASB	BKG	81488	TOTAL PHOSPHATES	10.00
423	ASB	BKG	102888	TOTAL PHOSPHATES	10.00
424	ASB	BKG	110286	TOTAL PHOSPHATES	39.50
425	ASB	BKG	110388	TOTAL PHOSPHATES	37.00
426	ASB	BKG	110888	TOTAL PHOSPHATES	60.00
427	ASB	BKG	121787	TOTAL PHOSPHATES	70.00
428	ASB	BKG	121987	TOTAL PHOSPHATES	100.00
429	ASB	5A	20487	TOTAL RADIUM	2.33
430	ASB	5A	21286	TOTAL RADIUM	4.00
431	ASB	5A	22585	TOTAL RADIUM	2.00
432	ASB	5A	22688	TOTAL RADIUM	2.00

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 92

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
433	ASB	5A	32689	TOTAL RADIUM	2.000
434	ASB	5A	70788	TOTAL RADIUM	2.000
435	ASB	5A	80287	TOTAL RADIUM	3.000
436	ASB	5A	80686	TOTAL RADIUM	3.000
437	ASB	5A	81484	TOTAL RADIUM	4.000
438	ASB	5A	102284	TOTAL RADIUM	2.000
439	ASB	BKG	12687	TOTAL RADIUM	7.000
440	ASB	BKG	12987	TOTAL RADIUM	0.500
441	ASB	BKG	20789	TOTAL RADIUM	1.000
442	ASB	BKG	22488	TOTAL RADIUM	4.833
443	ASB	BKG	31289	TOTAL RADIUM	12.000
444	ASB	BKG	40687	TOTAL RADIUM	4.250
445	ASB	BKG	51088	TOTAL RADIUM	6.000
446	ASB	BKG	51188	TOTAL RADIUM	0.500
447	ASB	BKG	61886	TOTAL RADIUM	4.500
448	ASB	BKG	72286	TOTAL RADIUM	1.000
449	ASB	BKG	72386	TOTAL RADIUM	9.000
450	ASB	BKG	80487	TOTAL RADIUM	3.500
451	ASB	BKG	81388	TOTAL RADIUM	1.000
452	ASB	BKG	81488	TOTAL RADIUM	7.000
453	ASB	BKG	102888	TOTAL RADIUM	0.500
454	ASB	BKG	110286	TOTAL RADIUM	0.500
455	ASB	BKG	110386	TOTAL RADIUM	7.500
456	ASB	BKG	110888	TOTAL RADIUM	6.000
457	ASB	BKG	121787	TOTAL RADIUM	6.000
458	ASB	BKG	121987	TOTAL RADIUM	0.000
459	ASB	5A	20487	TRICHLOROETHYLENE	82.500
460	ASB	5A	22688	TRICHLOROETHYLENE	11.000
461	ASB	5A	32689	TRICHLOROETHYLENE	2.000
462	ASB	5A	42587	TRICHLOROETHYLENE	23.000
463	ASB	5A	70788	TRICHLOROETHYLENE	3.000
464	ASB	5A	80287	TRICHLOROETHYLENE	28.000
465	ASB	5A	101186	TRICHLOROETHYLENE	185.000
466	ASB	5A	102287	TRICHLOROETHYLENE	15.000
467	ASB	BKG	40687	TURBIDITY	0.000
468	ASB	BKG	61886	TURBIDITY	0.667
469	ASB	BKG	80487	TURBIDITY	0.500
470	ASB	BKG	121787	TURBIDITY	0.000
471	ASB	BKG	121987	TURBIDITY	0.000
472	ASB	5A	20487	ZINC	15.000
473	ASB	5A	41886	ZINC	5.000
474	ASB	5A	81484	ZINC	44.500
475	ASB	5A	102284	ZINC	268.000
476	ASB	BKG	12687	ZINC	7.000
477	ASB	BKG	12987	ZINC	8.667
478	ASB	BKG	20789	ZINC	17.000
479	ASB	BKG	31289	ZINC	11.000
480	ASB	BKG	51088	ZINC	6.000
481	ASB	BKG	51188	ZINC	11.000
482	ASB	BKG	61886	ZINC	9.750
483	ASB	BKG	72286	ZINC	15.500
484	ASB	BKG	72386	ZINC	2.000
485	ASB	BKG	80487	ZINC	46.500
486	ASB	BKG	81388	ZINC	49.000

T-Test Data for ASB 5A

SAS 14:00 Saturday, August 5, 1989 93

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
487	ASB	BKG	81488	ZINC	24.0000
488	ASB	BKG	102888	ZINC	44.0000
489	ASB	BKG	110288	ZINC	8.0000
490	ASB	BKG	110388	ZINC	11.3333
491	ASB	BKG	110888	ZINC	12.0000
492	ASB	BKG	121787	ZINC	54.0000
493	ASB	BKG	121987	ZINC	17.0000

Statistical Comparison Results

TTEST PROCEDURE

***** TESTNAME=BARIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	6	13.16666667	2.48327740	1.01379376	10.00000000	16.00000000
BKG	19	5.78070175	3.06365222	0.70285002	2.00000000	14.00000000

Variances	T	Method	DF	Prob> T
Unequal	5.9873	Satterthwaite	10.3	0.0001
		Cochran	.	0.0009
Equal	5.3515		23.0	0.0000

For H0: Variances are equal, F' = 1.52 DF = (18,5) Prob>F' = 0.6794

***** TESTNAME=CHLORIDE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	8	7443.750000	2438.746385	862.2270531	4700.000000	11660.00000
BKG	18	2553.148148	535.242260	126.1578107	2000.000000	4166.66667

Variances	T	Method	DF	Prob> T
Unequal	5.6123	Satterthwaite	7.3	0.0007
		Cochran	.	0.0008
Equal	8.2684		24.0	0.0000

For H0: Variances are equal, F' = 20.76 DF = (7,17) Prob>F' = 0.0000

***** TESTNAME=COPPER *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	5	5.20000000	3.70135110	1.65529454	2.00000000	11.00000000
BKG	19	6.78947368	3.76871548	0.86460283	2.00000000	15.00000000

Variances	T	Method	DF	Prob> T
Unequal	-0.8511	Satterthwaite	6.4	0.4257
		Cochran	.	0.4355
Equal	-0.8418		22.0	0.4089

For H0: Variances are equal, F' = 1.04 DF = (18,4) Prob>F' = 1.0000

***** TESTNAME=GROSS ALPHA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	10	3.81666667	1.93481744	0.61184300	1.00000000	7.00000000
BKG	14	7.35714286	7.53562865	2.01398174	1.00000000	23.75000000

Variances	T	Method	DF	Prob> T
Unequal	-1.6820	Satterthwaite	15.3	0.1128
		Cochran	.	0.1173
Equal	-1.4436		22.0	0.1629

For H0: Variances are equal, F' = 15.17 DF = (13,8) Prob>F' = 0.0003

***** TESTNAME=IRON *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	9	56.27777778	46.41330030	15.47110010	2.00000000	152.0000000
BKG	10	36.35000000	15.21420105	4.81115281	19.50000000	76.5000000

Variances	T	Method	DF	Prob> T
Unequal	1.2300	Satterthwaite	9.5	0.2482
		Cochran	.	0.2533
Equal	1.2866		17.0	0.2155

For H0: Variances are equal, F' = 9.31 DF = (8,9) Prob>F' = 0.0030

***** TESTNAME=LEAD *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	13	5.96153846	3.46687623	0.96153846	2.00000000	13.5000000
BKG	20	12.48333333	7.15919643	1.60084499	3.00000000	28.3333333

Variances	T	Method	DF	Prob> T
Unequal	-3.4924	Satterthwaite	29.2	0.0015
		Cochran	.	0.0029
Equal	-3.0482		31.0	0.0047

For H0: Variances are equal, F' = 4.26 DF = (19,12) Prob>F' = 0.0134

***** TESTNAME=MANGANESE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	10	16.35000000	8.41311806	2.65046153	4.00000000	29.5000000
BKG	14	12.05852381	7.11703360	1.90210724	3.00000000	24.5000000

Variances	T	Method	DF	Prob> T
Unequal	1.3119	Satterthwaite	17.4	0.2066
		Cochran	.	0.2188
Equal	1.3504		22.0	0.1906

For H0: Variances are equal, F' = 1.40 DF = (9,13) Prob>F' = 0.5653

***** TESTNAME=NITRATE AS NITROGEN *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	6	416.8333333	361.8068085	147.7070110	211.0000000	1150.000000
BKG	20	1647.566667	538.2188613	120.3494184	880.0000000	3040.000000

Variances	T	Method	DF	Prob> T
Unequal	-6.4596	Satterthwaite	12.4	0.0001
		Cochran	.	0.0005
Equal	-5.2196		24.0	0.0000

For H0: Variances are equal, F' = 2.21 DF = (19,5) Prob>F' = 0.3866

***** TESTNAME=NONVOLATILE BETA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	8	3.02083333	1.91576066	0.67732368	1.00000000	6.66666667
BKG	14	5.06547619	4.36284068	1.16601822	1.00000000	14.25000000

Variances	T	Method	DF	Prob> T
Unequal	-1.5163	Satterthwaite	19.2	0.1458
		Cochran	.	0.1586
Equal	-1.2484		20.0	0.2263

For H0: Variances are equal, F' = 5.19 DF = (13,7) Prob>F' = 0.0366

***** TESTNAME=PH *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	21	4.95238095	0.66904338	0.14599724	4.00000000	6.00000000
BKG	22	4.65909091	0.47274184	0.10078890	4.00000000	5.00000000

Variances	T	Method	DF	Prob> T
Unequal	1.6532	Satterthwaite	35.9	0.1070
		Cochran	.	0.1137
Equal	1.6664		41.0	0.1033

For H0: Variances are equal, F' = 2.00 DF = (20,21) Prob>F' = 0.1222

***** TESTNAME=SODIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	13	4857.692308	1760.349889	488.2332144	2510.000000	7410.000000
BKG	20	2689.750000	939.937673	210.1764531	1630.000000	4475.000000

Variances	T	Method	DF	Prob> T
Unequal	4.0785	Satterthwaite	18.5	0.0008
		Cochran	.	0.0014
Equal	4.6118		31.0	0.0001

For H0: Variances are equal, F' = 3.51 DF = (12,19) Prob>F' = 0.0145

***** TESTNAME=SPECIFIC CONDUCTANCE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	21	50.23809524	14.25799692	3.11135001	38.00000000	87.00000000
BKG	22	30.34090909	6.32340016	1.34815344	19.00000000	43.00000000

Variances	T	Method	DF	Prob> T
Unequal	5.8679	Satterthwaite	27.3	0.0001
		Cochran	.	0.0001
Equal	5.8625		41.0	0.0000

For H0: Variances are equal, F' = 5.08 DF = (20,21) Prob>F' = 0.0005

***** TESTNAME=TOTAL DISSOLVED SOLIDS *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	4	33250.00000	16680.82732	8340.413659	18000.00000	57000.0000
BKG	15	36860.00000	26689.90713	6891.304390	2500.00000	112000.0000

Variances	T	Method	DF	Prob> T
Unequal	-0.3337	Satterthwaite	7.7	0.7475
		Cochran	.	0.7540
Equal	-0.2544		17.0	0.8022

For H0: Variances are equal, F' = 2.56 DF = (14,3) Prob>F' = 0.4768

***** TESTNAME=TOTAL RADIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	10	2.63333333	0.82327260	0.26034166	2.00000000	4.00000000
BKG	20	4.12916667	3.43490798	0.76806877	0.00000000	12.00000000

Variances	T	Method	DF	Prob> T
Unequal	-1.8444	Satterthwaite	23.0	0.0781
		Cochran	.	0.0827
Equal	-1.3468		28.0	0.1889

For H0: Variances are equal, F' = 17.41 DF = (19,9) Prob>F' = 0.0001

***** TESTNAME=ZINC *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
5A	4	83.12500000	124.3854058	62.19270288	5.00000000	268.0000000
BKG	18	19.65277778	16.6184658	3.91700996	2.00000000	54.0000000

Variances	T	Method	DF	Prob> T
Unequal	1.0186	Satterthwaite	3.0	0.3830
		Cochran	.	0.3832
Equal	2.2714		20.0	0.0343

For H0: Variances are equal, F' = 56.02 DF = (3,17) Prob>F' = 0.0000

Groundwater Monitoring Well

ASB 6A

Raw Data

Raw Data for ASB 6A

ASB 6A 020387 TOTAL DISSOLVED SOLIDS		12000.0000	UGL	EE
ASB 6A 020387 TOTAL DISSOLVED SOLIDS		10000.0000	UGL	EE
ASB 6A 020387 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 6A 020387 TOTAL RADIUM		4.3000	PCL	RM
ASB 6A 020387 TOTAL RADIUM		4.1000	PCL	RM
ASB 6A 020387 TOTAL ORGANIC HALOGENS		8.0000	UGL	EE
ASB 6A 020387 TOTAL PHOSPHATES		40.0000	UGL	EE
ASB 6A 020387 TOTAL PHOSPHATES		40.0000	UGL	EE
ASB 6A 020387 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 020387 TRITIUM		3.2400	PCML	RM
ASB 6A 020387 TRITIUM		3.0100	PCML	RM
ASB 6A 020387 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 020387 ZINC		12.0000	UGL	EE
ASB 6A 020387 ZINC		18.0000	UGL	EE
ASB 6A 042687 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 6A 042687 CHLOROFORM	LT	1.0000	UGL	EE
ASB 6A 042687 SPECIFIC CONDUCTANCE		44.0000	UMHC	FD
ASB 6A 042687 PH		4.7000	PH	FD
ASB 6A 042687 TETRACHLOROETHYLENE		2.4000	UGL	EE
ASB 6A 042687 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 042687 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 080287 GROSS ALPHA		3.1000	PCL	RM
ASB 6A 080287 GROSS ALPHA		3.8000	PCL	RM
ASB 6A 080287 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 6A 080287 CHLOROFORM	LT	1.0000	UGL	EE
ASB 6A 080287 SPECIFIC CONDUCTANCE		44.0000	UMHC	FD
ASB 6A 080287 CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 080287 IRON		71.0000	UGL	EE
ASB 6A 080287 MANGANESE		46.0000	UGL	EE
ASB 6A 080287 SODIUM		3640.0000	UGL	EE
ASB 6A 080287 LEAD		14.0000	UGL	EE
ASB 6A 080287 PH		6.0000	PH	FD
ASB 6A 080287 TETRACHLOROETHYLENE		1.9600	UGL	EE
ASB 6A 080287 TOTAL ORGANIC CARBON		1000.0000	UGL	EE
ASB 6A 080287 TOTAL RADIUM		4.5000	PCL	RM
ASB 6A 080287 TOTAL RADIUM		4.3000	PCL	RM
ASB 6A 080287 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 6A 080287 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 080287 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 101887 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 6A 101887 CHLOROFORM	LT	1.0000	UGL	EE
ASB 6A 101887 SPECIFIC CONDUCTANCE		53.0000	UMHC	FD
ASB 6A 101887 PH		4.8000	PH	FD
ASB 6A 101887 TETRACHLOROETHYLENE		2.3400	UGL	EE
ASB 6A 101887 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 101887 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 012788 GROSS ALPHA		19.0000	PCL	EE
ASB 6A 012788 NONVOLATILE BETA		11.0000	PCL	EE
ASB 6A 012788 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 6A 012788 CADMIUM	LT	2.0000	UGL	EE
ASB 6A 012788 CHLOROFORM	LT	1.0000	UGL	EE
ASB 6A 012788 CHLORIDE		7700.0000	UGL	EE
ASB 6A 012788 SPECIFIC CONDUCTANCE		47.0000	UMHC	FD
ASB 6A 012788 COPPER	LT	4.0000	UGL	EE
ASB 6A 012788 IRON		106.0000	UGL	EE
ASB 6A 012788 MERCURY	LT	0.2000	UGL	EE
ASB 6A 012788 MANGANESE		48.0000	UGL	EE
ASB 6A 012788 SODIUM		4670.0000	UGL	EE
ASB 6A 012788 NICKEL		6.0000	UGL	EE
ASB 6A 012788 LEAD		10.0000	UGL	EE
ASB 6A 012788 PH		4.8000	PH	FD
ASB 6A 012788 SULFATE	LT	5000.0000	UGL	EE
ASB 6A 012788 TETRACHLOROETHYLENE		1.7300	UGL	EE
ASB 6A 012788 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE

Raw Data for ASB 6A

ASB 6A 012788 TOTAL RADIUM		4.1000	PCL	EE
ASB 6A 012788 TOTAL ORGANIC HALOGENS		5.0000	UGL	EE
ASB 6A 012788 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 6A 012788 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 012788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 040588 SPECIFIC CONDUCTANCE		54.0000	UMHC	FD
ASB 6A 040588 PH		5.1000	PH	FD
ASB 6A 070788 SILVER	LT	2.0000	UGL	EE
ASB 6A 070788 GROSS ALPHA		13.9000	PCL	EE
ASB 6A 070788 ARSENIC	LT	2.0000	UGL	EE
ASB 6A 070788 BARIUM		8.0000	UGL	EE
ASB 6A 070788 NONVOLATILE BETA		8.3200	PCL	EE
ASB 6A 070788 CALCIUM		1550.0000	UGL	EE
ASB 6A 070788 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 6A 070788 CADMIUM	LT	2.0000	UGL	EE
ASB 6A 070788 CERIUM 144		0.0000	PCML	SR
ASB 6A 070788 CHLOROFORM	LT	1.0000	UGL	EE
ASB 6A 070788 CHLOROFORM	LT	1.0000	UGL	MA
ASB 6A 070788 CHLORIDE		7600.0000	UGL	EE
ASB 6A 070788 SPECIFIC CONDUCTANCE		50.0000	UMHC	FD
ASB 6A 070788 COBALT 60		0.0000	PCML	SR
ASB 6A 070788 CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 070788 CHROMIUM 51		0.0000	PCML	SR
ASB 6A 070788 CESIUM 134		0.0000	PCML	SR
ASB 6A 070788 CESIUM 137		0.0000	PCML	SR
ASB 6A 070788 FLUORIDE	LT	100.0000	UGL	EE
ASB 6A 070788 IRON		117.0000	UGL	EE
ASB 6A 070788 MERCURY	LT	0.2000	UGL	EE
ASB 6A 070788 IODINE 131		0.0000	PCML	SR
ASB 6A 070788 POTASSIUM	LT	500.0000	UGL	EE
ASB 6A 070788 MAGNESIUM		693.0000	UGL	EE
ASB 6A 070788 MANGANESE		32.0000	UGL	EE
ASB 6A 070788 SODIUM		4790.0000	UGL	EE
ASB 6A 070788 NITRATE AS NITROGEN		290.0000	UGL	EE
ASB 6A 070788 LEAD		8.0000	UGL	EE
ASB 6A 070788 LEAD 214		0.0900	PCML	SR
ASB 6A 070788 PH		4.8000	PH	FD
ASB 6A 070788 PHENOLS	LT	5.0000	UGL	EE
ASB 6A 070788 RUTHENIUM 103		0.0000	PCML	SR
ASB 6A 070788 RUTHENIUM 106		0.0000	PCML	SR
ASB 6A 070788 ANTIMONY 125		0.0000	PCML	SR
ASB 6A 070788 SELENIUM	LT	2.0000	UGL	EE
ASB 6A 070788 SILICA		1920.0000	UGL	EE
ASB 6A 070788 SULFATE	LT	5000.0000	UGL	EE
ASB 6A 070788 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 070788 TETRACHLOROETHYLENE		1.9000	UGL	MA
ASB 6A 070788 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 6A 070788 TOTAL RADIUM		3.9500	PCL	EE
ASB 6A 070788 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 6A 070788 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB 6A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB 6A 070788 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 6A 070788 TRITIUM		1.1400	PCML	EE
ASB 6A 070788 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 6A 070788 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 6A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 070788 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 6A 070788 ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 6A 100288 SPECIFIC CONDUCTANCE		54.0000	UMHC	FD
ASB 6A 100288 PH		4.7000	PH	FD
ASB 6A 032789 SILVER	LT	2.0000	UGL	EE
ASB 6A 032789 GROSS ALPHA		6.8200	PCL	RM
ASB 6A 032789 AMERICIUM 241		0.0820	PCL	TE
ASB 6A 032789 ARSENIC	LT	2.0000	UGL	EE

Raw Data for ASB 6A

ASB 6A 032789 BARIUM		9.0000	UGL	EE
ASB 6A 032789 BARIUM 140	LT	10.0000	PCL	TE
ASB 6A 032789 NONVOLATILE BETA		4.1300	PCL	RM
ASB 6A 032789 BERYLLIUM 7		0.0590	PCML	SR
ASB 6A 032789 BERYLLIUM 7	LT	40.0000	PCL	TE
ASB 6A 032789 CALCIUM		1210.0000	UGL	EE
ASB 6A 032789 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB 6A 032789 CADMIUM	LT	2.0000	UGL	EE
ASB 6A 032789 CERIUM 141	LT	10.0000	PCL	TE
ASB 6A 032789 CERIUM 144		0.0000	PCML	SR
ASB 6A 032789 CERIUM 144	LT	40.0000	PCL	TE
ASB 6A 032789 CHLOROFORM	LT	1.0000	UGL	EE
ASB 6A 032789 CHLOROFORM	LT	1.0000	UGL	MA
ASB 6A 032789 CHLORIDE		7800.0000	UGL	EE
ASB 6A 032789 CURIUM 242	LT	0.0800	PCL	TE
ASB 6A 032789 CURIUM 243/244	LT	0.1000	PCL	TE
ASB 6A 032789 SPECIFIC CONDUCTANCE		55.0000	UMEC	FD
ASB 6A 032789 SPECIFIC CONDUCTANCE		53.2000	UMEC	EE
ASB 6A 032789 COBALT 58	LT	4.0000	PCL	TE
ASB 6A 032789 COBALT 60		0.0000	PCML	SR
ASB 6A 032789 COBALT 60	LT	5.0000	PCL	TE
ASB 6A 032789 CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 032789 CHROMIUM 51		0.0000	PCML	SR
ASB 6A 032789 CESIUM 134		0.0000	PCML	SR
ASB 6A 032789 CESIUM 134	LT	5.0000	PCL	TE
ASB 6A 032789 CESIUM 137		0.0000	PCML	SR
ASB 6A 032789 CESIUM 137	LT	5.0000	PCL	TE
ASB 6A 032789 COPPER		4.0000	UGL	EE
ASB 6A 032789 FLUORIDE	LT	100.0000	UGL	EE
ASB 6A 032789 IRON		98.0000	UGL	EE
ASB 6A 032789 IRON 58	LT	9.0000	PCL	TE
ASB 6A 032789 MERCURY	LT	0.2000	UGL	EE
ASB 6A 032789 IODINE 131		0.0000	PCML	SR
ASB 6A 032789 IODINE 131	LT	20.0000	PCL	TE
ASB 6A 032789 POTASSIUM	LT	500.0000	UGL	EE
ASB 6A 032789 POTASSIUM 40	LT	100.0000	PCL	TE
ASB 6A 032789 MAGNESIUM		552.0000	UGL	EE
ASB 6A 032789 MANGANESE		27.0000	UGL	EE
ASB 6A 032789 MANGANESE 54	LT	4.0000	PCL	TE
ASB 6A 032789 SODIUM		6900.0000	UGL	EE
ASB 6A 032789 NICKEL	LT	4.0000	UGL	EE
ASB 6A 032789 NITRATE AS NITROGEN		452.0000	UGL	EE
ASB 6A 032789 LEAD		7.0000	UGL	EE
ASB 6A 032789 PH		4.7000	PH	FD
ASB 6A 032789 PH		4.8000	PH	EE
ASB 6A 032789 PHENOLS	LT	5.0000	UGL	EE
ASB 6A 032789 PLUTONIUM 238		0.6500	PCL	TE
ASB 6A 032789 PLUTONIUM 239/240		0.3100	PCL	TE
ASB 6A 032789 RADIUM 226	LT	100.0000	PCL	TE
ASB 6A 032789 RADIUM 226		3.5000	PCL	TE
ASB 6A 032789 RADIUM 226		3.4000	PCL	TE
ASB 6A 032789 RUTHENIUM 103		0.0000	PCML	SR
ASB 6A 032789 RUTHENIUM 103	LT	5.0000	PCL	TE
ASB 6A 032789 RUTHENIUM 106		0.0000	PCML	SR
ASB 6A 032789 RUTHENIUM 106	LT	40.0000	PCL	TE
ASB 6A 032789 ANTIMONY 125		0.0000	PCML	SR
ASB 6A 032789 SELENIUM	LT	2.0000	UGL	EE
ASB 6A 032789 SILICA		4890.0000	UGL	EE
ASB 6A 032789 SULFATE		5200.0000	UGL	EE
ASB 6A 032789 STRONTIUM 89	LT	4.0000	PCL	TE
ASB 6A 032789 STRONTIUM 90	LT	1.0000	PCL	TE
ASB 6A 032789 TETRACHLOROETHYLENE		4.8100	UGL	EE
ASB 6A 032789 TETRACHLOROETHYLENE		2.1600	UGL	MA
ASB 6A 032789 TOTAL DISSOLVED SOLIDS		32000.0000	UGL	EE

Raw Data for ASB 6A

ASB 6A 032789 THORIUM 228	LT	7.0000	PCL	TE
ASB 6A 032789 TOTAL ORGANIC CARBON		1800.0000	UGL	EE
ASB 6A 032789 TOTAL RADIUM		2.6300	PCL	RM
ASB 6A 032789 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB 6A 032789 TOTAL PHOSPHATES		28.0000	UGL	EE
ASB 6A 032789 TRICHLOROETHYLENE		1.1600	UGL	EE
ASB 6A 032789 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 6A 032789 TRITIUM		1.5500	PCML	RM
ASB 6A 032789 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB 6A 032789 URANIUM 234		17.0000	PCL	TE
ASB 6A 032789 URANIUM 235		0.0090	PCML	SR
ASB 6A 032789 URANIUM 235	LT	0.4000	PCL	TE
ASB 6A 032789 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB 6A 032789 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB 6A 032789 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB 6A 032789 ZINC 65	LT	9.0000	PCL	TE
ASB 6A 032789 ZIRCONIUM/NIOBIUM 95		0.0000	PCML	SR
ASB 6A 032789 ZIRCONIUM 95	LT	5.0000	PCL	TE

Raw Data for ASB 6A

ASB 6A 032384	SPECIFIC CONDUCTANCE		50.0000	UMHC	FD
ASB 6A 032384	PH		5.6000	PH	FD
ASB 6A 041284	SPECIFIC CONDUCTANCE		43.0000	UMHC	FD
ASB 6A 041284	PH		5.6000	PH	FD
ASB 6A 081484	SILVER	LT	2.0000	UGL	EE
ASB 6A 081484	GROSS ALPHA		5.0000	PCL	CP
ASB 6A 081484	ARSENIC	LT	1.0000	UGL	EE
ASB 6A 081484	BARIUM		9.0000	UGL	EE
ASB 6A 081484	BERYLLIUM	LT	2.0000	UGL	EE
ASB 6A 081484	NONVOLATILE BETA		4.0000	PCL	CP
ASB 6A 081484	CADMIUM	LT	2.0000	UGL	EE
ASB 6A 081484	CHLORIDE		8060.0000	UGL	EE
ASB 6A 081484	COLOR		16.0000	APC	EE
ASB 6A 081484	SPECIFIC CONDUCTANCE		50.0000	UMHC	FD
ASB 6A 081484	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 081484	COPPER	LT	4.0000	UGL	EE
ASB 6A 081484	CYANIDE	LT	5.0000	UGL	EE
ASB 6A 081484	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 6A 081484	FLUORIDE		120.0000	UGL	EE
ASB 6A 081484	IRON		40.0000	UGL	EE
ASB 6A 081484	GC SCAN	LT	40.0000	UGL	EE
ASB 6A 081484	MERCURY	LT	0.2000	UGL	EE
ASB 6A 081484	MANGANESE		40.0000	UGL	EE
ASB 6A 081484	SODIUM		2680.0000	UGL	EE
ASB 6A 081484	NICKEL	LT	4.0000	UGL	EE
ASB 6A 081484	NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 6A 081484	NITRATE AS NITROGEN		750.0000	UGL	EE
ASB 6A 081484	ODOR		0.0000	THON	EE
ASB 6A 081484	LEAD		16.0000	UGL	EE
ASB 6A 081484	PH		4.6000	PH	FD
ASB 6A 081484	PHENOLS		5.0000	UGL	EE
ASB 6A 081484	SELENIUM	LT	1.0000	UGL	EE
ASB 6A 081484	SILVEX	LT	2.0000	UGL	EE
ASB 6A 081484	SULFATE	LT	10000.0000	UGL	EE
ASB 6A 081484	SULFIDE	LT	1000.0000	UGL	EE
ASB 6A 081484	SURFACTANTS	LT	10.0000	UGL	EE
ASB 6A 081484	SURFACTANTS	LT	10.0000	UGL	EE
ASB 6A 081484	TOTAL DISSOLVED SOLIDS		22000.0000	UGL	EE
ASB 6A 081484	TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 6A 081484	TOTAL RADIUM		6.0000	PCL	CP
ASB 6A 081484	TOTAL ORGANIC HALOGENS		19.0000	UGL	MM
ASB 6A 081484	TURBIDITY		150.0000	TU	EE
ASB 6A 081484	2,4-DICHLOROPHENOXACETIC ACID	LT	20.0000	UGL	EE
ASB 6A 081484	ZINC		36.0000	UGL	EE
ASB 6A 102284	SILVER	LT	2.0000	UGL	EE
ASB 6A 102284	GROSS ALPHA	LT	2.0000	PCL	CP
ASB 6A 102284	ARSENIC	LT	1.0000	UGL	EE
ASB 6A 102284	BARIUM		10.0000	UGL	EE
ASB 6A 102284	BERYLLIUM	LT	2.0000	UGL	EE
ASB 6A 102284	NONVOLATILE BETA	LT	3.0000	PCL	CP
ASB 6A 102284	CADMIUM	LT	2.0000	UGL	EE
ASB 6A 102284	CHLORIDE		7200.0000	UGL	EE
ASB 6A 102284	COLOR		0.0000	APC	EE
ASB 6A 102284	SPECIFIC CONDUCTANCE		62.0000	UMHC	FD
ASB 6A 102284	CORROSIVITY		0.0048	MMY	EE
ASB 6A 102284	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 102284	COPPER		15.0000	UGL	EE
ASB 6A 102284	CYANIDE	LT	5.0000	UGL	EE
ASB 6A 102284	DISSOLVED ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 6A 102284	ENDRIN	LT	0.0400	UGL	EE
ASB 6A 102284	FLUORIDE	LT	100.0000	UGL	EE
ASB 6A 102284	IRON		36.0000	UGL	EE
ASB 6A 102284	GC SCAN	LT	40.0000	UGL	EE
ASB 6A 102284	MERCURY	LT	0.2000	UGL	EE

Raw Data for ASB 6A

ASB 6A 102284 LINDANE	LT	1.0000	UGL	EE
ASB 6A 102284 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 6A 102284 MANGANESE		43.0000	UGL	EE
ASB 6A 102284 SODIUM		3340.0000	UGL	EE
ASB 6A 102284 NICKEL	LT	4.0000	UGL	EE
ASB 6A 102284 NITRITE AS NITROGEN	LT	500.0000	UGL	EE
ASB 6A 102284 NITRATE AS NITROGEN	LT	500.0000	UGL	EE
ASB 6A 102284 ODOR		0.0000	THON	EE
ASB 6A 102284 LEAD		36.0000	UGL	EE
ASB 6A 102284 PH		4.1000	PH	FD
ASB 6A 102284 PHENOLS	LT	2.0000	UGL	EE
ASB 6A 102284 SELENIUM	LT	1.0000	UGL	EE
ASB 6A 102284 SILVEX	LT	2.0000	UGL	EE
ASB 6A 102284 SULFATE	LT	5000.0000	UGL	EE
ASB 6A 102284 SULFIDE	LT	1000.0000	UGL	EE
ASB 6A 102284 SURFACTANTS	LT	10.0000	UGL	EE
ASB 6A 102284 TOTAL DISSOLVED SOLIDS	LT	5000.0000	UGL	EE
ASB 6A 102284 TOTAL DISSOLVED SOLIDS	LT	5000.0000	UGL	EE
ASB 6A 102284 TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EE
ASB 6A 102284 TOTAL RADIUM	LT	1.0000	PCL	CP
ASB 6A 102284 TOTAL ORGANIC HALOGENS		11.0000	UGL	MM
ASB 6A 102284 TURBIDITY		2.1500	TU	EE
ASB 6A 102284 TOXAPHENE	LT	1.0000	UGL	EE
ASB 6A 102284 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 6A 102284 ZINC		37.0000	UGL	EE
ASB 6A 022585 SILVER	LT	2.0000	UGL	EE
ASB 6A 022585 GROSS ALPHA		9.0000	PCL	CP
ASB 6A 022585 ARSENIC	LT	1.0000	UGL	EE
ASB 6A 022585 BARIUM		7.0000	UGL	EE
ASB 6A 022585 NONVOLATILE BETA		7.0000	PCL	CP
ASB 6A 022585 CADMIUM	LT	2.0000	UGL	EE
ASB 6A 022585 CHLORIDE		6800.0000	UGL	EE
ASB 6A 022585 SPECIFIC CONDUCTANCE		57.0000	UMHC	FD
ASB 6A 022585 CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 022585 ENDRIN	LT	0.0400	UGL	EE
ASB 6A 022585 FLUORIDE	LT	100.0000	UGL	EE
ASB 6A 022585 IRON	LT	4.0000	UGL	EE
ASB 6A 022585 MERCURY	LT	0.2000	UGL	EE
ASB 6A 022585 MERCURY		0.2400	UGL	EE
ASB 6A 022585 LINDANE	LT	1.0000	UGL	EE
ASB 6A 022585 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB 6A 022585 MANGANESE		9.0000	UGL	EE
ASB 6A 022585 SODIUM		4210.0000	UGL	EE
ASB 6A 022585 NITRATE AS NITROGEN		1000.0000	UGL	EE
ASB 6A 022585 LEAD	LT	4.0000	UGL	EE
ASB 6A 022585 PH		4.1000	PH	FD
ASB 6A 022585 PHENOLS	LT	2.0000	UGL	EE
ASB 6A 022585 SELENIUM	LT	1.0000	UGL	EE
ASB 6A 022585 SILVEX	LT	2.0000	UGL	EE
ASB 6A 022585 SULFATE	LT	5000.0000	UGL	EE
ASB 6A 022585 TOTAL ORGANIC CARBON		1265.0000	UGL	EE
ASB 6A 022585 TOTAL RADIUM		4.0000	PCL	CP
ASB 6A 022585 TOTAL ORGANIC HALOGENS		44.3000	UGL	EE
ASB 6A 022585 TURBIDITY		5.2000	TU	EE
ASB 6A 022585 TOXAPHENE	LT	1.0000	UGL	EE
ASB 6A 022585 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB 6A 042385 SPECIFIC CONDUCTANCE		40.0000	UMHC	FD
ASB 6A 042385 CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 042385 MERCURY	LT	0.2000	UGL	EE
ASB 6A 042385 SODIUM		3676.0000	UGL	EE
ASB 6A 042385 LEAD		7.0000	UGL	EE
ASB 6A 042385 PH		4.6000	PH	FD
ASB 6A 042385 TOTAL ORGANIC CARBON		481.0000	UGL	EE
ASB 6A 042385 TOTAL ORGANIC HALOGENS		13.4000	UGL	EE

Raw Data for ASB 6A

ASB 6A 082685	SPECIFIC CONDUCTANCE		41.0000	UMHC	FD
ASB 6A 082685	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 082685	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 082685	MERCURY	LT	0.2000	UGL	EE
ASB 6A 082685	SODIUM		4270.0000	UGL	EE
ASB 6A 082685	SODIUM		4350.0000	UGL	EE
ASB 6A 082685	LEAD	LT	10.0000	UGL	EE
ASB 6A 082685	LEAD		10.0000	UGL	EE
ASB 6A 082685	PH		3.9000	PH	FD
ASB 6A 082685	TOTAL ORGANIC CARBON		610.0000	UGL	EE
ASB 6A 082685	TOTAL ORGANIC HALOGENS		9.0000	UGL	EE
ASB 6A 102985	SPECIFIC CONDUCTANCE		37.0000	UMHC	FD
ASB 6A 102985	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 102985	MERCURY	LT	0.2000	UGL	EE
ASB 6A 102985	MERCURY	LT	0.2000	UGL	EE
ASB 6A 102985	SODIUM		4990.0000	UGL	EE
ASB 6A 102985	LEAD		13.0000	UGL	EE
ASB 6A 102985	PH		4.2000	PH	FD
ASB 6A 102985	TOTAL ORGANIC CARBON		600.0000	UGL	EE
ASB 6A 102985	TOTAL ORGANIC HALOGENS		13.0000	UGL	EE
ASB 6A 021286	GROSS ALPHA		11.0000	PCL	CP
ASB 6A 021286	NONVOLATILE BETA		11.0000	PCL	CP
ASB 6A 021286	CHLORIDE		6400.0000	UGL	EE
ASB 6A 021286	SPECIFIC CONDUCTANCE		39.0000	UMHC	FD
ASB 6A 021286	IRON		49.0000	UGL	EE
ASB 6A 021286	IRON		38.0000	UGL	EE
ASB 6A 021286	MERCURY	LT	0.2000	UGL	EE
ASB 6A 021286	MANGANESE		27.0000	UGL	EE
ASB 6A 021286	MANGANESE		30.0000	UGL	EE
ASB 6A 021286	SODIUM		4950.0000	UGL	EE
ASB 6A 021286	SODIUM		4540.0000	UGL	EE
ASB 6A 021286	PH		4.0000	PH	FD
ASB 6A 021286	PHENOLS	LT	2.0000	UGL	EE
ASB 6A 021286	SULFATE	LT	5000.0000	UGL	EE
ASB 6A 021286	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 6A 021286	TOTAL RADIUM		7.0000	PCL	CP
ASB 6A 021286	TOTAL ORGANIC HALOGENS		9.0000	UGL	EE
ASB 6A 041886	SPECIFIC CONDUCTANCE		39.0000	UMHC	FD
ASB 6A 041886	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 041886	NICKEL	LT	4.0000	UGL	EE
ASB 6A 041886	LEAD		11.0000	UGL	EE
ASB 6A 041886	PH		4.5000	PH	FD
ASB 6A 041886	ZINC	LT	2.0000	UGL	EE
ASB 6A 080686	GROSS ALPHA		5.3000	PCL	RM
ASB 6A 080686	SPECIFIC CONDUCTANCE		41.0000	UMHC	FD
ASB 6A 080686	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 080686	MANGANESE		35.0000	UGL	EE
ASB 6A 080686	LEAD		8.0000	UGL	EE
ASB 6A 080686	PH		4.2000	PH	FD
ASB 6A 080686	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB 6A 080686	TOTAL RADIUM		4.5000	PCL	RM
ASB 6A 080686	TOTAL ORGANIC HALOGENS		10.0000	UGL	EE
ASB 6A 101186	BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB 6A 101186	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB 6A 101186	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB 6A 101186	BROMOFORM	LT	10.0000	UGL	EE
ASB 6A 101186	CHLOROFORM	LT	5.0000	UGL	EE
ASB 6A 101186	BROMOMETHANE	LT	10.0000	UGL	EE
ASB 6A 101186	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB 6A 101186	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB 6A 101186	SPECIFIC CONDUCTANCE		48.0000	UMHC	FD
ASB 6A 101186	CHROMIUM	LT	4.0000	UGL	EE
ASB 6A 101186	CHLOROETHENE	LT	10.0000	UGL	EE
ASB 6A 101186	CHLOROETHANE	LT	10.0000	UGL	EE

Raw Data for ASB 6A

ASB 6A 101186 BENZENE	LT	5.0000 UGL	EE
ASB 6A 101186 DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB 6A 101186 ETHYLBENZENE	LT	5.0000 UGL	EE
ASB 6A 101186 TOLUENE-D8		94.0000 PER	EE
ASB 6A 101186 TOLUENE	LT	5.0000 UGL	EE
ASB 6A 101186 SODIUM		3200.0000 UGL	EE
ASB 6A 101186 P-BROMOFLUOROBENZENE		105.0000 PER	EE
ASB 6A 101186 PH		4.8000 PH	FD
ASB 6A 101186 1,1,2,2-TETRACHLOROETHANE	LT	10.0000 UGL	EE
ASB 6A 101186 TETRACHLOROETHYLENE		8.0000 UGL	EE
ASB 6A 101186 TOTAL ORGANIC HALOGENS		8.0000 UGL	EE
ASB 6A 101186 TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB 6A 101186 TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB 6A 101186 1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB 6A 101186 1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB 6A 101186 1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB 6A 101186 1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB 6A 101186 1,2-DICHLOROETHANE-D4		110.0000 PER	EE
ASB 6A 101186 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB 6A 101186 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB 6A 101186 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB 6A 101186 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB 6A 101186 2-CHLOROETHYLVINYL ETHER	LT	10.0000 UGL	EE
ASB 6A 020387 SILVER	LT	2.0000 UGL	EE
ASB 6A 020387 GROSS ALPHA		5.0000 PCL	RM
ASB 6A 020387 GROSS ALPHA		3.5000 PCL	RM
ASB 6A 020387 ARSENIC	LT	2.0000 UGL	EE
ASB 6A 020387 BARIUM		9.0000 UGL	EE
ASB 6A 020387 BARIUM		9.0000 UGL	EE
ASB 6A 020387 NONVOLATILE BETA		4.9000 PCL	RM
ASB 6A 020387 NONVOLATILE BETA		3.6000 PCL	RM
ASB 6A 020387 CALCIUM		1500.0000 UGL	EE
ASB 6A 020387 CALCIUM		1600.0000 UGL	EE
ASB 6A 020387 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB 6A 020387 CADMIUM	LT	2.0000 UGL	EE
ASB 6A 020387 CHLOROFORM	LT	1.0000 UGL	EE
ASB 6A 020387 CHLORIDE		5800.0000 UGL	EE
ASB 6A 020387 SPECIFIC CONDUCTANCE		41.0000 UMEC	FD
ASB 6A 020387 CHROMIUM	LT	4.0000 UGL	EE
ASB 6A 020387 CHROMIUM	LT	4.0000 UGL	EE
ASB 6A 020387 COPPER		4.0000 UGL	EE
ASB 6A 020387 COPPER		5.0000 UGL	EE
ASB 6A 020387 FLUORIDE	LT	100.0000 UGL	EE
ASB 6A 020387 IRON		48.0000 UGL	EE
ASB 6A 020387 IRON		51.0000 UGL	EE
ASB 6A 020387 MERCURY	LT	0.2000 UGL	EE
ASB 6A 020387 POTASSIUM		450.0000 UGL	EE
ASB 6A 020387 MAGNESIUM		761.0000 UGL	EE
ASB 6A 020387 MAGNESIUM		720.0000 UGL	EE
ASB 6A 020387 MANGANESE		38.0000 UGL	EE
ASB 6A 020387 MANGANESE		37.0000 UGL	EE
ASB 6A 020387 SODIUM		3210.0000 UGL	EE
ASB 6A 020387 SODIUM		3020.0000 UGL	EE
ASB 6A 020387 NICKEL	LT	4.0000 UGL	EE
ASB 6A 020387 NICKEL	LT	4.0000 UGL	EE
ASB 6A 020387 NITRATE AS NITROGEN		330.0000 UGL	EE
ASB 6A 020387 LEAD		8.0000 UGL	EE
ASB 6A 020387 LEAD		11.0000 UGL	EE
ASB 6A 020387 PH		4.7000 PH	FD
ASB 6A 020387 PHENOLS	LT	2.0000 UGL	EE
ASB 6A 020387 SELENIUM	LT	2.0000 UGL	EE
ASB 6A 020387 SILICA		2600.0000 UGL	EE
ASB 6A 020387 SULFATE		5000.0000 UGL	EE
ASB 6A 020387 TETRACHLOROETHYLENE		4.9400 UGL	EE

T-Test Data

T-Test Data for ASB 6A

SAS 14:04 Saturday, August 5, 1989 83

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
1	ASB	BKG	12687	ALUMINUM	43.00
2	ASB	BKG	12987	ALUMINUM	35.33
3	ASB	BKG	20789	ALUMINUM	80.00
4	ASB	BKG	22488	ALUMINUM	59.00
5	ASB	BKG	31289	ALUMINUM	46.50
6	ASB	BKG	40687	ALUMINUM	42.50
7	ASB	BKG	51088	ALUMINUM	253.00
8	ASB	BKG	51188	ALUMINUM	314.00
9	ASB	BKG	61886	ALUMINUM	62.00
10	ASB	BKG	72286	ALUMINUM	37.50
11	ASB	BKG	72386	ALUMINUM	45.00
12	ASB	BKG	80487	ALUMINUM	61.00
13	ASB	BKG	81388	ALUMINUM	42.00
14	ASB	BKG	81488	ALUMINUM	43.00
15	ASB	BKG	102888	ALUMINUM	51.00
16	ASB	BKG	110286	ALUMINUM	33.00
17	ASB	BKG	110386	ALUMINUM	37.67
18	ASB	BKG	110888	ALUMINUM	44.00
19	ASB	BKG	121787	ALUMINUM	74.00
20	ASB	BKG	121987	ALUMINUM	79.00
21	ASB	6A	20387	BARIUM	9.00
22	ASB	6A	22585	BARIUM	7.00
23	ASB	6A	32789	BARIUM	9.00
24	ASB	6A	70788	BARIUM	8.00
25	ASB	6A	81484	BARIUM	9.00
26	ASB	6A	102284	BARIUM	10.00
27	ASB	BKG	12687	BARIUM	7.50
28	ASB	BKG	12987	BARIUM	3.33
29	ASB	BKG	20789	BARIUM	5.00
30	ASB	BKG	22488	BARIUM	8.00
31	ASB	BKG	31289	BARIUM	8.50
32	ASB	BKG	51088	BARIUM	7.00
33	ASB	BKG	51188	BARIUM	2.00
34	ASB	BKG	61886	BARIUM	2.00
35	ASB	BKG	72286	BARIUM	4.00
36	ASB	BKG	72386	BARIUM	7.00
37	ASB	BKG	80487	BARIUM	6.50
38	ASB	BKG	81388	BARIUM	2.00
39	ASB	BKG	81488	BARIUM	6.00
40	ASB	BKG	102888	BARIUM	4.00
41	ASB	BKG	110286	BARIUM	2.00
42	ASB	BKG	110386	BARIUM	7.00
43	ASB	BKG	110888	BARIUM	9.00
44	ASB	BKG	121787	BARIUM	14.00
45	ASB	BKG	121987	BARIUM	5.00
46	ASB	6A	20387	CALCIUM	1550.00
47	ASB	6A	32789	CALCIUM	1210.00
48	ASB	6A	70788	CALCIUM	1550.00
49	ASB	BKG	12687	CALCIUM	265.00
50	ASB	BKG	12987	CALCIUM	876.33
51	ASB	BKG	110286	CALCIUM	983.50
52	ASB	BKG	110386	CALCIUM	655.00
53	ASB	6A	12788	CHLORIDE	7700.00
54	ASB	6A	20387	CHLORIDE	5800.00

T-Test Data for ASB 6A

SAS 14:04 Saturday, August 5, 1989 84

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
55	ASB	6A	21286	CHLORIDE	6400.00
56	ASB	6A	22585	CHLORIDE	6800.00
57	ASB	6A	32789	CHLORIDE	7800.00
58	ASB	6A	70788	CHLORIDE	7600.00
59	ASB	6A	81484	CHLORIDE	8060.00
60	ASB	6A	102284	CHLORIDE	7200.00
61	ASB	BKG	12687	CHLORIDE	2500.00
62	ASB	BKG	12987	CHLORIDE	2900.00
63	ASB	BKG	20789	CHLORIDE	2200.00
64	ASB	BKG	22488	CHLORIDE	2150.00
65	ASB	BKG	31289	CHLORIDE	2500.00
66	ASB	BKG	51088	CHLORIDE	2450.00
67	ASB	BKG	51188	CHLORIDE	2000.00
68	ASB	BKG	61886	CHLORIDE	4166.67
69	ASB	BKG	72286	CHLORIDE	2270.00
70	ASB	BKG	72386	CHLORIDE	2270.00
71	ASB	BKG	80487	CHLORIDE	2950.00
72	ASB	BKG	81388	CHLORIDE	2400.00
73	ASB	BKG	81488	CHLORIDE	2300.00
74	ASB	BKG	102888	CHLORIDE	2100.00
75	ASB	BKG	110286	CHLORIDE	3400.00
76	ASB	BKG	110386	CHLORIDE	2800.00
77	ASB	BKG	110888	CHLORIDE	2200.00
78	ASB	BKG	121987	CHLORIDE	2400.00
79	ASB	6A	12788	COPPER	2.00
80	ASB	6A	20387	COPPER	4.50
81	ASB	6A	32789	COPPER	4.00
82	ASB	6A	81484	COPPER	2.00
83	ASB	6A	102284	COPPER	15.00
84	ASB	BKG	12687	COPPER	4.50
85	ASB	BKG	12987	COPPER	2.00
86	ASB	BKG	20789	COPPER	11.00
87	ASB	BKG	22488	COPPER	7.50
88	ASB	BKG	31289	COPPER	5.50
89	ASB	BKG	51088	COPPER	6.00
90	ASB	BKG	51188	COPPER	5.00
91	ASB	BKG	61886	COPPER	5.50
92	ASB	BKG	72286	COPPER	6.00
93	ASB	BKG	72386	COPPER	3.00
94	ASB	BKG	80487	COPPER	8.50
95	ASB	BKG	81388	COPPER	2.00
96	ASB	BKG	81488	COPPER	4.00
97	ASB	BKG	102888	COPPER	5.00
98	ASB	BKG	110286	COPPER	9.50
99	ASB	BKG	110386	COPPER	9.00
100	ASB	BKG	110888	COPPER	15.00
101	ASB	BKG	121787	COPPER	15.00
102	ASB	BKG	121987	COPPER	5.00
103	ASB	6A	12788	GROSS ALPHA	19.00
104	ASB	6A	20387	GROSS ALPHA	4.50
105	ASB	6A	21286	GROSS ALPHA	11.00
106	ASB	6A	22585	GROSS ALPHA	9.00
107	ASB	6A	32789	GROSS ALPHA	7.00
108	ASB	6A	70788	GROSS ALPHA	14.00

T-Test Data for ASB 6A

SAS 14:04 Saturday, August 5, 1989 85

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
109	ASB	6A	80287	GROSS ALPHA	3.500
110	ASB	6A	80686	GROSS ALPHA	5.000
111	ASB	6A	81484	GROSS ALPHA	5.000
112	ASB	6A	102284	GROSS ALPHA	1.000
113	ASB	BKG	12687	GROSS ALPHA	7.000
114	ASB	BKG	12987	GROSS ALPHA	1.000
115	ASB	BKG	20789	GROSS ALPHA	1.500
116	ASB	BKG	22488	GROSS ALPHA	14.500
117	ASB	BKG	31289	GROSS ALPHA	23.750
118	ASB	BKG	40687	GROSS ALPHA	5.250
119	ASB	BKG	61886	GROSS ALPHA	5.750
120	ASB	BKG	72286	GROSS ALPHA	1.500
121	ASB	BKG	72386	GROSS ALPHA	7.000
122	ASB	BKG	80487	GROSS ALPHA	3.750
123	ASB	BKG	110286	GROSS ALPHA	1.500
124	ASB	BKG	110386	GROSS ALPHA	7.500
125	ASB	BKG	121787	GROSS ALPHA	22.000
126	ASB	BKG	121987	GROSS ALPHA	1.000
127	ASB	6A	12788	IRON	106.000
128	ASB	6A	20387	IRON	49.500
129	ASB	6A	21286	IRON	43.500
130	ASB	6A	22585	IRON	2.000
131	ASB	6A	32789	IRON	98.000
132	ASB	6A	70788	IRON	117.000
133	ASB	6A	80287	IRON	71.000
134	ASB	6A	81484	IRON	40.000
135	ASB	6A	102284	IRON	36.000
136	ASB	BKG	12687	IRON	19.500
137	ASB	BKG	12987	IRON	31.500
138	ASB	BKG	61886	IRON	39.000
139	ASB	BKG	72286	IRON	31.500
140	ASB	BKG	72386	IRON	31.333
141	ASB	BKG	80487	IRON	76.500
142	ASB	BKG	110286	IRON	33.500
143	ASB	BKG	110386	IRON	27.667
144	ASB	BKG	121787	IRON	33.000
145	ASB	BKG	121987	IRON	40.000
146	ASB	6A	12788	LEAD	10.000
147	ASB	6A	20387	LEAD	9.500
148	ASB	6A	22585	LEAD	2.000
149	ASB	6A	32789	LEAD	7.000
150	ASB	6A	41886	LEAD	11.000
151	ASB	6A	42385	LEAD	7.000
152	ASB	6A	70788	LEAD	8.000
153	ASB	6A	80287	LEAD	14.000
154	ASB	6A	80686	LEAD	8.000
155	ASB	6A	81484	LEAD	16.000
156	ASB	6A	82685	LEAD	7.500
157	ASB	6A	102284	LEAD	36.000
158	ASB	6A	102985	LEAD	13.000
159	ASB	BKG	12687	LEAD	11.500
160	ASB	BKG	12987	LEAD	8.667
161	ASB	BKG	20789	LEAD	20.000
162	ASB	BKG	22488	LEAD	8.500

T-Test Data for ASB 6A

SAS 14:04 Saturday, August 5, 1989 86

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
163	ASB	BKG	31289	LEAD	3.00
164	ASB	BKG	40687	LEAD	11.00
165	ASB	BKG	51088	LEAD	11.00
166	ASB	BKG	51188	LEAD	9.00
167	ASB	BKG	61886	LEAD	24.50
168	ASB	BKG	72286	LEAD	22.50
169	ASB	BKG	72386	LEAD	28.33
170	ASB	BKG	80487	LEAD	9.50
171	ASB	BKG	81388	LEAD	3.00
172	ASB	BKG	81488	LEAD	3.00
173	ASB	BKG	102888	LEAD	9.50
174	ASB	BKG	110286	LEAD	17.00
175	ASB	BKG	110386	LEAD	17.67
176	ASB	BKG	110888	LEAD	15.00
177	ASB	BKG	121787	LEAD	8.00
178	ASB	BKG	121987	LEAD	9.00
179	ASB	BKG	12687	MAGNESIUM	435.00
180	ASB	BKG	12987	MAGNESIUM	481.00
181	ASB	BKG	110286	MAGNESIUM	485.00
182	ASB	BKG	110386	MAGNESIUM	443.33
183	ASB	6A	12788	MANGANESE	48.00
184	ASB	6A	20387	MANGANESE	37.50
185	ASB	6A	21286	MANGANESE	28.50
186	ASB	6A	22585	MANGANESE	9.00
187	ASB	6A	32789	MANGANESE	27.00
188	ASB	6A	70788	MANGANESE	32.00
189	ASB	6A	80287	MANGANESE	46.00
190	ASB	6A	80686	MANGANESE	35.00
191	ASB	6A	81484	MANGANESE	40.00
192	ASB	6A	102284	MANGANESE	43.00
193	ASB	BKG	12687	MANGANESE	3.50
194	ASB	BKG	12987	MANGANESE	19.33
195	ASB	BKG	20789	MANGANESE	17.00
196	ASB	BKG	31289	MANGANESE	3.50
197	ASB	BKG	61886	MANGANESE	14.00
198	ASB	BKG	72286	MANGANESE	24.50
199	ASB	BKG	72386	MANGANESE	5.00
200	ASB	BKG	80487	MANGANESE	11.00
201	ASB	BKG	81388	MANGANESE	13.00
202	ASB	BKG	81488	MANGANESE	3.00
203	ASB	BKG	110286	MANGANESE	21.00
204	ASB	BKG	110386	MANGANESE	5.00
205	ASB	BKG	121787	MANGANESE	14.00
206	ASB	BKG	121987	MANGANESE	15.00
207	ASB	6A	20387	NITRATE AS NITROGEN	330.00
208	ASB	6A	22585	NITRATE AS NITROGEN	1000.00
209	ASB	6A	32789	NITRATE AS NITROGEN	452.00
210	ASB	6A	70788	NITRATE AS NITROGEN	290.00
211	ASB	6A	81484	NITRATE AS NITROGEN	750.00
212	ASB	6A	102284	NITRATE AS NITROGEN	250.00
213	ASB	BKG	12687	NITRATE AS NITROGEN	2180.00
214	ASB	BKG	12987	NITRATE AS NITROGEN	1200.00
215	ASB	BKG	20789	NITRATE AS NITROGEN	998.00
216	ASB	BKG	22488	NITRATE AS NITROGEN	1525.00

T-Test Data for ASB 6A

SAS 14:04 Saturday, August 5, 1989 87

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
217	ASB	BKG	31289	NITRATE AS NITROGEN	1990.00
218	ASB	BKG	40687	NITRATE AS NITROGEN	1670.00
219	ASB	BKG	51088	NITRATE AS NITROGEN	1560.00
220	ASB	BKG	51188	NITRATE AS NITROGEN	880.00
221	ASB	BKG	61886	NITRATE AS NITROGEN	1783.33
222	ASB	BKG	72286	NITRATE AS NITROGEN	1190.00
223	ASB	BKG	72386	NITRATE AS NITROGEN	2070.00
224	ASB	BKG	80487	NITRATE AS NITROGEN	1675.00
225	ASB	BKG	81388	NITRATE AS NITROGEN	1080.00
226	ASB	BKG	81488	NITRATE AS NITROGEN	1980.00
227	ASB	BKG	102888	NITRATE AS NITROGEN	1210.00
228	ASB	BKG	110286	NITRATE AS NITROGEN	1170.00
229	ASB	BKG	110386	NITRATE AS NITROGEN	2140.00
230	ASB	BKG	110888	NITRATE AS NITROGEN	2240.00
231	ASB	BKG	121787	NITRATE AS NITROGEN	3040.00
232	ASB	BKG	121987	NITRATE AS NITROGEN	1370.00
233	ASB	6A	12788	NONVOLATILE BETA	11.00
234	ASB	6A	20387	NONVOLATILE BETA	4.50
235	ASB	6A	21286	NONVOLATILE BETA	11.00
236	ASB	6A	22585	NONVOLATILE BETA	7.00
237	ASB	6A	32789	NONVOLATILE BETA	4.00
238	ASB	6A	70788	NONVOLATILE BETA	8.00
239	ASB	6A	81484	NONVOLATILE BETA	4.00
240	ASB	6A	102284	NONVOLATILE BETA	1.50
241	ASB	BKG	12687	NONVOLATILE BETA	5.00
242	ASB	BKG	12987	NONVOLATILE BETA	2.00
243	ASB	BKG	20789	NONVOLATILE BETA	1.00
244	ASB	BKG	22488	NONVOLATILE BETA	8.67
245	ASB	BKG	31289	NONVOLATILE BETA	14.25
246	ASB	BKG	40687	NONVOLATILE BETA	4.50
247	ASB	BKG	61886	NONVOLATILE BETA	4.00
248	ASB	BKG	72286	NONVOLATILE BETA	1.00
249	ASB	BKG	72386	NONVOLATILE BETA	4.00
250	ASB	BKG	80487	NONVOLATILE BETA	3.00
251	ASB	BKG	110286	NONVOLATILE BETA	1.00
252	ASB	BKG	110386	NONVOLATILE BETA	5.50
253	ASB	BKG	121787	NONVOLATILE BETA	14.00
254	ASB	BKG	121987	NONVOLATILE BETA	3.00
255	ASB	6A	12788	PH	5.00
256	ASB	6A	20387	PH	5.00
257	ASB	6A	21286	PH	4.00
258	ASB	6A	22585	PH	4.00
259	ASB	6A	32384	PH	6.00
260	ASB	6A	32789	PH	5.00
261	ASB	6A	40588	PH	5.00
262	ASB	6A	41284	PH	6.00
263	ASB	6A	41886	PH	5.00
264	ASB	6A	42385	PH	5.00
265	ASB	6A	42687	PH	5.00
266	ASB	6A	70788	PH	5.00
267	ASB	6A	80287	PH	6.00
268	ASB	6A	80686	PH	4.00
269	ASB	6A	81484	PH	5.00
270	ASB	6A	82685	PH	4.00

T-Test Data for ASB 6A

SAS 14:04 Saturday, August 5, 1989 88

OBS	SERIES	WELL	DATE	TESTNAME	VALUE
271	ASB	6A	100288	PH	5.0
272	ASB	6A	101186	PH	5.0
273	ASB	6A	101887	PH	5.0
274	ASB	6A	102284	PH	4.0
275	ASB	6A	102985	PH	4.0
276	ASB	BKG	12687	PH	5.0
277	ASB	BKG	12987	PH	4.0
278	ASB	BKG	20789	PH	5.0
279	ASB	BKG	22488	PH	5.0
280	ASB	BKG	31289	PH	4.0
281	ASB	BKG	40687	PH	4.5
282	ASB	BKG	51088	PH	4.0
283	ASB	BKG	51188	PH	5.0
284	ASB	BKG	61886	PH	5.0
285	ASB	BKG	72286	PH	5.0
286	ASB	BKG	72386	PH	5.0
287	ASB	BKG	80487	PH	5.0
288	ASB	BKG	81388	PH	5.0
289	ASB	BKG	81488	PH	4.0
290	ASB	BKG	90687	PH	5.0
291	ASB	BKG	90887	PH	5.0
292	ASB	BKG	102888	PH	5.0
293	ASB	BKG	110286	PH	4.0
294	ASB	BKG	110386	PH	4.0
295	ASB	BKG	110888	PH	5.0
296	ASB	BKG	121787	PH	4.0
297	ASB	BKG	121987	PH	5.0
298	ASB	6A	12788	SODIUM	4670.0
299	ASB	6A	20387	SODIUM	3115.0
300	ASB	6A	21286	SODIUM	4745.0
301	ASB	6A	22585	SODIUM	4210.0
302	ASB	6A	32789	SODIUM	6900.0
303	ASB	6A	42385	SODIUM	3676.0
304	ASB	6A	70788	SODIUM	4790.0
305	ASB	6A	80287	SODIUM	3640.0
306	ASB	6A	81484	SODIUM	2880.0
307	ASB	6A	82685	SODIUM	4310.0
308	ASB	6A	101186	SODIUM	3200.0
309	ASB	6A	102284	SODIUM	3340.0
310	ASB	6A	102985	SODIUM	4990.0
311	ASB	BKG	12687	SODIUM	4475.0
312	ASB	BKG	12987	SODIUM	1990.0
313	ASB	BKG	20789	SODIUM	1740.0
314	ASB	BKG	22488	SODIUM	2610.0
315	ASB	BKG	31289	SODIUM	2530.0
316	ASB	BKG	40687	SODIUM	2840.0
317	ASB	BKG	51088	SODIUM	3700.0
318	ASB	BKG	51188	SODIUM	1680.0
319	ASB	BKG	61886	SODIUM	2620.0
320	ASB	BKG	72286	SODIUM	1935.0
321	ASB	BKG	72386	SODIUM	4330.0
322	ASB	BKG	80487	SODIUM	2620.0
323	ASB	BKG	81388	SODIUM	1630.0
324	ASB	BKG	81488	SODIUM	3360.0

T-Test Data for ASB 6A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
325	ASB	BKG	102888	SODIUM	1730.0
326	ASB	BKG	110286	SODIUM	1725.0
327	ASB	BKG	110386	SODIUM	3680.0
328	ASB	BKG	110888	SODIUM	3280.0
329	ASB	BKG	121787	SODIUM	3460.0
330	ASB	BKG	121987	SODIUM	1660.0
331	ASB	6A	12788	SPECIFIC CONDUCTANCE	47.0
332	ASB	6A	20387	SPECIFIC CONDUCTANCE	41.0
333	ASB	6A	21286	SPECIFIC CONDUCTANCE	39.0
334	ASB	6A	22585	SPECIFIC CONDUCTANCE	57.0
335	ASB	6A	32384	SPECIFIC CONDUCTANCE	50.0
336	ASB	6A	32789	SPECIFIC CONDUCTANCE	55.0
337	ASB	6A	40588	SPECIFIC CONDUCTANCE	54.0
338	ASB	6A	41284	SPECIFIC CONDUCTANCE	43.0
339	ASB	6A	41886	SPECIFIC CONDUCTANCE	39.0
340	ASB	6A	42385	SPECIFIC CONDUCTANCE	40.0
341	ASB	6A	42687	SPECIFIC CONDUCTANCE	44.0
342	ASB	6A	70788	SPECIFIC CONDUCTANCE	50.0
343	ASB	6A	80287	SPECIFIC CONDUCTANCE	44.0
344	ASB	6A	80686	SPECIFIC CONDUCTANCE	41.0
345	ASB	6A	81484	SPECIFIC CONDUCTANCE	50.0
346	ASB	6A	82685	SPECIFIC CONDUCTANCE	41.0
347	ASB	6A	100288	SPECIFIC CONDUCTANCE	54.0
348	ASB	6A	101186	SPECIFIC CONDUCTANCE	48.0
349	ASB	6A	101887	SPECIFIC CONDUCTANCE	53.0
350	ASB	6A	102284	SPECIFIC CONDUCTANCE	62.0
351	ASB	6A	102985	SPECIFIC CONDUCTANCE	37.0
352	ASB	BKG	12687	SPECIFIC CONDUCTANCE	19.0
353	ASB	BKG	12987	SPECIFIC CONDUCTANCE	28.0
354	ASB	BKG	20789	SPECIFIC CONDUCTANCE	28.0
355	ASB	BKG	22488	SPECIFIC CONDUCTANCE	31.5
356	ASB	BKG	31289	SPECIFIC CONDUCTANCE	35.0
357	ASB	BKG	40687	SPECIFIC CONDUCTANCE	30.0
358	ASB	BKG	51088	SPECIFIC CONDUCTANCE	38.0
359	ASB	BKG	51188	SPECIFIC CONDUCTANCE	24.0
360	ASB	BKG	61886	SPECIFIC CONDUCTANCE	26.0
361	ASB	BKG	72286	SPECIFIC CONDUCTANCE	26.0
362	ASB	BKG	72386	SPECIFIC CONDUCTANCE	40.0
363	ASB	BKG	80487	SPECIFIC CONDUCTANCE	31.0
364	ASB	BKG	81388	SPECIFIC CONDUCTANCE	25.0
365	ASB	BKG	81488	SPECIFIC CONDUCTANCE	36.0
366	ASB	BKG	90687	SPECIFIC CONDUCTANCE	29.0
367	ASB	BKG	90887	SPECIFIC CONDUCTANCE	38.0
368	ASB	BKG	102888	SPECIFIC CONDUCTANCE	25.0
369	ASB	BKG	110286	SPECIFIC CONDUCTANCE	32.0
370	ASB	BKG	110386	SPECIFIC CONDUCTANCE	43.0
371	ASB	BKG	110888	SPECIFIC CONDUCTANCE	35.0
372	ASB	BKG	121787	SPECIFIC CONDUCTANCE	28.0
373	ASB	BKG	121987	SPECIFIC CONDUCTANCE	20.0
374	ASB	6A	12788	TETRACHLOROETHYLENE	2.0
375	ASB	6A	20387	TETRACHLOROETHYLENE	5.0
376	ASB	6A	32789	TETRACHLOROETHYLENE	5.0
377	ASB	6A	42687	TETRACHLOROETHYLENE	2.0
378	ASB	6A	70788	TETRACHLOROETHYLENE	0.5

I-Test Data for ASB 6A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
379	ASB	6A	80287	TETRACHLOROETHYLENE	2.00
380	ASB	6A	101188	TETRACHLOROETHYLENE	8.00
381	ASB	6A	101887	TETRACHLOROETHYLENE	2.00
382	ASB	6A	20387	TOTAL DISSOLVED SOLIDS	11000.00
383	ASB	6A	32789	TOTAL DISSOLVED SOLIDS	32000.00
384	ASB	6A	81484	TOTAL DISSOLVED SOLIDS	22000.00
385	ASB	6A	102284	TOTAL DISSOLVED SOLIDS	2500.00
386	ASB	BKG	12687	TOTAL DISSOLVED SOLIDS	22000.00
387	ASB	BKG	12987	TOTAL DISSOLVED SOLIDS	32000.00
388	ASB	BKG	20789	TOTAL DISSOLVED SOLIDS	2500.00
389	ASB	BKG	22488	TOTAL DISSOLVED SOLIDS	24000.00
390	ASB	BKG	31289	TOTAL DISSOLVED SOLIDS	23000.00
391	ASB	BKG	40687	TOTAL DISSOLVED SOLIDS	28400.00
392	ASB	BKG	51088	TOTAL DISSOLVED SOLIDS	40000.00
393	ASB	BKG	51188	TOTAL DISSOLVED SOLIDS	26000.00
394	ASB	BKG	80487	TOTAL DISSOLVED SOLIDS	64000.00
395	ASB	BKG	81388	TOTAL DISSOLVED SOLIDS	28000.00
396	ASB	BKG	81488	TOTAL DISSOLVED SOLIDS	31000.00
397	ASB	BKG	102888	TOTAL DISSOLVED SOLIDS	112000.00
398	ASB	BKG	110888	TOTAL DISSOLVED SOLIDS	59000.00
399	ASB	BKG	121787	TOTAL DISSOLVED SOLIDS	9000.00
400	ASB	BKG	121987	TOTAL DISSOLVED SOLIDS	52000.00
401	ASB	6A	12788	TOTAL ORGANIC HALOGENS	3.75
402	ASB	6A	20387	TOTAL ORGANIC HALOGENS	8.00
403	ASB	6A	21286	TOTAL ORGANIC HALOGENS	9.00
404	ASB	6A	22585	TOTAL ORGANIC HALOGENS	44.00
405	ASB	6A	32789	TOTAL ORGANIC HALOGENS	2.50
406	ASB	6A	42385	TOTAL ORGANIC HALOGENS	13.00
407	ASB	6A	70788	TOTAL ORGANIC HALOGENS	2.50
408	ASB	6A	80287	TOTAL ORGANIC HALOGENS	2.50
409	ASB	6A	80686	TOTAL ORGANIC HALOGENS	10.00
410	ASB	6A	82685	TOTAL ORGANIC HALOGENS	9.00
411	ASB	6A	101186	TOTAL ORGANIC HALOGENS	8.00
412	ASB	6A	102985	TOTAL ORGANIC HALOGENS	13.00
413	ASB	BKG	12687	TOTAL PHOSPHATES	30.00
414	ASB	BKG	12987	TOTAL PHOSPHATES	40.00
415	ASB	BKG	20789	TOTAL PHOSPHATES	10.00
416	ASB	BKG	31289	TOTAL PHOSPHATES	13.87
417	ASB	BKG	40687	TOTAL PHOSPHATES	10.00
418	ASB	BKG	51088	TOTAL PHOSPHATES	30.00
419	ASB	BKG	51188	TOTAL PHOSPHATES	40.00
420	ASB	BKG	61886	TOTAL PHOSPHATES	9.50
421	ASB	BKG	72286	TOTAL PHOSPHATES	39.00
422	ASB	BKG	72386	TOTAL PHOSPHATES	42.00
423	ASB	BKG	80487	TOTAL PHOSPHATES	15.00
424	ASB	BKG	81388	TOTAL PHOSPHATES	10.00
425	ASB	BKG	81488	TOTAL PHOSPHATES	10.00
426	ASB	BKG	102888	TOTAL PHOSPHATES	10.00
427	ASB	BKG	110288	TOTAL PHOSPHATES	39.50
428	ASB	BKG	110388	TOTAL PHOSPHATES	37.00
429	ASB	BKG	110888	TOTAL PHOSPHATES	60.00
430	ASB	BKG	121787	TOTAL PHOSPHATES	70.00
431	ASB	BKG	121987	TOTAL PHOSPHATES	100.00
432	ASB	6A	12788	TOTAL RADIUM	4.00

T-Test Data for ASB 6A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
433	ASB	6A	20387	TOTAL RADIUM	4.0000
434	ASB	6A	21286	TOTAL RADIUM	7.0000
435	ASB	6A	22585	TOTAL RADIUM	4.0000
436	ASB	6A	32789	TOTAL RADIUM	3.0000
437	ASB	6A	70788	TOTAL RADIUM	4.0000
438	ASB	6A	80287	TOTAL RADIUM	4.5000
439	ASB	6A	80686	TOTAL RADIUM	5.0000
440	ASB	6A	81484	TOTAL RADIUM	6.0000
441	ASB	6A	102284	TOTAL RADIUM	0.5000
442	ASB	BKG	12687	TOTAL RADIUM	7.0000
443	ASB	BKG	12987	TOTAL RADIUM	0.5000
444	ASB	BKG	20789	TOTAL RADIUM	1.0000
445	ASB	BKG	22488	TOTAL RADIUM	4.8333
446	ASB	BKG	31289	TOTAL RADIUM	12.0000
447	ASB	BKG	40687	TOTAL RADIUM	4.2500
448	ASB	BKG	51088	TOTAL RADIUM	6.0000
449	ASB	BKG	51188	TOTAL RADIUM	0.5000
450	ASB	BKG	61886	TOTAL RADIUM	4.5000
451	ASB	BKG	72286	TOTAL RADIUM	1.0000
452	ASB	BKG	72386	TOTAL RADIUM	9.0000
453	ASB	BKG	80487	TOTAL RADIUM	3.5000
454	ASB	BKG	81388	TOTAL RADIUM	1.0000
455	ASB	BKG	81488	TOTAL RADIUM	7.0000
456	ASB	BKG	102888	TOTAL RADIUM	0.5000
457	ASB	BKG	110286	TOTAL RADIUM	0.5000
458	ASB	BKG	110386	TOTAL RADIUM	7.5000
459	ASB	BKG	110888	TOTAL RADIUM	6.0000
460	ASB	BKG	121787	TOTAL RADIUM	6.0000
461	ASB	BKG	121987	TOTAL RADIUM	0.0000
462	ASB	6A	20387	TRITIUM	3.0000
463	ASB	6A	32789	TRITIUM	2.0000
464	ASB	6A	70788	TRITIUM	1.0000
465	ASB	BKG	40687	TURBIDITY	0.0000
466	ASB	BKG	61886	TURBIDITY	0.6667
467	ASB	BKG	80487	TURBIDITY	0.5000
468	ASB	BKG	121787	TURBIDITY	0.0000
469	ASB	BKG	121987	TURBIDITY	0.0000
470	ASB	6A	20387	ZINC	15.0000
471	ASB	6A	41886	ZINC	1.0000
472	ASB	6A	81484	ZINC	36.0000
473	ASB	6A	102284	ZINC	37.0000
474	ASB	BKG	12687	ZINC	7.0000
475	ASB	BKG	12987	ZINC	8.6667
476	ASB	BKG	20789	ZINC	17.0000
477	ASB	BKG	31289	ZINC	11.0000
478	ASB	BKG	51088	ZINC	6.0000
479	ASB	BKG	51188	ZINC	11.0000
480	ASB	BKG	61886	ZINC	9.7500
481	ASB	BKG	72286	ZINC	15.5000
482	ASB	BKG	72386	ZINC	2.0000
483	ASB	BKG	80487	ZINC	46.5000
484	ASB	BKG	81388	ZINC	49.0000
485	ASB	BKG	81488	ZINC	24.0000
486	ASB	BKG	102888	ZINC	44.0000

T-Test Data for ASB 6A

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OBS	SERIES	WELL	DATE	TESTNAME	VALUE
487	ASB	BKG	110286	ZINC	8.0000
488	ASB	BKG	110386	ZINC	11.3333
489	ASB	BKG	110886	ZINC	12.0000
490	ASB	BKG	121787	ZINC	54.0000
491	ASB	BKG	121987	ZINC	17.0000

Statistical Comparison Results

TTEST PROCEDURE

***** TESTNAME=BARIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	6	8.66666667	1.03279556	0.42183702	7.00000000	10.00000000
BKG	19	5.78070175	3.06365222	0.70285002	2.00000000	14.00000000

Variances	T	Method	DF	Prob> T
Unequal	3.5211	Satterthwaite	22.7	0.0019
		Cochran		0.0058
Equal	2.2388		23.0	0.0351

For H0: Variances are equal, F' = 8.80 DF = (18,5) Prob>F' = 0.0244

***** TESTNAME-CALCIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	3	1436.666667	196.2990915	113.3333333	1210.000000	1550.000000
BKG	4	694.958333	317.6024878	158.8012439	265.000000	983.500000

Variances	T	Method	DF	Prob> T
Unequal	3.8018	Satterthwaite	4.9	0.0131
		Cochran		0.0433
Equal	3.5241		5.0	0.0168

For H0: Variances are equal, F' = 2.62 DF = (3,2) Prob>F' = 0.5769

***** TESTNAME-CHLORIDE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	8	7170.000000	780.3298007	275.8881761	5800.000000	8060.000000
BKG	18	2553.148148	535.2422605	126.1578107	2000.000000	4166.666667

Variances	T	Method	DF	Prob> T
Unequal	15.2188	Satterthwaite	10.1	0.0001
		Cochran		0.0001
Equal	17.6136		24.0	0.0000

For H0: Variances are equal, F' = 2.13 DF = (7,17) Prob>F' = 0.1935

***** TESTNAME-COPPER *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	5	5.50000000	5.43139025	2.42899156	2.00000000	15.00000000
BKG	19	6.78947368	3.76871548	0.86460283	2.00000000	15.00000000

Variances	T	Method	DF	Prob> T
Unequal	-0.5001	Satterthwaite	5.1	0.6380
		Cochran		0.6411
Equal	-0.6225		22.0	0.5400

For H0: Variances are equal, F' = 2.08 DF = (4,18) Prob>F' = 0.2525

***** TESTNAME=GROSS ALPHA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	10	7.900000000	5.45078995	1.72369113	1.000000000	19.000000000
BKG	14	7.35714286	7.53562965	2.01398174	1.000000000	23.750000000

Variances	T	Method	DF	Prob> T
Unequal	0.2048	Satterthwaite	22.0	0.8396
		Cochran		0.8415
Equal	0.1939		22.0	0.8480

For H0: Variances are equal, F' = 1.91 DF = (13,9) Prob>F' = 0.3334

***** TESTNAME=IRON *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	9	62.55555556	38.06856023	12.68952008	2.000000000	117.000000000
BKG	10	36.350000000	15.21420105	4.81115281	19.500000000	76.500000000

Variances	T	Method	DF	Prob> T
Unequal	1.9310	Satterthwaite	10.3	0.0816
		Cochran		0.0891
Equal	2.0108		17.0	0.0605

For H0: Variances are equal, F' = 6.26 DF = (8,9) Prob>F' = 0.0126

***** TESTNAME=LEAD *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	13	11.46153846	8.19924168	2.27406048	2.000000000	36.000000000
BKG	20	12.48333333	7.15919643	1.60084499	3.000000000	28.33333333

Variances	T	Method	DF	Prob> T
Unequal	-0.3674	Satterthwaite	23.2	0.7166
		Cochran		0.7189
Equal	-0.3784		31.0	0.7077

For H0: Variances are equal, F' = 1.31 DF = (12,19) Prob>F' = 0.5783

***** TESTNAME=MANGANESE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	10	34.600000000	11.42560477	3.61309347	9.000000000	48.000000000
BKG	14	12.05952381	7.11703360	1.90210724	3.000000000	24.500000000

Variances	T	Method	DF	Prob> T
Unequal	5.5203	Satterthwaite	13.9	0.0001
		Cochran		0.0003
Equal	5.9636		22.0	0.0000

For H0: Variances are equal, F' = 2.58 DF = (9,13) Prob>F' = 0.1183

***** TESTNAME=NITRATE AS NITROGEN *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	6	512.000000	299.8132752	122.3982571	250.0000000	1000.000000
BKG	20	1647.566667	538.2189613	120.3494184	880.0000000	3040.000000

Variances	T	Method	DF	Prob> T
Unequal	-6.6154	Satterthwaite	15.5	0.0001
		Cochran	.	0.0003
Equal	-4.8983		24.0	0.0001

For H0: Variances are equal, F' = 3.22 DF = (19,5) Prob>F' = 0.1987

***** TESTNAME=NONVOLATILE BETA *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	8	6.37500000	3.47182537	1.22747563	1.50000000	11.00000000
BKG	14	5.06547619	4.36284068	1.16601822	1.00000000	14.25000000

Variances	T	Method	DF	Prob> T
Unequal	0.7735	Satterthwaite	17.6	0.4495
		Cochran	.	0.4592
Equal	0.7254		20.0	0.4766

For H0: Variances are equal, F' = 1.58 DF = (13,7) Prob>F' = 0.5571

***** TESTNAME=PH *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	21	4.85714286	0.85465367	0.14285714	4.00000000	6.00000000
BKG	22	4.65909091	0.47274184	0.10078890	4.00000000	5.00000000

Variances	T	Method	DF	Prob> T
Unequal	1.1328	Satterthwaite	36.3	0.2647
		Cochran	.	0.2705
Equal	1.1413		41.0	0.2604

For H0: Variances are equal, F' = 1.92 DF = (20,21) Prob>F' = 0.1469

***** TESTNAME=SODIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	13	4174.307692	1102.993834	305.9154480	2680.000000	6900.000000
BKG	20	2889.750000	939.937673	210.1764531	1830.000000	4475.000000

Variances	T	Method	DF	Prob> T
Unequal	3.9998	Satterthwaite	22.8	0.0006
		Cochran	.	0.0014
Equal	4.1414		31.0	0.0002

For H0: Variances are equal, F' = 1.38 DF = (12,19) Prob>F' = 0.5162

***** TESTNAME=SPECIFIC CONDUCTANCE *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	21	47.09523810	6.96351034	1.51956253	37.00000000	62.00000000
BKG	22	30.34090909	6.32340016	1.34815344	19.00000000	43.00000000

Variances	T	Method	DF	Prob> T
Unequal	8.2477	Satterthwaite	40.2	0.0001
		Cochran	.	0.0001
Equal	8.2666		41.0	0.0000

For H0: Variances are equal, F' = 1.21 DF = (20,21) Prob>F' = 0.6637

***** TESTNAME-TOTAL DISSOLVED SOLIDS *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	4	16875.00000	12860.83114	6430.315570	2500.000000	32000.0000
BKG	15	36860.00000	26689.90713	6891.304390	2500.000000	112000.0000

Variances	T	Method	DF	Prob> T
Unequal	-2.1203	Satterthwaite	10.8	0.0580
		Cochran	.	0.0904
Equal	-1.4311		17.0	0.1705

For H0: Variances are equal, F' = 4.31 DF = (14,3) Prob>F' = 0.2551

***** TESTNAME-TOTAL RADIUM *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	10	4.20000000	1.73525534	0.54873592	0.50000000	7.00000000
BKG	20	4.12916567	3.43480798	0.76806877	0.00000000	12.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.0750	Satterthwaite	28.0	0.9407
		Cochran	.	0.9413
Equal	0.0611		28.0	0.9518

For H0: Variances are equal, F' = 3.92 DF = (19,9) Prob>F' = 0.0408

***** TESTNAME-ZINC *****

Variable: VALUE

WELL	N	Mean	Std Dev	Std Error	Minimum	Maximum
6A	4	22.25000000	17.42384294	8.71182147	1.00000000	37.00000000
BKG	18	19.65277778	16.61846584	3.91700896	2.00000000	54.00000000

Variances	T	Method	DF	Prob> T
Unequal	0.2719	Satterthwaite	4.3	0.7984
		Cochran	.	0.8011
Equal	0.2806		20.0	0.7819

For H0: Variances are equal, F' = 1.10 DF = (3,17) Prob>F' = 0.7531

Background
Groundwater Monitoring Data

Raw Data

Raw Background Data

ASB BKG 061886 SILVER	LT	2.0000	UGL	EE
ASB BKG 061886 SILVER	LT	2.0000	UGL	EE
ASB BKG 061886 ALUMINUM		40.0000	UGL	EE
ASB BKG 061886 ALUMINUM		30.0000	UGL	EE
ASB BKG 061886 GROSS ALPHA		10.1000	PCL	RM
ASB BKG 061886 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 061886 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 061886 BARIUM	LT	4.0000	UGL	EE
ASB BKG 061886 BARIUM	LT	4.0000	UGL	EE
ASB BKG 061886 NONVOLATILE BETA		7.0000	PCL	RM
ASB BKG 061886 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 061886 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 061886 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 061886 CADMIUM	LT	1.0000	UGL	EE
ASB BKG 061886 CADMIUM	LT	1.0000	UGL	EE
ASB BKG 061886 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 061886 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 061886 METHYLENE CHLORIDE	LT	5.0000	UGL	EE
ASB BKG 061886 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 061886 CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 061886 CHLORIDE		4500.0000	UGL	EE
ASB BKG 061886 CHLOROENZENE	LT	5.0000	UGL	EE
ASB BKG 061886 SPECIFIC CONDUCTANCE		30.0000	UMHC	FD
ASB BKG 061886 SPECIFIC CONDUCTANCE		30.0000	UMHC	FD
ASB BKG 061886 SPECIFIC CONDUCTANCE		34.2000	UMHC	EE
ASB BKG 061886 SPECIFIC CONDUCTANCE		33.4000	UMHC	EE
ASB BKG 061886 SPECIFIC CONDUCTANCE		38.2000	UMHC	EE
ASB BKG 061886 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 061886 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 061886 COPPER		7.0000	UGL	EE
ASB BKG 061886 COPPER		8.0000	UGL	EE
ASB BKG 061886 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 061886 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 061886 CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 061886 CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 061886 BENZENE	LT	5.0000	UGL	EE
ASB BKG 061886 DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 061886 ENDRIN	LT	0.0400	UGL	EE
ASB BKG 061886 ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 061886 FLUORIDE		180.0000	UGL	EE
ASB BKG 061886 IRON		75.0000	UGL	EE
ASB BKG 061886 IRON		45.0000	UGL	EE
ASB BKG 061886 MERCURY	LT	0.2000	UGL	EE
ASB BKG 061886 MERCURY	LT	0.2000	UGL	EE
ASB BKG 061886 LINDANE	LT	1.0000	UGL	EE
ASB BKG 061886 TOLUENE-D8		44.0000	UGL	EE
ASB BKG 061886 TOLUENE	LT	5.0000	UGL	EE
ASB BKG 061886 METHOXYCHLOR	LT	20.0000	UGL	EE
ASB BKG 061886 MANGANESE		5.0000	UGL	EE
ASB BKG 061886 MANGANESE		5.0000	UGL	EE
ASB BKG 061886 SODIUM		3690.0000	UGL	EE
ASB BKG 061886 SODIUM		3580.0000	UGL	EE
ASB BKG 061886 NICKEL	LT	4.0000	UGL	EE
ASB BKG 061886 NICKEL	LT	4.0000	UGL	EE
ASB BKG 061886 NITRATE AS NITROGEN		2200.0000	UGL	EE
ASB BKG 061886 NITRATE AS NITROGEN		2200.0000	UGL	EE
ASB BKG 061886 LEAD		34.0000	UGL	EE
ASB BKG 061886 LEAD		30.0000	UGL	EE
ASB BKG 061886 P-BROMOFLUOROBENZENE		50.0000	UGL	EE
ASB BKG 061886 PH		5.2000	PH	FD
ASB BKG 061886 PH		5.2000	PH	FD
ASB BKG 061886 PH		4.5300	PH	EE
ASB BKG 061886 PH		4.6000	PH	EE
ASB BKG 061886 PH		4.5700	PH	EE

Raw Background Data

ASB BKG 061886 PHENOLS	LT	2.0000	UGL	EE
ASB BKG 061886 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 061886 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 061886 SILVEX	LT	2.0000	UGL	EE
ASB BKG 061886 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 061886 1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 061886 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 061886 TOTAL COLIFORM	LT	1.0000		EC
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 061886 TOTAL RADIUM		8.5000	PCL	RM
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 061886 TOTAL PHOSPHATES		14.0000	UGL	EE
ASB BKG 061886 TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 061886 TURBIDITY		0.7000	TU	EE
ASB BKG 061886 TURBIDITY		0.6500	TU	EE
ASB BKG 061886 TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 061886 TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 061886 URANIUM	LT	100.0000	UGL	EE
ASB BKG 061886 URANIUM	LT	100.0000	UGL	EE
ASB BKG 061886 1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 061886 1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 061886 1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 061886 1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 061886 1,2-DICHLOROETHANE-D4		48.0000	UGL	EE
ASB BKG 061886 1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 061886 1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 061886 CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 061886 TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 061886 2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 061886 2,4-DICHLOROPHENOXACETIC ACID	LT	20.0000	UGL	EE
ASB BKG 061886 ZINC		10.0000	UGL	EE
ASB BKG 061886 ZINC		11.0000	UGL	EE
ASB BKG 072386 SILVER	LT	2.0000	UGL	EE
ASB BKG 072386 SILVER	LT	2.0000	UGL	EE
ASB BKG 072386 SILVER	LT	2.0000	UGL	EE
ASB BKG 072386 ALUMINUM		40.0000	UGL	EE
ASB BKG 072386 ALUMINUM		48.0000	UGL	EE
ASB BKG 072386 ALUMINUM		47.0000	UGL	EE
ASB BKG 072386 GROSS ALPHA		6.8000	PCL	RM
ASB BKG 072386 BARIUM		7.0000	UGL	EE
ASB BKG 072386 BARIUM		7.0000	UGL	EE
ASB BKG 072386 BARIUM		7.0000	UGL	EE
ASB BKG 072386 NONVOLATILE BETA		4.3000	PCL	RM
ASB BKG 072386 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 072386 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 072386 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 072386 CADMIUM	LT	1.0000	UGL	EE
ASB BKG 072386 CADMIUM	LT	1.0000	UGL	EE
ASB BKG 072386 CADMIUM	LT	1.0000	UGL	EE
ASB BKG 072386 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 072386 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 072386 METHYLENE CHLORIDE		3.0000	UGL	EE
ASB BKG 072386 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 072386 CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 072386 CHLORIDE		2270.0000	UGL	EE
ASB BKG 072386 CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 072386 SPECIFIC CONDUCTANCE		40.0000	UMEC	FD
ASB BKG 072386 SPECIFIC CONDUCTANCE		40.0000	UMEC	FD

Raw Background Data

ASB BKG 072386	SPECIFIC CONDUCTANCE		35.4100	UMHC	EE
ASB BKG 072386	SPECIFIC CONDUCTANCE		34.7200	UMHC	EE
ASB BKG 072386	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 072386	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 072386	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 072386	COPPER		5.0000	UGL	EE
ASB BKG 072386	COPPER	LT	4.0000	UGL	EE
ASB BKG 072386	COPPER	LT	4.0000	UGL	EE
ASB BKG 072386	CYANIDE	LT	5.0000	UGL	EE
ASB BKG 072386	CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 072386	CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 072386	BENZENE	LT	5.0000	UGL	EE
ASB BKG 072386	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 072386	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 072386	FLUORIDE	LT	100.0000	UGL	EE
ASB BKG 072386	IRON		22.0000	UGL	EE
ASB BKG 072386	IRON		39.0000	UGL	EE
ASB BKG 072386	IRON		33.0000	UGL	EE
ASB BKG 072386	MERCURY	LT	0.2000	UGL	EE
ASB BKG 072386	MERCURY	LT	0.2000	UGL	EE
ASB BKG 072386	TOLUENE-D8		50.0000	UGL	EE
ASB BKG 072386	TOLUENE	LT	5.0000	UGL	EE
ASB BKG 072386	MANGANESE		5.0000	UGL	EE
ASB BKG 072386	MANGANESE		5.0000	UGL	EE
ASB BKG 072386	MANGANESE		5.0000	UGL	EE
ASB BKG 072386	SODIUM		4310.0000	UGL	EE
ASB BKG 072386	SODIUM		4360.0000	UGL	EE
ASB BKG 072386	SODIUM		4320.0000	UGL	EE
ASB BKG 072386	NICKEL	LT	4.0000	UGL	EE
ASB BKG 072386	NICKEL	LT	4.0000	UGL	EE
ASB BKG 072386	NICKEL	LT	4.0000	UGL	EE
ASB BKG 072386	NITRATE AS NITROGEN		2070.0000	UGL	EE
ASB BKG 072386	LEAD		22.0000	UGL	EE
ASB BKG 072386	LEAD		32.0000	UGL	EE
ASB BKG 072386	LEAD		31.0000	UGL	EE
ASB BKG 072386	P-BROMOFLUOROBENZENE		56.0000	UGL	EE
ASB BKG 072386	PH		4.7000	PH	FD
ASB BKG 072386	PH		4.7000	PH	FD
ASB BKG 072386	PH		4.7800	PH	EE
ASB BKG 072386	PH		4.8100	PH	EE
ASB BKG 072386	PHENOLS	LT	2.0000	UGL	EE
ASB BKG 072386	SULFATE	LT	5000.0000	UGL	EE
ASB BKG 072386	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 072386	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 072386	TOTAL RADIUM		8.8000	PCL	RM
ASB BKG 072386	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 072386	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 072386	TOTAL PHOSPHATES		39.0000	UGL	EE
ASB BKG 072386	TOTAL PHOSPHATES		45.0000	UGL	EE
ASB BKG 072386	TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 072386	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 072386	URANIUM	LT	50.0000	UGL	EE
ASB BKG 072386	URANIUM	LT	50.0000	UGL	EE
ASB BKG 072386	URANIUM	LT	50.0000	UGL	EE
ASB BKG 072386	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 072386	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 072386	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 072386	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE

Raw Background Data

ASB BKG 072386 1,2-DICHLOROETHANE-D4		46.0000 UGL	EE
ASB BKG 072386 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 072386 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB BKG 072386 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 072386 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 072386 2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB BKG 072386 ZINC		3.0000 UGL	EE
ASB BKG 072386 ZINC	LT	2.0000 UGL	EE
ASB BKG 072386 ZINC		2.0000 UGL	EE
ASB BKG 110386 SILVER	LT	2.0000 UGL	EE
ASB BKG 110386 SILVER	LT	2.0000 UGL	EE
ASB BKG 110386 SILVER	LT	2.0000 UGL	EE
ASB BKG 110386 ALUMINUM		32.0000 UGL	EE
ASB BKG 110386 ALUMINUM		41.0000 UGL	EE
ASB BKG 110386 ALUMINUM		40.0000 UGL	EE
ASB BKG 110386 GROSS ALPHA		5.7000 PCL	RM
ASB BKG 110386 GROSS ALPHA		8.5000 PCL	RM
ASB BKG 110386 BARIUM		7.0000 UGL	EE
ASB BKG 110386 BARIUM		7.0000 UGL	EE
ASB BKG 110386 BARIUM		7.0000 UGL	EE
ASB BKG 110386 BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 110386 BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 110386 BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 110386 NONVOLATILE BETA		4.8000 PCL	RM
ASB BKG 110386 NONVOLATILE BETA		6.1000 PCL	RM
ASB BKG 110386 BROMODICHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 110386 CALCIUM		986.0000 UGL	EE
ASB BKG 110386 CALCIUM		324.0000 UGL	EE
ASB BKG 110386 TRICHLOROFLUOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 110386 CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB BKG 110386 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 110386 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 110386 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 110386 BROMOFORM	LT	10.0000 UGL	EE
ASB BKG 110386 CHLOROFORM	LT	5.0000 UGL	EE
ASB BKG 110386 BROMOMETHANE	LT	10.0000 UGL	EE
ASB BKG 110386 CHLOROMETHANE	LT	10.0000 UGL	EE
ASB BKG 110386 CHLORIDE		2800.0000 UGL	EE
ASB BKG 110386 CHLOROBENZENE	LT	5.0000 UGL	EE
ASB BKG 110386 SPECIFIC CONDUCTANCE		43.0000 UMEC	FD
ASB BKG 110386 SPECIFIC CONDUCTANCE		43.0000 UMEC	FD
ASB BKG 110386 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 110386 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 110386 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 110386 COPPER		12.0000 UGL	EE
ASB BKG 110386 COPPER		8.0000 UGL	EE
ASB BKG 110386 COPPER		7.0000 UGL	EE
ASB BKG 110386 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 110386 CHLOROETHENE	LT	10.0000 UGL	EE
ASB BKG 110386 CHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 110386 BENZENE	LT	5.0000 UGL	EE
ASB BKG 110386 DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 110386 ETHYLBENZENE	LT	5.0000 UGL	EE
ASB BKG 110386 FLUORIDE	LT	100.0000 UGL	EE
ASB BKG 110386 IRON		33.0000 UGL	EE
ASB BKG 110386 IRON		24.0000 UGL	EE
ASB BKG 110386 IRON		26.0000 UGL	EE
ASB BKG 110386 MERCURY	LT	0.2000 UGL	EE
ASB BKG 110386 MERCURY	LT	0.2000 UGL	EE
ASB BKG 110386 TOLUENE-D8		101.8000 PER	EE
ASB BKG 110386 TOLUENE	LT	5.0000 UGL	EE
ASB BKG 110386 MAGNESIUM		430.0000 UGL	EE
ASB BKG 110386 MAGNESIUM		440.0000 UGL	EE
ASB BKG 110386 MAGNESIUM		460.0000 UGL	EE

Raw Background Data

ASB BKG 110386 MANGANESE		4.0000 UGL	EE
ASB BKG 110386 MANGANESE		7.0000 UGL	EE
ASB BKG 110386 MANGANESE		4.0000 UGL	EE
ASB BKG 110386 SODIUM		3910.0000 UGL	EE
ASB BKG 110386 SODIUM		3880.0000 UGL	EE
ASB BKG 110386 SODIUM		3850.0000 UGL	EE
ASB BKG 110386 NICKEL	LT	4.0000 UGL	EE
ASB BKG 110386 NICKEL	LT	4.0000 UGL	EE
ASB BKG 110386 NICKEL	LT	4.0000 UGL	EE
ASB BKG 110386 NITRATE AS NITROGEN		2140.0000 UGL	EE
ASB BKG 110386 LEAD		17.0000 UGL	EE
ASB BKG 110386 LEAD		17.0000 UGL	EE
ASB BKG 110386 LEAD		19.0000 UGL	EE
ASB BKG 110386 PH		3.7000 PH	FD
ASB BKG 110386 PH		3.7000 PH	FD
ASB BKG 110386 PHENOLS	LT	2.0000 UGL	EE
ASB BKG 110386 ANTIMONY	LT	3.0000 UGL	EE
ASB BKG 110386 ANTIMONY	LT	3.0000 UGL	EE
ASB BKG 110386 SULFATE	LT	3000.0000 UGL	EE
ASB BKG 110386 1,1,2,2-TETRACHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 110386 TETRACHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 110386 TOTAL ORGANIC CARBON		1200.0000 UGL	EE
ASB BKG 110386 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 110386 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 110386 TOTAL RADIUM		8.3000 PCL	RM
ASB BKG 110386 TOTAL RADIUM		7.3000 PCL	RM
ASB BKG 110386 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 110386 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 110386 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 110386 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 110386 TOTAL PHOSPHATES		37.0000 UGL	EE
ASB BKG 110386 TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 110386 TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB BKG 110386 1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 110386 1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 110386 1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 110386 1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 110386 1,2-DICHLOROETHANE-D4		105.4000 PER	EE
ASB BKG 110386 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 110386 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB BKG 110386 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 110386 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 110386 2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB BKG 110386 ZINC		14.0000 UGL	EE
ASB BKG 110386 ZINC		6.0000 UGL	EE
ASB BKG 110386 ZINC		14.0000 UGL	EE
ASB BKG 012687 SILVER	LT	2.0000 UGL	EE
ASB BKG 012687 SILVER	LT	2.0000 UGL	EE
ASB BKG 012687 ALUMINUM		47.0000 UGL	EE
ASB BKG 012687 ALUMINUM		39.0000 UGL	EE
ASB BKG 012687 GROSS ALPHA		6.6000 PCL	RM
ASB BKG 012687 ARSENIC	LT	2.0000 UGL	EE
ASB BKG 012687 ARSENIC	LT	2.0000 UGL	EE
ASB BKG 012687 BARIUM		7.0000 UGL	EE
ASB BKG 012687 BARIUM		8.0000 UGL	EE
ASB BKG 012687 BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 012687 BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 012687 NONVOLATILE BETA		5.4000 PCL	RM
ASB BKG 012687 CALCIUM		290.0000 UGL	EE
ASB BKG 012687 CALCIUM		240.0000 UGL	EE
ASB BKG 012687 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 012687 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 012687 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 012687 CHLOROPFORM	LT	1.0000 UGL	EE

Raw Background Data

ASB BKG 012687 CHLORIDE		2500.0000 UGL	EE
ASB BKG 012687 SPECIFIC CONDUCTANCE		19.0000 UMHC	FD
ASB BKG 012687 SPECIFIC CONDUCTANCE		19.0000 UMHC	FD
ASB BKG 012687 SPECIFIC CONDUCTANCE		36.5000 UMHC	EE
ASB BKG 012687 SPECIFIC CONDUCTANCE		39.4000 UMHC	EE
ASB BKG 012687 SPECIFIC CONDUCTANCE		36.9000 UMHC	EE
ASB BKG 012687 SPECIFIC CONDUCTANCE		35.5000 UMHC	EE
ASB BKG 012687 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 012687 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 012687 COPPER		7.0000 UGL	EE
ASB BKG 012687 COPPER	LT	4.0000 UGL	EE
ASB BKG 012687 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 012687 ENDRIN	LT	0.1000 UGL	EE
ASB BKG 012687 FLUORIDE	LT	100.0000 UGL	EE
ASB BKG 012687 FLUORIDE	LT	100.0000 UGL	EE
ASB BKG 012687 IRON		19.0000 UGL	EE
ASB BKG 012687 IRON		20.0000 UGL	EE
ASB BKG 012687 MERCURY	LT	0.2000 UGL	EE
ASB BKG 012687 MERCURY	LT	0.2000 UGL	EE
ASB BKG 012687 MERCURY	LT	0.2000 UGL	EE
ASB BKG 012687 POTASSIUM		370.0000 UGL	EE
ASB BKG 012687 POTASSIUM		449.0000 UGL	EE
ASB BKG 012687 LINDANE	LT	0.0500 UGL	EE
ASB BKG 012687 METHOXYCHLOR	LT	0.5000 UGL	EE
ASB BKG 012687 MAGNESIUM		442.0000 UGL	EE
ASB BKG 012687 MAGNESIUM		428.0000 UGL	EE
ASB BKG 012687 MANGANESE		4.0000 UGL	EE
ASB BKG 012687 MANGANESE		3.0000 UGL	EE
ASB BKG 012687 SODIUM		4590.0000 UGL	EE
ASB BKG 012687 SODIUM		4360.0000 UGL	EE
ASB BKG 012687 NICKEL	LT	4.0000 UGL	EE
ASB BKG 012687 NICKEL	LT	4.0000 UGL	EE
ASB BKG 012687 NITRATE AS NITROGEN		2180.0000 UGL	EE
ASB BKG 012687 LEAD		11.0000 UGL	EE
ASB BKG 012687 LEAD		12.0000 UGL	EE
ASB BKG 012687 PH		5.0000 PH	FD
ASB BKG 012687 PH		5.0000 PH	FD
ASB BKG 012687 PH		4.3100 PH	EE
ASB BKG 012687 PH		4.4200 PH	EE
ASB BKG 012687 PH		4.6000 PH	EE
ASB BKG 012687 PH		4.6500 PH	EE
ASB BKG 012687 PHENOLS	LT	2.0000 UGL	EE
ASB BKG 012687 ANTIMONY	LT	3.0000 UGL	EE
ASB BKG 012687 ANTIMONY	LT	3.0000 UGL	EE
ASB BKG 012687 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 012687 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 012687 SILICA		3320.0000 UGL	EE
ASB BKG 012687 SILVEX	LT	2.0000 UGL	EE
ASB BKG 012687 SULFATE		3000.0000 UGL	EE
ASB BKG 012687 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 012687 TOTAL DISSOLVED SOLIDS		22000.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC CARBON		2000.0000 UGL	EE
ASB BKG 012687 TOTAL RADIUM		6.9000 PCL	RM
ASB BKG 012687 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012687 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012687 TOTAL PHOSPHATES		30.0000 UGL	EE
ASB BKG 012687 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 012687 TRITIUM		1.4000 PCL	RM

Raw Background Data

ASB BKG 012687 TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 012687 URANIUM	LT	100.0000	UGL	EE
ASB BKG 012687 URANIUM	LT	100.0000	UGL	EE
ASB BKG 012687 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 012687 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000	UGL	EE
ASB BKG 012687 ZINC		12.0000	UGL	EE
ASB BKG 012687 ZINC		2.0000	UGL	EE
ASB BKG 040687 ALUMINUM		42.0000	UGL	EE
ASB BKG 040687 GROSS ALPHA		9.0000	PCL	RM
ASB BKG 040687 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 040687 NONVOLATILE BETA		7.1000	PCL	RM
ASB BKG 040687 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 040687 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 040687 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 040687 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 040687 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 040687 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 040687 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 040687 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 040687 CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 040687 CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 040687 SPECIFIC CONDUCTANCE		38.0000	UMBC	FD
ASB BKG 040687 SPECIFIC CONDUCTANCE		34.3000	UMBC	EE
ASB BKG 040687 SPECIFIC CONDUCTANCE		34.4000	UMBC	EE
ASB BKG 040687 SPECIFIC CONDUCTANCE		34.9000	UMBC	EE
ASB BKG 040687 CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 040687 CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 040687 BENZENE	LT	5.0000	UGL	EE
ASB BKG 040687 DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 040687 ENDRIIN	LT	0.1000	UGL	EE
ASB BKG 040687 ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 040687 FECAL COLIFORM	LT	2.0000		DA
ASB BKG 040687 LINDANE	LT	0.0500	UGL	EE
ASB BKG 040687 TOLUENE-D8		109.0000	PER	EE
ASB BKG 040687 TOLUENE	LT	5.0000	UGL	EE
ASB BKG 040687 METHOXYCHLOR	LT	0.5000	UGL	EE
ASB BKG 040687 SODIUM		3930.0000	UGL	EE
ASB BKG 040687 NICKEL	LT	4.0000	UGL	EE
ASB BKG 040687 NITRATE AS NITROGEN		2180.0000	UGL	EE
ASB BKG 040687 LEAD		10.0000	UGL	EE
ASB BKG 040687 P-BROMOFLUOROBENZENE		97.0000	PER	EE
ASB BKG 040687 PH		4.4000	PH	FD
ASB BKG 040687 PH		4.8000	PH	EE
ASB BKG 040687 PH		4.8700	PH	EE
ASB BKG 040687 PH		4.8100	PH	EE
ASB BKG 040687 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 040687 SILVEX	LT	0.0900	UGL	EE
ASB BKG 040687 SILVEX	LT	0.0900	UGL	EE
ASB BKG 040687 1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 040687 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 040687 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		32000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		36000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		42000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		38000.0000	UGL	EE
ASB BKG 040687 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 040687 TOTAL RADIUM		8.1000	PCL	RM
ASB BKG 040687 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 040687 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 040687 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 040687 TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE

Raw Background Data

ASB BKG 040687	TURBIDITY		0.1100	TU	EE
ASB BKG 040687	TURBIDITY		0.1100	TU	EE
ASB BKG 040687	TURBIDITY		0.1200	TU	EE
ASB BKG 040687	TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 040687	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 040687	URANIUM	LT	100.0000	UGL	EE
ASB BKG 040687	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 040687	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 040687	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 040687	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 040687	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 040687	1,2-DICHLOROETHANE-D4		98.0000	PER	EE
ASB BKG 040687	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 040687	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 040687	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 040687	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 040687	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 040687	2,4-DICHLOROPHENOXYACETIC ACID	LT	0.3000	UGL	EE
ASB BKG 040687	2,4-DICHLOROPHENOXYACETIC ACID	LT	0.3000	UGL	EE
ASB BKG 080487	ALUMINUM		58.0000	UGL	EE
ASB BKG 080487	GROSS ALPHA		5.7000	PCL	RM
ASB BKG 080487	ARSENIC	LT	2.0000	UGL	EE
ASB BKG 080487	BARIUM		8.0000	UGL	EE
ASB BKG 080487	NONVOLATILE BETA		4.6000	PCL	RM
ASB BKG 080487	BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 080487	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 080487	BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 080487	CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 080487	CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 080487	BROMOMETHANE	LT	-10.0000	UGL	EE
ASB BKG 080487	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 080487	CHLORIDE		2900.0000	UGL	EE
ASB BKG 080487	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 080487	SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB BKG 080487	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 080487	COPPER		9.0000	UGL	EE
ASB BKG 080487	CYANIDE	LT	5.0000	UGL	EE
ASB BKG 080487	CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 080487	CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 080487	BENZENE	LT	5.0000	UGL	EE
ASB BKG 080487	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	ENDRIN	LT	0.1000	UGL	EE
ASB BKG 080487	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 080487	IRON		121.0000	UGL	EE
ASB BKG 080487	FECAL COLIFORM	LT	2.0000		DA
ASB BKG 080487	LINDANE	LT	0.0500	UGL	EE
ASB BKG 080487	TOLUENE-D8		98.0000	PER	EE
ASB BKG 080487	TOLUENE	LT	5.0000	UGL	EE
ASB BKG 080487	METHOXYCHLOR	LT	0.5000	UGL	EE
ASB BKG 080487	MANGANESE		4.0000	UGL	EE
ASB BKG 080487	SODIUM		3440.0000	UGL	EE
ASB BKG 080487	NICKEL	LT	4.0000	UGL	EE
ASB BKG 080487	NITRATE AS NITROGEN		2040.0000	UGL	EE
ASB BKG 080487	LEAD		11.0000	UGL	EE
ASB BKG 080487	P-BROMOFLUOROBENZENE		98.0000	PER	EE
ASB BKG 080487	PH		4.6000	PH	FD
ASB BKG 080487	PHENOLS	LT	5.0000	UGL	EE
ASB BKG 080487	SELENIUM	LT	2.0000	UGL	EE
ASB BKG 080487	SILVEX	LT	0.0900	UGL	EE
ASB BKG 080487	SULFATE	LT	5000.0000	UGL	EE
ASB BKG 080487	SULFATE	LT	5000.0000	UGL	EE
ASB BKG 080487	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE

Raw Background Data

ASB BKG 080487 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 080487 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 080487 TOTAL DISSOLVED SOLIDS		72000.0000	UGL	EE
ASB BKG 080487 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 080487 TOTAL RADIUM		5.9000	PCL	RM
ASB BKG 080487 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 080487 TOTAL PHOSPHATES		20.0000	UGL	EE
ASB BKG 080487 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 080487 TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 080487 TURBIDITY		0.2000	TU	EE
ASB BKG 080487 TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 080487 TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 080487 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 080487 1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 080487 1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 080487 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 080487 1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 080487 1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 080487 1,2-DICHLOROETHANE-D4		97.0000	PER	EE
ASB BKG 080487 1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 080487 1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 080487 CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 080487 TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 080487 2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 080487 2,4-DICHLOROPHENOXYACETIC ACID	LT	0.3000	UGL	EE
ASB BKG 080487 ZINC		7.0000	UGL	EE
ASB BKG 090887 SPECIFIC CONDUCTANCE		38.0000	UMHC	FD
ASB BKG 090887 SPECIFIC CONDUCTANCE		31.4000	UMHC	EE
ASB BKG 090887 SPECIFIC CONDUCTANCE		34.6000	UMHC	EE
ASB BKG 090887 SPECIFIC CONDUCTANCE		33.0000	UMHC	EE
ASB BKG 090887 PH		4.5000	PH	FD
ASB BKG 090887 PH		4.8400	PH	EE
ASB BKG 090887 PH		4.7300	PH	EE
ASB BKG 090887 PH		4.7700	PH	EE
ASB BKG 090887 TOTAL ORGANIC CARBON		1000.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC CARBON		2000.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC CARBON		1000.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 090887 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121787 ALUMINUM		74.0000	UGL	EE
ASB BKG 121787 GROSS ALPHA		21.7000	PCL	EE
ASB BKG 121787 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 121787 BARIUM		14.0000	UGL	EE
ASB BKG 121787 NONVOLATILE BETA		13.7000	PCL	EE
ASB BKG 121787 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 121787 CARBON TETRACHLORIDE		121.0000	PER	EE
ASB BKG 121787 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 121787 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 121787 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 121787 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 121787 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 121787 CHLOROFORM		98.0000	PER	EE
ASB BKG 121787 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 121787 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 121787 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 CHLOROMETHANE	LT	10.0000	UGL	EE

Raw Background Data

ASB BKG 121787 CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 121787 CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 121787 SPECIFIC CONDUCTANCE		28.0000	UMHC	FD
ASB BKG 121787 SPECIFIC CONDUCTANCE		35.5000	UMHC	EE
ASB BKG 121787 SPECIFIC CONDUCTANCE		35.9000	UMHC	EE
ASB BKG 121787 SPECIFIC CONDUCTANCE		33.9000	UMHC	EE
ASB BKG 121787 CHROMIUM		6.0000	UGL	EE
ASB BKG 121787 COPPER		15.0000	UGL	EE
ASB BKG 121787 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 121787 CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 121787 CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 121787 CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 BENZENE	LT	5.0000	UGL	EE
ASB BKG 121787 BENZENE	LT	5.0000	UGL	EE
ASB BKG 121787 DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 ENDRIN	LT	0.1000	UGL	EE
ASB BKG 121787 ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 121787 ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 121787 IRON		33.0000	UGL	EE
ASB BKG 121787 LINDANE	LT	0.0500	UGL	EE
ASB BKG 121787 TOLUENE-D8		101.0000	PER	EE
ASB BKG 121787 TOLUENE-D8		99.0000	PER	EE
ASB BKG 121787 TOLUENE	LT	5.0000	UGL	EE
ASB BKG 121787 TOLUENE	LT	5.0000	UGL	EE
ASB BKG 121787 METHOXYCHLOR	LT	0.5000	UGL	EE
ASB BKG 121787 MANGANESE		14.0000	UGL	EE
ASB BKG 121787 SODIUM		3460.0000	UGL	EE
ASB BKG 121787 NICKEL		12.0000	UGL	EE
ASB BKG 121787 NITRATE AS NITROGEN		3040.0000	UGL	EE
ASB BKG 121787 LEAD		8.0000	UGL	EE
ASB BKG 121787 P-BROMOFLUOROBENZENE		104.0000	PER	EE
ASB BKG 121787 P-BROMOFLUOROBENZENE		105.0000	PER	EE
ASB BKG 121787 PH		4.2000	PH	FD
ASB BKG 121787 PH		4.6300	PH	EE
ASB BKG 121787 PH		4.5800	PH	EE
ASB BKG 121787 PH		4.6100	PH	EE
ASB BKG 121787 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 121787 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 121787 SILVER	LT	0.0900	UGL	EE
ASB BKG 121787 TIN	LT	120.0000	UGL	EE
ASB BKG 121787 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 121787 1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 121787 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 121787 TETRACHLOROETHYLENE		110.0000	PER	EE
ASB BKG 121787 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121787 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121787 TOTAL DISSOLVED SOLIDS		10000.0000	UGL	EE
ASB BKG 121787 TOTAL DISSOLVED SOLIDS		8000.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121787 TOTAL RADIUM		6.3000	PCL	EE
ASB BKG 121787 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121787 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121787 TOTAL PHOSPHATES		70.0000	UGL	EE
ASB BKG 121787 TRICHLOROETHYLENE	LT	1.0000	UGL	EE

Raw Background Data

ASB BKG 121787 TRICHLOROETHYLENE		111.0000	PER	EE
ASB BKG 121787 TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121787 TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121787 TURBIDITY		0.2320	NTU	EE
ASB BKG 121787 TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 121787 TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 121787 TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 121787 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 121787 1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 121787 1,1,1-TRICHLOROETHANE		106.0000	PER	EE
ASB BKG 121787 1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 121787 1,2-DICHLOROETHANE-D4		86.0000	PER	EE
ASB BKG 121787 1,2-DICHLOROETHANE-D4		88.0000	PER	EE
ASB BKG 121787 1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 121787 1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 121787 1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 121787 1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 121787 CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 121787 CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 121787 TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 121787 TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 121787 2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 121787 2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 121787 2,4-DICHLOROPHENOXACETIC ACID	LT	0.3000	UGL	EE
ASB BKG 121787 ZINC		54.0000	UGL	EE
ASB BKG 022488 SILVER	LT	2.0000	UGL	EE
ASB BKG 022488 ALUMINUM		57.0000	UGL	EE
ASB BKG 022488 GROSS ALPHA		20.6000	PCL	EE
ASB BKG 022488 GROSS ALPHA		21.1000	PCL	EE
ASB BKG 022488 BARIUM		10.0000	UGL	EE
ASB BKG 022488 NONVOLATILE BETA		11.5000	PCL	EE
ASB BKG 022488 NONVOLATILE BETA		12.9000	PCL	EE
ASB BKG 022488 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 022488 CHLOROPFORM	LT	1.0000	UGL	EE
ASB BKG 022488 CHLORIDE		2300.0000	UGL	EE
ASB BKG 022488 SPECIFIC CONDUCTANCE		36.0000	UMHC	FD
ASB BKG 022488 COPPER		9.0000	UGL	EE
ASB BKG 022488 SODIUM		3460.0000	UGL	EE
ASB BKG 022488 NICKEL	LT	4.0000	UGL	EE
ASB BKG 022488 NITRATE AS NITROGEN		1810.0000	UGL	EE
ASB BKG 022488 LEAD		9.0000	UGL	EE
ASB BKG 022488 PH		4.5000	PH	FD
ASB BKG 022488 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 022488 TIN		544.0000	UGL	EE
ASB BKG 022488 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 022488 TOTAL DISSOLVED SOLIDS		30000.0000	UGL	EE
ASB BKG 022488 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 022488 TOTAL RADIUM		6.8000	PCL	EE
ASB BKG 022488 TOTAL RADIUM		7.4000	PCL	EE
ASB BKG 022488 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 022488 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 051088 SILVER	LT	2.0000	UGL	EE
ASB BKG 051088 ALUMINUM		253.0000	UGL	EE
ASB BKG 051088 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 051088 BARIUM		7.0000	UGL	EE
ASB BKG 051088 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 051088 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE

Raw Background Data

ASB BKG 051088 CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB BKG 051088 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 051088 BROMOFORM	LT	10.0000 UGL	EE
ASB BKG 051088 CHLOROFORM	LT	5.0000 UGL	EE
ASB BKG 051088 BROMOMETHANE	LT	10.0000 UGL	EE
ASB BKG 051088 CHLOROMETHANE	LT	10.0000 UGL	EE
ASB BKG 051088 CHLORIDE		2500.0000 UGL	EE
ASB BKG 051088 CHLORIDE		2400.0000 UGL	EE
ASB BKG 051088 CHLOROBENZENE	LT	5.0000 UGL	EE
ASB BKG 051088 SPECIFIC CONDUCTANCE		38.0000 UMHC	FD
ASB BKG 051088 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 051088 COPPER		6.0000 UGL	EE
ASB BKG 051088 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 051088 CHLOROETHENE	LT	10.0000 UGL	EE
ASB BKG 051088 CHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 051088 BENZENE	LT	5.0000 UGL	EE
ASB BKG 051088 DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 051088 ETHYLBENZENE	LT	5.0000 UGL	EE
ASB BKG 051088 MERCURY	LT	0.2000 UGL	EE
ASB BKG 051088 TOLUENE-D8		98.0000 PER	EE
ASB BKG 051088 TOLUENE	LT	5.0000 UGL	EE
ASB BKG 051088 SODIUM		3700.0000 UGL	EE
ASB BKG 051088 NICKEL	LT	4.0000 UGL	EE
ASB BKG 051088 NITRATE AS NITROGEN		1560.0000 UGL	EE
ASB BKG 051088 LEAD		11.0000 UGL	EE
ASB BKG 051088 P-BROMOFLUOROBENZENE		101.0000 PER	EE
ASB BKG 051088 PH		4.4000 PH	FD
ASB BKG 051088 PHENOLS	LT	5.0000 UGL	EE
ASB BKG 051088 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 051088 TIN	LT	120.0000 UGL	EE
ASB BKG 051088 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 051088 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 051088 1,1,2,2-TETRACHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 051088 TETRACHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 051088 TOTAL DISSOLVED SOLIDS		40000.0000 UGL	EE
ASB BKG 051088 TOTAL RADIUM		6.2200 PCL	EE
ASB BKG 051088 TOTAL PHOSPHATES		30.0000 UGL	EE
ASB BKG 051088 TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 051088 TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB BKG 051088 URANIUM	LT	1000.0000 UGL	EE
ASB BKG 051088 1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 051088 1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 051088 1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 051088 1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 051088 1,2-DICHLOROETHANE-D4		95.0000 PER	EE
ASB BKG 051088 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 051088 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB BKG 051088 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 051088 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 051088 2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB BKG 051088 ZINC		6.0000 UGL	EE
ASB BKG 081488 SILVER	LT	2.0000 UGL	EE
ASB BKG 081488 ALUMINUM		43.0000 UGL	EE
ASB BKG 081488 ARSENIC	LT	2.0000 UGL	EE
ASB BKG 081488 BARIUM		6.0000 UGL	EE
ASB BKG 081488 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 081488 CARBON TETRACHLORIDE		96.0000 PER	EE
ASB BKG 081488 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 081488 CHLOROFORM	LT	1.0000 UGL	EE
ASB BKG 081488 CHLOROFORM		105.0000 PER	EE
ASB BKG 081488 CHLOROFORM	LT	1.0000 UGL	MA
ASB BKG 081488 CHLORIDE		2300.0000 UGL	EE
ASB BKG 081488 SPECIFIC CONDUCTANCE		36.0000 UMHC	FD
ASB BKG 081488 CHROMIUM	LT	4.0000 UGL	EE

Raw Background Data

ASB BKG 081488 COPPER		4.0000 UGL	EE
ASB BKG 081488 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 081488 MERCURY	LT	0.2000 UGL	EE
ASB BKG 081488 MANGANESE		3.0000 UGL	EE
ASB BKG 081488 SODIUM		3360.0000 UGL	EE
ASB BKG 081488 NICKEL	LT	4.0000 UGL	EE
ASB BKG 081488 NITRATE AS NITROGEN		1980.0000 UGL	EE
ASB BKG 081488 LEAD	LT	6.0000 UGL	EE
ASB BKG 081488 PH		4.4000 PH	FD
ASB BKG 081488 PHENOLS	LT	5.0000 UGL	EE
ASB BKG 081488 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 081488 TIN	LT	120.0000 UGL	EE
ASB BKG 081488 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 081488 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 081488 TETRACHLOROETHYLENE		106.0000 PER	EE
ASB BKG 081488 TETRACHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 081488 TOTAL DISSOLVED SOLIDS		31000.0000 UGL	EE
ASB BKG 081488 TOTAL RADIUM		6.8700 PCL	EE
ASB BKG 081488 TOTAL PHOSPHATES	LT	20.0000 UGL	EE
ASB BKG 081488 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 081488 TRICHLOROETHYLENE		100.0000 PER	EE
ASB BKG 081488 TRICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 081488 TRANS-1,2-DICHLOROETHENE	LT	1.0000 UGL	MA
ASB BKG 081488 URANIUM	LT	1000.0000 UGL	EE
ASB BKG 081488 1,1-DICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 081488 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 081488 1,1,1-TRICHLOROETHANE		100.0000 PER	EE
ASB BKG 081488 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB BKG 081488 ZINC		24.0000 UGL	EE
ASB BKG 110888 SILVER	LT	2.0000 UGL	EE
ASB BKG 110888 ALUMINUM		44.0000 UGL	EE
ASB BKG 110888 ARSENIC	LT	2.0000 UGL	EE
ASB BKG 110888 BARIUM		9.0000 UGL	EE
ASB BKG 110888 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 110888 CHLOROFORM	LT	1.0000 UGL	MA
ASB BKG 110888 CHLORIDE		2200.0000 UGL	EE
ASB BKG 110888 SPECIFIC CONDUCTANCE		35.0000 UMHC	FD
ASB BKG 110888 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 110888 COPPER		15.0000 UGL	EE
ASB BKG 110888 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 110888 MERCURY	LT	0.2000 UGL	EE
ASB BKG 110888 SODIUM		3280.0000 UGL	EE
ASB BKG 110888 NICKEL	LT	4.0000 UGL	EE
ASB BKG 110888 NITRATE AS NITROGEN		2240.0000 UGL	EE
ASB BKG 110888 LEAD		15.0000 UGL	EE
ASB BKG 110888 PH		4.5000 PH	FD
ASB BKG 110888 PHENOLS	LT	5.0000 UGL	EE
ASB BKG 110888 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 110888 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 110888 TETRACHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 110888 TOTAL DISSOLVED SOLIDS		59000.0000 UGL	EE
ASB BKG 110888 TOTAL RADIUM		6.2600 PCL	RM
ASB BKG 110888 TOTAL PHOSPHATES		60.0000 UGL	EE
ASB BKG 110888 TRICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 110888 TRANS-1,2-DICHLOROETHENE	LT	1.0000 UGL	MA
ASB BKG 110888 URANIUM	LT	1000.0000 UGL	EE
ASB BKG 110888 1,1-DICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 110888 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB BKG 110888 ZINC		12.0000 UGL	EE
ASB BKG 031289 SILVER	LT	2.0000 UGL	EE
ASB BKG 031289 SILVER	LT	2.0000 UGL	EE
ASB BKG 031289 SILVER	LT	2.0000 UGL	EE
ASB BKG 031289 SILVER	LT	10.0000 UGL	EW
ASB BKG 031289 SILVER	LT	10.0000 UGL	WA

Raw Background Data

ASB BKG 031289 ALUMINUM		47.0000	UGL	EE
ASB BKG 031289 ALUMINUM		46.0000	UGL	EE
ASB BKG 031289 ALUMINUM	LT	400.0000	UGL	EW
ASB BKG 031289 ALUMINUM	LT	200.0000	UGL	WA
ASB BKG 031289 GROSS ALPHA		22.5000	PCL	RM
ASB BKG 031289 GROSS ALPHA		29.8000	PCL	RM
ASB BKG 031289 GROSS ALPHA		24.6000	PCL	EW
ASB BKG 031289 GROSS ALPHA		17.0000	PCL	WA
ASB BKG 031289 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 031289 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 031289 ARSENIC	LT	5.0000	UGL	EW
ASB BKG 031289 ARSENIC	LT	10.0000	UGL	WA
ASB BKG 031289 BARIUM		9.0000	UGL	EE
ASB BKG 031289 BARIUM		8.0000	UGL	EE
ASB BKG 031289 BARIUM	LT	100.0000	UGL	EW
ASB BKG 031289 BARIUM	LT	200.0000	UGL	WA
ASB BKG 031289 BERYLLIUM	LT	5.0000	UGL	WA
ASB BKG 031289 NONVOLATILE BETA		20.2000	PCL	RM
ASB BKG 031289 NONVOLATILE BETA		16.0000	PCL	RM
ASB BKG 031289 NONVOLATILE BETA		12.6900	PCL	EW
ASB BKG 031289 NONVOLATILE BETA		8.0000	PCL	WA
ASB BKG 031289 BROMODICHLOROMETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 BROMODICHLOROMETHANE	LT	5.0000	UGL	WA
ASB BKG 031289 CALCIUM	LT	5000.0000	UGL	WA
ASB BKG 031289 TRICHLOROFLUOROMETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	WA
ASB BKG 031289 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 031289 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 031289 CARBON TETRACHLORIDE	LT	1.0000	UGL	EW
ASB BKG 031289 CARBON TETRACHLORIDE	LT	5.0000	UGL	WA
ASB BKG 031289 CADMIUM	LT	2.0000	UGL	EE
ASB BKG 031289 CADMIUM	LT	2.0000	UGL	EE
ASB BKG 031289 CADMIUM	LT	10.0000	UGL	EW
ASB BKG 031289 CADMIUM	LT	5.0000	UGL	WA
ASB BKG 031289 BROMOFORM	LT	1.0000	UGL	EW
ASB BKG 031289 BROMOFORM	LT	5.0000	UGL	WA
ASB BKG 031289 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 031289 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 031289 CHLOROFORM	LT	1.0000	UGL	MA
ASB BKG 031289 CHLOROFORM	LT	1.0000	UGL	MA
ASB BKG 031289 CHLOROFORM	LT	1.0000	UGL	EW
ASB BKG 031289 CHLOROFORM	LT	5.0000	UGL	WA
ASB BKG 031289 METHYLENE CHLORIDE	LT	1.0000	UGL	EW
ASB BKG 031289 METHYLENE CHLORIDE	LT	5.0000	UGL	WA
ASB BKG 031289 BROMOMETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 BROMOMETHANE	LT	10.0000	UGL	WA
ASB BKG 031289 CHLOROMETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 CHLOROMETHANE	LT	10.0000	UGL	WA
ASB BKG 031289 CHLORIDE		2600.0000	UGL	EE
ASB BKG 031289 CHLORIDE		2500.0000	UGL	EE
ASB BKG 031289 CHLORIDE		2400.0000	UGL	EE
ASB BKG 031289 CHLORIDE		2300.0000	UGL	EW
ASB BKG 031289 CHLORIDE	LT	5000.0000	UGL	WA
ASB BKG 031289 CHLOROBENZENE	LT	1.0000	UGL	EW
ASB BKG 031289 CHLOROBENZENE	LT	5.0000	UGL	WA
ASB BKG 031289 COBALT	LT	50.0000	UGL	WA
ASB BKG 031289 SPECIFIC CONDUCTANCE		35.0000	UMBC	FD
ASB BKG 031289 SPECIFIC CONDUCTANCE		35.0000	UMBC	FD
ASB BKG 031289 SPECIFIC CONDUCTANCE		30.5000	UMBC	EE
ASB BKG 031289 SPECIFIC CONDUCTANCE		31.0000	UMBC	EW
ASB BKG 031289 SPECIFIC CONDUCTANCE		31.2000	UMBC	WA
ASB BKG 031289 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 031289 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 031289 CHROMIUM	LT	50.0000	UGL	EW

Raw Background Data

ASB BKG 031289 CHROMIUM	LT	10.0000	UGL	WA
ASB BKG 031289 COPPER		5.0000	UGL	EE
ASB BKG 031289 COPPER		6.0000	UGL	EE
ASB BKG 031289 COPPER	LT	20.0000	UGL	EW
ASB BKG 031289 COPPER	LT	25.0000	UGL	WA
ASB BKG 031289 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 031289 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 031289 CYANIDE	LT	20.0000	UGL	EW
ASB BKG 031289 CYANIDE	LT	10.0000	UGL	WA
ASB BKG 031289 CHLOROETHENE	LT	1.0000	UGL	EW
ASB BKG 031289 CHLOROETHENE	LT	10.0000	UGL	WA
ASB BKG 031289 CHLOROETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 CHLOROETHANE	LT	10.0000	UGL	WA
ASB BKG 031289 BENZENE	LT	1.0000	UGL	EW
ASB BKG 031289 BENZENE	LT	5.0000	UGL	WA
ASB BKG 031289 DIBROMOCHLOROMETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 DIBROMOCHLOROMETHANE	LT	5.0000	UGL	WA
ASB BKG 031289 ETHYLBENZENE	LT	1.0000	UGL	EW
ASB BKG 031289 ETHYLBENZENE	LT	5.0000	UGL	WA
ASB BKG 031289 IRON	LT	100.0000	UGL	WA
ASB BKG 031289 MERCURY	LT	0.2000	UGL	EE
ASB BKG 031289 MERCURY	LT	0.2000	UGL	EE
ASB BKG 031289 MERCURY	LT	0.2000	UGL	EW
ASB BKG 031289 MERCURY	LT	0.2000	UGL	WA
ASB BKG 031289 POTASSIUM	LT	5000.0000	UGL	WA
ASB BKG 031289 LITHIUM	LT	50.0000	UGL	WA
ASB BKG 031289 TOLUENE-D8		97.0000	PER	WA
ASB BKG 031289 TOLUENE	LT	1.0000	UGL	EW
ASB BKG 031289 TOLUENE	LT	5.0000	UGL	WA
ASB BKG 031289 MAGNESIUM	LT	5000.0000	UGL	WA
ASB BKG 031289 MANGANESE		3.0000	UGL	EE
ASB BKG 031289 MANGANESE		4.0000	UGL	EE
ASB BKG 031289 MANGANESE	LT	20.0000	UGL	EW
ASB BKG 031289 MANGANESE	LT	15.0000	UGL	WA
ASB BKG 031289 SODIUM		2570.0000	UGL	EE
ASB BKG 031289 SODIUM		2490.0000	UGL	EE
ASB BKG 031289 SODIUM		2900.0000	UGL	EW
ASB BKG 031289 SODIUM	LT	5000.0000	UGL	WA
ASB BKG 031289 NICKEL	LT	4.0000	UGL	EE
ASB BKG 031289 NICKEL	LT	4.0000	UGL	EE
ASB BKG 031289 NICKEL	LT	50.0000	UGL	EW
ASB BKG 031289 NICKEL	LT	40.0000	UGL	WA
ASB BKG 031289 NITRATE AS NITROGEN		1960.0000	UGL	EE
ASB BKG 031289 NITRATE AS NITROGEN		2020.0000	UGL	EE
ASB BKG 031289 NITRATE AS NITROGEN		1990.0000	UGL	EE
ASB BKG 031289 NITRATE AS NITROGEN		2000.0000	UGL	EW
ASB BKG 031289 NITRATE AS NITROGEN		1800.0000	UGL	WA
ASB BKG 031289 LEAD	LT	6.0000	UGL	EE
ASB BKG 031289 LEAD	LT	6.0000	UGL	EE
ASB BKG 031289 LEAD	LT	100.0000	UGL	EW
ASB BKG 031289 LEAD		6.9000	UGL	WA
ASB BKG 031289 P-BROMOFLUOROBENZENE		100.0000	PER	WA
ASB BKG 031289 PH		4.3000	PH	FD
ASB BKG 031289 PH		4.3000	PH	FD
ASB BKG 031289 PH		3.9900	PH	EE
ASB BKG 031289 PH		4.5000	PH	EW
ASB BKG 031289 PH		4.6000	PH	WA
ASB BKG 031289 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 031289 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 031289 PHENOLS	LT	5.0000	UGL	EW
ASB BKG 031289 PHENOLS	LT	5.0000	UGL	WA
ASB BKG 031289 ANTIMONY	LT	60.0000	UGL	WA
ASB BKG 031289 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 031289 SELENIUM	LT	2.0000	UGL	EE

Raw Background Data

ASB BKG 031289 SELENIUM	LT	10.0000	UGL	EW
ASB BKG 031289 SELENIUM	LT	5.0000	UGL	WA
ASB BKG 031289 SILICA		3000.0000	UGL	WA
ASB BKG 031289 TIN	LT	120.0000	UGL	EE
ASB BKG 031289 TIN	LT	120.0000	UGL	EE
ASB BKG 031289 TIN	LT	1000.0000	UGL	EW
ASB BKG 031289 TIN	LT	100.0000	UGL	WA
ASB BKG 031289 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 031289 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 031289 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 031289 SULFATE		7000.0000	UGL	EW
ASB BKG 031289 SULFATE	LT	5000.0000	UGL	WA
ASB BKG 031289 1,1,2,2-TETRACHLOROETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 1,1,2,2-TETRACHLOROETHANE	LT	5.0000	UGL	WA
ASB BKG 031289 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 031289 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 031289 TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB BKG 031289 TETRACHLOROETHYLENE	LT	1.0000	UGL	MA
ASB BKG 031289 TETRACHLOROETHYLENE	LT	1.0000	UGL	EW
ASB BKG 031289 TETRACHLOROETHYLENE	LT	5.0000	UGL	WA
ASB BKG 031289 TOTAL DISSOLVED SOLIDS		24000.0000	UGL	EE
ASB BKG 031289 TOTAL DISSOLVED SOLIDS		22000.0000	UGL	EE
ASB BKG 031289 TOTAL DISSOLVED SOLIDS		36000.0000	UGL	EW
ASB BKG 031289 TOTAL DISSOLVED SOLIDS		24000.0000	UGL	WA
ASB BKG 031289 THALLIUM	LT	10.0000	UGL	WA
ASB BKG 031289 TOTAL ORGANIC CARBON		1000.0000	UGL	EE
ASB BKG 031289 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 031289 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 031289 TOTAL ORGANIC CARBON	LT	5000.0000	UGL	EW
ASB BKG 031289 TOTAL ORGANIC CARBON		1000.0000	UGL	WA
ASB BKG 031289 TOTAL RADIUM		20.0000	PCL	RM
ASB BKG 031289 TOTAL RADIUM		11.8000	PCL	RM
ASB BKG 031289 TOTAL RADIUM		9.0100	PCL	EW
ASB BKG 031289 TOTAL RADIUM		7.3000	PCL	WA
ASB BKG 031289 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 031289 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 031289 TOTAL PHOSPHATES		21.0000	UGL	EE
ASB BKG 031289 TOTAL PHOSPHATES	LT	10.0000	UGL	EW
ASB BKG 031289 TOTAL PHOSPHATES	LT	50.0000	UGL	WA
ASB BKG 031289 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 031289 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 031289 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB BKG 031289 TRICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB BKG 031289 TRICHLOROETHYLENE	LT	1.0000	UGL	EW
ASB BKG 031289 TRICHLOROETHYLENE	LT	5.0000	UGL	WA
ASB BKG 031289 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB BKG 031289 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	MA
ASB BKG 031289 TRANS-1,2-DICHLOROETHENE	LT	1.0000	UGL	EW
ASB BKG 031289 TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	WA
ASB BKG 031289 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 031289 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 031289 URANIUM	LT	1.0000	UGL	EW
ASB BKG 031289 URANIUM	LT	1000.0000	UGL	WA
ASB BKG 031289 VANADIUM	LT	50.0000	UGL	WA
ASB BKG 031289 XYLENES	LT	1.0000	UGL	EW
ASB BKG 031289 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB BKG 031289 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	MA
ASB BKG 031289 1,1-DICHLOROETHYLENE	LT	1.0000	UGL	EW
ASB BKG 031289 1,1-DICHLOROETHYLENE	LT	5.0000	UGL	WA
ASB BKG 031289 1,1-DICHLOROETHANE	LT	1.0000	UGL	EW
ASB BKG 031289 1,1-DICHLOROETHANE	LT	5.0000	UGL	WA
ASB BKG 031289 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 031289 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 031289 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA

Raw Background Data

ASB BKG 031289	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	MA
ASB BKG 031289	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EW
ASB BKG 031289	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	WA
ASB BKG 031289	1,1,2-TRICHLOROETHANE	LT	1.0000	UGL	EW
ASB BKG 031289	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	WA
ASB BKG 031289	1,2-DICHLOROETHANE-D4		104.0000	PER	WA
ASB BKG 031289	1,2-DICHLOROBENZENE	LT	1.0000	UGL	EW
ASB BKG 031289	1,2-DICHLOROETHANE	LT	1.0000	UGL	EW
ASB BKG 031289	1,2-DICHLOROETHANE	LT	5.0000	UGL	WA
ASB BKG 031289	1,2-DICHLOROPROPANE	LT	1.0000	UGL	EW
ASB BKG 031289	1,2-DICHLOROPROPANE	LT	5.0000	UGL	WA
ASB BKG 031289	1,3-DICHLOROBENZENE	LT	1.0000	UGL	EW
ASB BKG 031289	CIS-1,3-DICHLOROPROPENE	LT	1.0000	UGL	EW
ASB BKG 031289	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	WA
ASB BKG 031289	TRANS-1,3-DICHLOROPROPENE	LT	1.0000	UGL	EW
ASB BKG 031289	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	WA
ASB BKG 031289	1,4-DICHLOROBENZENE	LT	1.0000	UGL	EW
ASB BKG 031289	2-CHLOROETHYL VINYL ETHER	LT	1.0000	UGL	EW
ASB BKG 031289	2-CHLOROETHYL VINYL ETHER	LT	5.0000	UGL	WA
ASB BKG 031289	ZINC		8.0000	UGL	EE
ASB BKG 031289	ZINC		14.0000	UGL	EE
ASB BKG 031289	ZINC	LT	10.0000	UGL	EW
ASB BKG 031289	ZINC	LT	20.0000	UGL	WA
ASB BKG 061886	SILVER	LT	2.0000	UGL	EE
ASB BKG 061886	SILVER	LT	2.0000	UGL	EE
ASB BKG 061886	ALUMINUM		36.0000	UGL	EE
ASB BKG 061886	ALUMINUM		142.0000	UGL	EE
ASB BKG 061886	GROSS ALPHA	LT	3.0000	PCL	RM
ASB BKG 061886	ARSENIC	LT	2.0000	UGL	EE
ASB BKG 061886	ARSENIC	LT	2.0000	UGL	EE
ASB BKG 061886	BARIUM	LT	4.0000	UGL	EE
ASB BKG 061886	BARIUM	LT	4.0000	UGL	EE
ASB BKG 061886	NONVOLATILE BETA	LT	2.0000	PCL	RM
ASB BKG 061886	BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 061886	TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 061886	CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 061886	CADMIUM	LT	1.0000	UGL	EE
ASB BKG 061886	CADMIUM	LT	1.0000	UGL	EE
ASB BKG 061886	BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 061886	CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 061886	METHYLENE CHLORIDE	LT	5.0000	UGL	EE
ASB BKG 061886	BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 061886	CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 061886	CHLORIDE		4000.0000	UGL	EE
ASB BKG 061886	CHLORIDE		4000.0000	UGL	EE
ASB BKG 061886	CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 061886	SPECIFIC CONDUCTANCE		22.0000	UMEC	FD
ASB BKG 061886	SPECIFIC CONDUCTANCE		22.0000	UMEC	FD
ASB BKG 061886	SPECIFIC CONDUCTANCE		25.8000	UMEC	EE
ASB BKG 061886	SPECIFIC CONDUCTANCE		23.4000	UMEC	EE
ASB BKG 061886	SPECIFIC CONDUCTANCE		22.2000	UMEC	EE
ASB BKG 061886	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 061886	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 061886	COPPER		5.0000	UGL	EE
ASB BKG 061886	COPPER	LT	4.0000	UGL	EE
ASB BKG 061886	CYANIDE	LT	5.0000	UGL	EE
ASB BKG 061886	CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 061886	CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 061886	BENZENE	LT	5.0000	UGL	EE
ASB BKG 061886	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 061886	ENDRIN	LT	0.0400	UGL	EE
ASB BKG 061886	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 061886	FLUORIDE		180.0000	UGL	EE
ASB BKG 061886	FLUORIDE		140.0000	UGL	EE

Raw Background Data

ASB BKG 061886 IRON		19.0000 UGL	EE
ASB BKG 061886 IRON		17.0000 UGL	EE
ASB BKG 061886 MERCURY	LT	0.2000 UGL	EE
ASB BKG 061886 MERCURY	LT	0.2000 UGL	EE
ASB BKG 061886 MERCURY		0.2000 UGL	EE
ASB BKG 061886 LINDANE	LT	1.0000 UGL	EE
ASB BKG 061886 TOLUENE-D8		42.0000 UGL	EE
ASB BKG 061886 TOLUENE	LT	5.0000 UGL	EE
ASB BKG 061886 METHOXYCHLOR	LT	20.0000 UGL	EE
ASB BKG 061886 MANGANESE		23.0000 UGL	EE
ASB BKG 061886 MANGANESE		23.0000 UGL	EE
ASB BKG 061886 SODIUM		1580.0000 UGL	EE
ASB BKG 061886 SODIUM		1630.0000 UGL	EE
ASB BKG 061886 NICKEL	LT	4.0000 UGL	EE
ASB BKG 061886 NICKEL	LT	4.0000 UGL	EE
ASB BKG 061886 NITRATE AS NITROGEN		950.0000 UGL	EE
ASB BKG 061886 LEAD		20.0000 UGL	EE
ASB BKG 061886 LEAD		14.0000 UGL	EE
ASB BKG 061886 P-BROMOFLUOROBENZENE		48.0000 UGL	EE
ASB BKG 061886 PH		4.9000 PH	FD
ASB BKG 061886 PH		4.9000 PH	FD
ASB BKG 061886 PH		5.0800 PH	EE
ASB BKG 061886 PH		5.1100 PH	EE
ASB BKG 061886 PH		5.0300 PH	EE
ASB BKG 061886 PHENOLS	LT	2.0000 UGL	EE
ASB BKG 061886 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 061886 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 061886 SILVEX	LT	2.0000 UGL	EE
ASB BKG 061886 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 061886 1,1,2,2-TETRACHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 061886 TETRACHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 061886 TOTAL COLIFORM	LT	1.0000	EC
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 061886 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 061886 TOTAL RADIUM		0.4000 PCL	RM
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 061886 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 061886 TOTAL PHOSPHATES	LT	10.0000 UGL	EE
ASB BKG 061886 TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 061886 TURBIDITY		0.3000 TU	EE
ASB BKG 061886 TOXAPHENE	LT	1.0000 UGL	EE
ASB BKG 061886 TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB BKG 061886 URANIUM	LT	100.0000 UGL	EE
ASB BKG 061886 URANIUM	LT	100.0000 UGL	EE
ASB BKG 061886 1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 061886 1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 061886 1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 061886 1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 061886 1,2-DICHLOROETHANE-D4		47.0000 UGL	EE
ASB BKG 061886 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 061886 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB BKG 061886 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 061886 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 061886 2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB BKG 061886 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000 UGL	EE
ASB BKG 061886 ZINC		10.0000 UGL	EE
ASB BKG 061886 ZINC		8.0000 UGL	EE
ASB BKG 072286 SILVER	LT	2.0000 UGL	EE
ASB BKG 072286 SILVER	LT	2.0000 UGL	EE
ASB BKG 072286 ALUMINUM		39.0000 UGL	EE

Raw Background Data

ASB BKG 072286 ALUMINUM		36.0000 UGL	EE
ASB BKG 072286 GROSS ALPHA	LT	3.0000 PCL	RM
ASB BKG 072286 BARIUM		4.0000 UGL	EE
ASB BKG 072286 BARIUM		4.0000 UGL	EE
ASB BKG 072286 NONVOLATILE BETA	LT	2.0000 PCL	RM
ASB BKG 072286 BROMODICHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 072286 TRICHLOROFLUOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 072286 CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB BKG 072286 CADMIUM	LT	1.0000 UGL	EE
ASB BKG 072286 CADMIUM	LT	1.0000 UGL	EE
ASB BKG 072286 BROMOFORM	LT	10.0000 UGL	EE
ASB BKG 072286 CHLOROFORM	LT	5.0000 UGL	EE
ASB BKG 072286 METHYLENE CHLORIDE		4.0000 UGL	EE
ASB BKG 072286 BROMOMETHANE	LT	10.0000 UGL	EE
ASB BKG 072286 CHLOROMETHANE	LT	10.0000 UGL	EE
ASB BKG 072286 CHLORIDE		2270.0000 UGL	EE
ASB BKG 072286 CHLORIDE		2270.0000 UGL	EE
ASB BKG 072286 CHLOROBENZENE	LT	5.0000 UGL	EE
ASB BKG 072286 SPECIFIC CONDUCTANCE		26.0000 UMHC	FD
ASB BKG 072286 SPECIFIC CONDUCTANCE		26.0000 UMHC	FD
ASB BKG 072286 SPECIFIC CONDUCTANCE		23.3700 UMHC	EE
ASB BKG 072286 SPECIFIC CONDUCTANCE		22.9800 UMHC	EE
ASB BKG 072286 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 072286 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 072286 COPPER		5.0000 UGL	EE
ASB BKG 072286 COPPER		7.0000 UGL	EE
ASB BKG 072286 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 072286 CHLOROETHENE	LT	10.0000 UGL	EE
ASB BKG 072286 CHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 072286 BENZENE	LT	5.0000 UGL	EE
ASB BKG 072286 DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 072286 ETHYLBENZENE	LT	5.0000 UGL	EE
ASB BKG 072286 FLUORIDE	LT	100.0000 UGL	EE
ASB BKG 072286 IRON		28.0000 UGL	EE
ASB BKG 072286 IRON		34.0000 UGL	EE
ASB BKG 072286 MERCURY	LT	0.2000 UGL	EE
ASB BKG 072286 MERCURY	LT	0.2000 UGL	EE
ASB BKG 072286 TOLUENE-D8		52.0000 UGL	EE
ASB BKG 072286 TOLUENE	LT	5.0000 UGL	EE
ASB BKG 072286 MANGANESE		25.0000 UGL	EE
ASB BKG 072286 MANGANESE		24.0000 UGL	EE
ASB BKG 072286 SODIUM		1970.0000 UGL	EE
ASB BKG 072286 SODIUM		1900.0000 UGL	EE
ASB BKG 072286 NICKEL	LT	4.0000 UGL	EE
ASB BKG 072286 NICKEL	LT	4.0000 UGL	EE
ASB BKG 072286 NITRATE AS NITROGEN		1200.0000 UGL	EE
ASB BKG 072286 NITRATE AS NITROGEN		1180.0000 UGL	EE
ASB BKG 072286 LEAD		22.0000 UGL	EE
ASB BKG 072286 LEAD		23.0000 UGL	EE
ASB BKG 072286 P-BROMOFLUOROBENZENE		56.0000 UGL	EE
ASB BKG 072286 PH		4.7000 PH	FD
ASB BKG 072286 PH		4.7000 PH	FD
ASB BKG 072286 PH		5.1600 PH	EE
ASB BKG 072286 PH		5.1300 PH	EE
ASB BKG 072286 PHENOLS	LT	2.0000 UGL	EE
ASB BKG 072286 PHENOLS	LT	2.0000 UGL	EE
ASB BKG 072286 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 072286 1,1,2,2-TETRACHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 072286 TETRACHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 072286 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 072286 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 072286 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 072286 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 072286 TOTAL RADIUM		0.9000 PCL	RM

Raw Background Data

ASB BKG 072286	TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 072286	TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 072286	TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 072286	TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 072286	TOTAL PHOSPHATES		39.0000 UGL	EE
ASB BKG 072286	TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 072286	TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB BKG 072286	URANIUM	LT	50.0000 UGL	EE
ASB BKG 072286	URANIUM	LT	50.0000 UGL	EE
ASB BKG 072286	1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 072286	1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 072286	1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 072286	1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 072286	1,2-DICHLOROETHANE-D4		44.0000 UGL	EE
ASB BKG 072286	1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 072286	1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB BKG 072286	CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 072286	TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 072286	2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB BKG 072286	ZINC		13.0000 UGL	EE
ASB BKG 072286	ZINC		18.0000 UGL	EE
ASB BKG 110286	SILVER	LT	2.0000 UGL	EE
ASB BKG 110286	SILVER	LT	2.0000 UGL	EE
ASB BKG 110286	ALUMINUM		30.0000 UGL	EE
ASB BKG 110286	ALUMINUM		36.0000 UGL	EE
ASB BKG 110286	GROSS ALPHA	LT	3.0000 PCL	RM
ASB BKG 110286	BARIUM	LT	4.0000 UGL	EE
ASB BKG 110286	BARIUM	LT	4.0000 UGL	EE
ASB BKG 110286	BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 110286	BERYLLIUM	LT	1.0000 UGL	EE
ASB BKG 110286	NONVOLATILE BETA	LT	2.0000 PCL	RM
ASB BKG 110286	BROMODICHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 110286	CALCIUM		907.0000 UGL	EE
ASB BKG 110286	CALCIUM		1060.0000 UGL	EE
ASB BKG 110286	TRICHLOROFLUOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 110286	CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB BKG 110286	CADMIUM	LT	2.0000 UGL	EE
ASB BKG 110286	CADMIUM	LT	2.0000 UGL	EE
ASB BKG 110286	BROMOFORM	LT	10.0000 UGL	EE
ASB BKG 110286	CHLOROFORM	LT	5.0000 UGL	EE
ASB BKG 110286	BROMOMETHANE	LT	10.0000 UGL	EE
ASB BKG 110286	CHLOROMETHANE	LT	10.0000 UGL	EE
ASB BKG 110286	CHLORIDE		3400.0000 UGL	EE
ASB BKG 110286	CHLOROBENZENE	LT	5.0000 UGL	EE
ASB BKG 110286	SPECIFIC CONDUCTANCE		32.0000 UMHC	FD
ASB BKG 110286	SPECIFIC CONDUCTANCE		32.0000 UMHC	FD
ASB BKG 110286	CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 110286	CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 110286	COPPER		5.0000 UGL	EE
ASB BKG 110286	COPPER		14.0000 UGL	EE
ASB BKG 110286	CYANIDE	LT	5.0000 UGL	EE
ASB BKG 110286	CHLOROETHENE	LT	10.0000 UGL	EE
ASB BKG 110286	CHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 110286	BENZENE	LT	5.0000 UGL	EE
ASB BKG 110286	DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 110286	ETHYLBENZENE	LT	5.0000 UGL	EE
ASB BKG 110286	FLUORIDE	LT	100.0000 UGL	EE
ASB BKG 110286	IRON		33.0000 UGL	EE
ASB BKG 110286	IRON		34.0000 UGL	EE
ASB BKG 110286	MERCURY	LT	0.2000 UGL	EE
ASB BKG 110286	MERCURY	LT	0.2000 UGL	EE
ASB BKG 110286	MERCURY	LT	0.2000 UGL	EE
ASB BKG 110286	TOLUENE-D8		97.6000 PER	EE
ASB BKG 110286	TOLUENE	LT	5.0000 UGL	EE

Raw Background Data

ASB BKG 110286	MAGNESIUM		480.0000	UGL	EE
ASB BKG 110286	MAGNESIUM		480.0000	UGL	EE
ASB BKG 110286	MANGANESE		21.0000	UGL	EE
ASB BKG 110286	MANGANESE		21.0000	UGL	EE
ASB BKG 110286	SODIUM		1680.0000	UGL	EE
ASB BKG 110286	SODIUM		1770.0000	UGL	EE
ASB BKG 110286	NICKEL	LT	4.0000	UGL	EE
ASB BKG 110286	NICKEL	LT	4.0000	UGL	EE
ASB BKG 110286	NITRATE AS NITROGEN		1170.0000	UGL	EE
ASB BKG 110286	LEAD		15.0000	UGL	EE
ASB BKG 110286	LEAD		19.0000	UGL	EE
ASB BKG 110286	P-BROMOFLUOROBENZENE		92.2000	PER	EE
ASB BKG 110286	PH		3.9000	PH	FD
ASB BKG 110286	PH		3.9000	PH	FD
ASB BKG 110286	PHENOLS	LT	2.0000	UGL	EE
ASB BKG 110286	ANTIMONY	LT	3.0000	UGL	EE
ASB BKG 110286	ANTIMONY	LT	3.0000	UGL	EE
ASB BKG 110286	SULFATE	LT	3000.0000	UGL	EE
ASB BKG 110286	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 110286	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC CARBON		2500.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC CARBON		2300.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC CARBON		2400.0000	UGL	EE
ASB BKG 110286	TOTAL RADIUM	LT	1.0000	PCL	RM
ASB BKG 110286	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 110286	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 110286	TOTAL PHOSPHATES		37.0000	UGL	EE
ASB BKG 110286	TOTAL PHOSPHATES		42.0000	UGL	EE
ASB BKG 110286	TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 110286	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 110286	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 110286	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 110286	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 110286	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 110286	1,2-DICHLOROETHANE-D4		103.4000	PER	EE
ASB BKG 110286	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 110286	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 110286	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 110286	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 110286	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 110286	ZINC		8.0000	UGL	EE
ASB BKG 110286	ZINC		8.0000	UGL	EE
ASB BKG 012987	SILVER	LT	2.0000	UGL	EE
ASB BKG 012987	SILVER	LT	2.0000	UGL	EE
ASB BKG 012987	SILVER	LT	2.0000	UGL	EE
ASB BKG 012987	ALUMINUM		31.0000	UGL	EE
ASB BKG 012987	ALUMINUM		36.0000	UGL	EE
ASB BKG 012987	ALUMINUM		39.0000	UGL	EE
ASB BKG 012987	GROSS ALPHA		1.2000	PCL	RM
ASB BKG 012987	GROSS ALPHA		1.2000	PCL	RM
ASB BKG 012987	ARSENIC	LT	2.0000	UGL	EE
ASB BKG 012987	ARSENIC	LT	2.0000	UGL	EE
ASB BKG 012987	BARIUM		4.0000	UGL	EE
ASB BKG 012987	BARIUM		4.0000	UGL	EE
ASB BKG 012987	BARIUM	LT	4.0000	UGL	EE
ASB BKG 012987	BERYLLIUM	LT	1.0000	UGL	EE
ASB BKG 012987	BERYLLIUM	LT	1.0000	UGL	EE
ASB BKG 012987	BERYLLIUM	LT	1.0000	UGL	EE
ASB BKG 012987	NONVOLATILE BETA	LT	2.0000	PCL	RM
ASB BKG 012987	NONVOLATILE BETA		2.7000	PCL	RM
ASB BKG 012987	CALCIUM		914.0000	UGL	EE

Raw Background Data

ASB BKG 012987 CALCIUM		875.0000 UGL	EE
ASB BKG 012987 CALCIUM		840.0000 UGL	EE
ASB BKG 012987 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 012987 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 012987 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 012987 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 012987 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 012987 CHLOROFORM	LT	1.0000 UGL	EE
ASB BKG 012987 CHLOROFORM	LT	1.0000 UGL	EE
ASB BKG 012987 CHLORIDE		2900.0000 UGL	EE
ASB BKG 012987 SPECIFIC CONDUCTANCE		28.0000 UMHC	FD
ASB BKG 012987 SPECIFIC CONDUCTANCE		28.0000 UMHC	FD
ASB BKG 012987 SPECIFIC CONDUCTANCE		23.7000 UMHC	EE
ASB BKG 012987 SPECIFIC CONDUCTANCE		23.6000 UMHC	EE
ASB BKG 012987 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 012987 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 012987 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 012987 COPPER	LT	4.0000 UGL	EE
ASB BKG 012987 COPPER	LT	4.0000 UGL	EE
ASB BKG 012987 COPPER	LT	4.0000 UGL	EE
ASB BKG 012987 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 012987 ENDRIN	LT	0.1000 UGL	EE
ASB BKG 012987 FLUORIDE		100.0000 UGL	EE
ASB BKG 012987 FLUORIDE	LT	100.0000 UGL	EE
ASB BKG 012987 IRON		31.0000 UGL	EE
ASB BKG 012987 IRON		32.0000 UGL	EE
ASB BKG 012987 MERCURY	LT	0.2000 UGL	EE
ASB BKG 012987 MERCURY	LT	0.2000 UGL	EE
ASB BKG 012987 MERCURY	LT	0.2000 UGL	EE
ASB BKG 012987 POTASSIUM		169.0000 UGL	EE
ASB BKG 012987 POTASSIUM		98.0000 UGL	EE
ASB BKG 012987 POTASSIUM		108.0000 UGL	EE
ASB BKG 012987 LINDANE	LT	0.0500 UGL	EE
ASB BKG 012987 METHOXYCHLOR	LT	0.5000 UGL	EE
ASB BKG 012987 MAGNESIUM		505.0000 UGL	EE
ASB BKG 012987 MAGNESIUM		472.0000 UGL	EE
ASB BKG 012987 MAGNESIUM		466.0000 UGL	EE
ASB BKG 012987 MANGANESE		20.0000 UGL	EE
ASB BKG 012987 MANGANESE		19.0000 UGL	EE
ASB BKG 012987 MANGANESE		19.0000 UGL	EE
ASB BKG 012987 SODIUM		2040.0000 UGL	EE
ASB BKG 012987 SODIUM		1990.0000 UGL	EE
ASB BKG 012987 SODIUM		1940.0000 UGL	EE
ASB BKG 012987 NICKEL	LT	4.0000 UGL	EE
ASB BKG 012987 NICKEL	LT	4.0000 UGL	EE
ASB BKG 012987 NICKEL	LT	4.0000 UGL	EE
ASB BKG 012987 NITRATE AS NITROGEN		1200.0000 UGL	EE
ASB BKG 012987 LEAD		8.0000 UGL	EE
ASB BKG 012987 LEAD		7.0000 UGL	EE
ASB BKG 012987 LEAD		11.0000 UGL	EE
ASB BKG 012987 PH		4.4000 PH	FD
ASB BKG 012987 PH		4.4000 PH	FD
ASB BKG 012987 PH		4.5200 PH	EE
ASB BKG 012987 PH		4.5000 PH	EE
ASB BKG 012987 PHENOLS	LT	2.0000 UGL	EE
ASB BKG 012987 ANTIMONY	LT	3.0000 UGL	EE
ASB BKG 012987 ANTIMONY	LT	3.0000 UGL	EE
ASB BKG 012987 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 012987 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 012987 SILICA		3520.0000 UGL	EE
ASB BKG 012987 SILVEX	LT	2.0000 UGL	EE
ASB BKG 012987 SULFATE	LT	3000.0000 UGL	EE
ASB BKG 012987 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 012987 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE

Raw Background Data

ASB BKG 012987 TOTAL DISSOLVED SOLIDS		32000.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 012987 TOTAL RADIUM	LT	1.0000 PCL	RM
ASB BKG 012987 TOTAL RADIUM	LT	1.0000 PCL	RM
ASB BKG 012987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 012987 TOTAL PHOSPHATES		40.0000 UGL	EE
ASB BKG 012987 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 012987 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 012987 TRITIUM		1.6900 PCML	RM
ASB BKG 012987 TRITIUM		1.6800 PCML	RM
ASB BKG 012987 TOXAPHENE	LT	1.0000 UGL	EE
ASB BKG 012987 URANIUM	LT	100.0000 UGL	EE
ASB BKG 012987 URANIUM	LT	100.0000 UGL	EE
ASB BKG 012987 URANIUM	LT	100.0000 UGL	EE
ASB BKG 012987 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 012987 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 012987 2,4-DICHLOROPHENOXYACETIC ACID	LT	20.0000 UGL	EE
ASB BKG 012987 ZINC		11.0000 UGL	EE
ASB BKG 012987 ZINC		9.0000 UGL	EE
ASB BKG 012987 ZINC		6.0000 UGL	EE
ASB BKG 040687 ALUMINUM		43.0000 UGL	EE
ASB BKG 040687 GROSS ALPHA	LT	3.0000 PCL	RM
ASB BKG 040687 ARSENIC	LT	2.0000 UGL	EE
ASB BKG 040687 NONVOLATILE BETA		1.8000 PCL	RM
ASB BKG 040687 BROMODICHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 040687 TRICHLOROFLUOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 040687 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 040687 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 040687 CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB BKG 040687 BROMOFORM	LT	10.0000 UGL	EE
ASB BKG 040687 CHLOROFORM	LT	1.0000 UGL	EE
ASB BKG 040687 CHLOROFORM	LT	1.0000 UGL	EE
ASB BKG 040687 CHLOROFORM	LT	5.0000 UGL	EE
ASB BKG 040687 BROMOMETHANE	LT	10.0000 UGL	EE
ASB BKG 040687 CHLOROMETHANE	LT	10.0000 UGL	EE
ASB BKG 040687 CHLOROBENZENE	LT	5.0000 UGL	EE
ASB BKG 040687 SPECIFIC CONDUCTANCE		22.0000 UMHC	FD
ASB BKG 040687 SPECIFIC CONDUCTANCE		23.5000 UMHC	EE
ASB BKG 040687 SPECIFIC CONDUCTANCE		23.8000 UMHC	EE
ASB BKG 040687 SPECIFIC CONDUCTANCE		23.8000 UMHC	EE
ASB BKG 040687 CHLOROETHENE	LT	10.0000 UGL	EE
ASB BKG 040687 CHLOROETHANE	LT	10.0000 UGL	EE
ASB BKG 040687 BENZENE	LT	5.0000 UGL	EE
ASB BKG 040687 DIBROMOCHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 040687 ENDRIIN	LT	0.1000 UGL	EE
ASB BKG 040687 ETHYLBENZENE	LT	5.0000 UGL	EE
ASB BKG 040687 FECAL COLIFORM	LT	2.0000	DA
ASB BKG 040687 LINDANE	LT	0.0500 UGL	EE
ASB BKG 040687 TOLUENE-D8		106.0000 PER	EE
ASB BKG 040687 TOLUENE	LT	5.0000 UGL	EE
ASB BKG 040687 METHOXYCHLOR	LT	0.5000 UGL	EE
ASB BKG 040687 SODIUM		1750.0000 UGL	EE
ASB BKG 040687 NICKEL	LT	4.0000 UGL	EE
ASB BKG 040687 NITRATE AS NITROGEN		1160.0000 UGL	EE
ASB BKG 040687 LEAD		12.0000 UGL	EE
ASB BKG 040687 P-BROMOFLUOROBENZENE		95.6000 PER	EE
ASB BKG 040687 PH		5.1000 PH	FD
ASB BKG 040687 PH		5.1200 PH	EE

Raw Background Data

ASB BKG 040687 PH		5.0900	PH	EE
ASB BKG 040687 PH		5.0900	PH	EE
ASB BKG 040687 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 040687 SILVEX	LT	0.0900	UGL	EE
ASB BKG 040687 1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 040687 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 040687 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 040687 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		24000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		22000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		20000.0000	UGL	EE
ASB BKG 040687 TOTAL DISSOLVED SOLIDS		30000.0000	UGL	EE
ASB BKG 040687 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 040687 TOTAL RADIUM	LT	1.0000	PCL	RM
ASB BKG 040687 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 040687 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 040687 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 040687 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 040687 TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE
ASB BKG 040687 TURBIDITY	LT	0.1000	TU	EE
ASB BKG 040687 TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 040687 TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 040687 URANIUM	LT	100.0000	UGL	EE
ASB BKG 040687 1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 040687 1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 040687 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 040687 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 040687 1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 040687 1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 040687 1,2-DICHLOROETHANE-D4		99.8000	PER	EE
ASB BKG 040687 1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 040687 1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 040687 CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 040687 TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 040687 2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 040687 2,4-DICHLOROPHENOXYACETIC ACID	LT	0.3000	UGL	EE
ASB BKG 080487 ALUMINUM		66.0000	UGL	EE
ASB BKG 080487 GROSS ALPHA	LT	3.0000	PCL	RM
ASB BKG 080487 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 080487 BARIUM		5.0000	UGL	EE
ASB BKG 080487 NONVOLATILE BETA	LT	2.0000	PCL	RM
ASB BKG 080487 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 080487 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 080487 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 080487 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 080487 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 080487 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 080487 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 080487 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 080487 CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 080487 CHLORIDE		3000.0000	UGL	EE
ASB BKG 080487 CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 080487 SPECIFIC CONDUCTANCE		26.0000	UMHC	FD
ASB BKG 080487 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 080487 COPPER		8.0000	UGL	EE
ASB BKG 080487 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 080487 CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 080487 CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 080487 BENZENE	LT	5.0000	UGL	EE

Raw Background Data

ASB BKG 080487	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	ENDRIN	LT	0.1000	UGL	EE
ASB BKG 080487	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 080487	IRON		32.0000	UGL	EE
ASB BKG 080487	FECAL COLIFORM	LT	2.0000		DA
ASB BKG 080487	LINDANE	LT	0.0500	UGL	EE
ASB BKG 080487	TOLUENE-D8		95.8000	PER	EE
ASB BKG 080487	TOLUENE	LT	5.0000	UGL	EE
ASB BKG 080487	METHOXYCHLOR	LT	0.5000	UGL	EE
ASB BKG 080487	MANGANESE		18.0000	UGL	EE
ASB BKG 080487	SODIUM		1800.0000	UGL	EE
ASB BKG 080487	NICKEL	LT	4.0000	UGL	EE
ASB BKG 080487	NITRATE AS NITROGEN		1310.0000	UGL	EE
ASB BKG 080487	LEAD		8.0000	UGL	EE
ASB BKG 080487	P-BROMOFLUOROBENZENE		106.0000	PER	EE
ASB BKG 080487	PH		5.4000	PH	FD
ASB BKG 080487	PHENOLS	LT	5.0000	UGL	EE
ASB BKG 080487	SELENIUM	LT	2.0000	UGL	EE
ASB BKG 080487	SILVEX	LT	0.0900	UGL	EE
ASB BKG 080487	SULFATE	LT	5000.0000	UGL	EE
ASB BKG 080487	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 080487	TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 080487	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 080487	TOTAL DISSOLVED SOLIDS		56000.0000	UGL	EE
ASB BKG 080487	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 080487	TOTAL RADIUM		0.5000	PCL	RM
ASB BKG 080487	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 080487	TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 080487	TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 080487	TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 080487	TURBIDITY		0.9000	TU	EE
ASB BKG 080487	TOXAPHENE	LT	1.0000	UGL	EE
ASB BKG 080487	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 080487	URANIUM	LT	1000.0000	UGL	EE
ASB BKG 080487	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 080487	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 080487	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 080487	1,2-DICHLOROETHANE-D4		100.0000	PER	EE
ASB BKG 080487	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 080487	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 080487	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 080487	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 080487	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 080487	2,4-DICHLOROPHENOXYACETIC ACID	LT	0.3000	UGL	EE
ASB BKG 080487	ZINC		86.0000	UGL	EE
ASB BKG 090687	SPECIFIC CONDUCTANCE		29.0000	UMHC	FD
ASB BKG 090687	SPECIFIC CONDUCTANCE		21.2000	UMHC	EE
ASB BKG 090687	SPECIFIC CONDUCTANCE		22.3000	UMHC	EE
ASB BKG 090687	SPECIFIC CONDUCTANCE		21.5000	UMHC	EE
ASB BKG 090687	SPECIFIC CONDUCTANCE		21.8000	UMHC	EE
ASB BKG 090687	PH		4.5000	PH	FD
ASB BKG 090687	PH		5.0700	PH	EE
ASB BKG 090687	PH		5.0900	PH	EE
ASB BKG 090687	PH		5.0700	PH	EE
ASB BKG 090687	PH		5.0700	PH	EE
ASB BKG 090687	TOTAL ORGANIC CARBON		17000.0000	UGL	EE
ASB BKG 090687	TOTAL ORGANIC CARBON		2000.0000	UGL	EE
ASB BKG 090687	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 090687	TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 090687	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 090687	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 090687	TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE

Raw Background Data

ASB BKG 090687 TOTAL ORGANIC HALOGENS	LT	5.0000	UGL	EE
ASB BKG 121987 ALUMINUM		79.0000	UGL	EE
ASB BKG 121987 GROSS ALPHA		1.3000	PCL	EE
ASB BKG 121987 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 121987 BARIUM		5.0000	UGL	EE
ASB BKG 121987 NONVOLATILE BETA		3.2000	PCL	EE
ASB BKG 121987 BROMODICHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121987 TRICHLOROFLUOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121987 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 121987 CARBON TETRACHLORIDE	LT	5.0000	UGL	EE
ASB BKG 121987 BROMOFORM	LT	10.0000	UGL	EE
ASB BKG 121987 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 121987 CHLOROFORM	LT	5.0000	UGL	EE
ASB BKG 121987 BROMOMETHANE	LT	10.0000	UGL	EE
ASB BKG 121987 CHLOROMETHANE	LT	10.0000	UGL	EE
ASB BKG 121987 CHLORIDE		2400.0000	UGL	EE
ASB BKG 121987 CHLOROBENZENE	LT	5.0000	UGL	EE
ASB BKG 121987 SPECIFIC CONDUCTANCE		20.0000	UMHC	FD
ASB BKG 121987 SPECIFIC CONDUCTANCE		24.3000	UMHC	EE
ASB BKG 121987 SPECIFIC CONDUCTANCE		23.3000	UMHC	EE
ASB BKG 121987 SPECIFIC CONDUCTANCE		26.7000	UMHC	EE
ASB BKG 121987 SPECIFIC CONDUCTANCE		26.7000	UMHC	EE
ASB BKG 121987 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 121987 COPPER		5.0000	UGL	EE
ASB BKG 121987 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 121987 CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 121987 CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 121987 BENZENE	LT	5.0000	UGL	EE
ASB BKG 121987 DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 121987 ENDRIN	LT	0.1000	UGL	EE
ASB BKG 121987 ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 121987 IRON		40.0000	UGL	EE
ASB BKG 121987 LINDANE	LT	0.0500	UGL	EE
ASB BKG 121987 TOLUENE-D8		99.0000	PER	EE
ASB BKG 121987 TOLUENE	LT	5.0000	UGL	EE
ASB BKG 121987 METHOXYCHLOR	LT	0.5000	UGL	EE
ASB BKG 121987 MANGANESE		15.0000	UGL	EE
ASB BKG 121987 SODIUM		1660.0000	UGL	EE
ASB BKG 121987 NICKEL	LT	4.0000	UGL	EE
ASB BKG 121987 NITRATE AS NITROGEN		1370.0000	UGL	EE
ASB BKG 121987 LEAD		9.0000	UGL	EE
ASB BKG 121987 P-BROMOFLUOROBENZENE		103.0000	PER	EE
ASB BKG 121987 PH		4.6000	PH	FD
ASB BKG 121987 PH		4.4900	PH	EE
ASB BKG 121987 PH		4.8100	PH	EE
ASB BKG 121987 PH		4.7100	PH	EE
ASB BKG 121987 PH		4.7300	PH	EE
ASB BKG 121987 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 121987 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 121987 SILVEX	LT	0.0900	UGL	EE
ASB BKG 121987 TIN	LT	120.0000	UGL	EE
ASB BKG 121987 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 121987 1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 121987 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 121987 TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 121987 TOTAL DISSOLVED SOLIDS		52000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL ORGANIC CARBON	LT	1000.0000	UGL	EE
ASB BKG 121987 TOTAL RADIUM		0.4000	PCL	EE

Raw Background Data

ASB BKG 121987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 121987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 121987 TOTAL ORGANIC HALOGENS	LT	5.0000 UGL	EE
ASB BKG 121987 TOTAL PHOSPHATES		100.0000 UGL	EE
ASB BKG 121987 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 121987 TRICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 121987 TURBIDITY		0.1210 NTU	EE
ASB BKG 121987 TURBIDITY		0.1200 NTU	EE
ASB BKG 121987 TOXAPHENE	LT	1.0000 UGL	EE
ASB BKG 121987 TRANS-1,2-DICHLOROETHENE	LT	5.0000 UGL	EE
ASB BKG 121987 URANIUM	LT	1000.0000 UGL	EE
ASB BKG 121987 1,1-DICHLOROETHYLENE	LT	5.0000 UGL	EE
ASB BKG 121987 1,1-DICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 121987 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 121987 1,1,1-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 121987 1,1,2-TRICHLOROETHANE	LT	5.0000 UGL	EE
ASB BKG 121987 1,2-DICHLOROETHANE-D4		92.0000 PER	EE
ASB BKG 121987 1,2-DICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 121987 1,2-DICHLOROPROPANE	LT	10.0000 UGL	EE
ASB BKG 121987 CIS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 121987 TRANS-1,3-DICHLOROPROPENE	LT	5.0000 UGL	EE
ASB BKG 121987 2-CHLOROETHYL VINYL ETHER	LT	10.0000 UGL	EE
ASB BKG 121987 2,4-DICHLOROPHENOXACETIC ACID	LT	0.3000 UGL	EE
ASB BKG 121987 ZINC		17.0000 UGL	EE
ASB BKG 022488 SILVER	LT	2.0000 UGL	EE
ASB BKG 022488 ALUMINUM		61.0000 UGL	EE
ASB BKG 022488 GROSS ALPHA	LT	3.0000 PCL	EE
ASB BKG 022488 BARIUM		6.0000 UGL	EE
ASB BKG 022488 NONVOLATILE BETA	LT	2.0000 PCL	EE
ASB BKG 022488 CARBON TETRACHLORIDE	LT	1.0000 UGL	EE
ASB BKG 022488 CHLOROFORM	LT	1.0000 UGL	EE
ASB BKG 022488 CHLORIDE		2000.0000 UGL	EE
ASB BKG 022488 SPECIFIC CONDUCTANCE		27.0000 UMHC	FD
ASB BKG 022488 COPPER		6.0000 UGL	EE
ASB BKG 022488 SODIUM		1760.0000 UGL	EE
ASB BKG 022488 NICKEL	LT	4.0000 UGL	EE
ASB BKG 022488 NITRATE AS NITROGEN		1240.0000 UGL	EE
ASB BKG 022488 LEAD		8.0000 UGL	EE
ASB BKG 022488 PH		4.9000 PH	FD
ASB BKG 022488 PHENOLS	LT	5.0000 UGL	EE
ASB BKG 022488 TIN		180.0000 UGL	EE
ASB BKG 022488 TIN		250.0000 UGL	EE
ASB BKG 022488 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 022488 TOTAL DISSOLVED SOLIDS		18000.0000 UGL	EE
ASB BKG 022488 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 022488 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 022488 TOTAL RADIUM	LT	1.0000 PCL	EE
ASB BKG 022488 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 022488 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 051188 SILVER	LT	2.0000 UGL	EE
ASB BKG 051188 ALUMINUM		314.0000 UGL	EE
ASB BKG 051188 ARSENIC	LT	2.0000 UGL	EE
ASB BKG 051188 BARIUM	LT	4.0000 UGL	EE
ASB BKG 051188 BROMODICHLOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 051188 TRICHLOROFLUOROMETHANE	LT	5.0000 UGL	EE
ASB BKG 051188 CARBON TETRACHLORIDE	LT	5.0000 UGL	EE
ASB BKG 051188 CADMIUM	LT	2.0000 UGL	EE
ASB BKG 051188 BROMOFORM	LT	10.0000 UGL	EE
ASB BKG 051188 CHLOROFORM	LT	5.0000 UGL	EE
ASB BKG 051188 BROMOMETHANE	LT	10.0000 UGL	EE
ASB BKG 051188 CHLOROMETHANE	LT	10.0000 UGL	EE
ASB BKG 051188 CHLORIDE		2000.0000 UGL	EE
ASB BKG 051188 CHLOROBENZENE	LT	5.0000 UGL	EE
ASB BKG 051188 SPECIFIC CONDUCTANCE		24.0000 UMHC	FD

Raw Background Data

ASB BKG 051188	SPECIFIC CONDUCTANCE		21.3000	UMHC	EE
ASB BKG 051188	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 051188	COPPER		5.0000	UGL	EE
ASB BKG 051188	CYANIDE	LT	5.0000	UGL	EE
ASB BKG 051188	CHLOROETHENE	LT	10.0000	UGL	EE
ASB BKG 051188	CHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 051188	BENZENE	LT	5.0000	UGL	EE
ASB BKG 051188	DIBROMOCHLOROMETHANE	LT	5.0000	UGL	EE
ASB BKG 051188	ETHYLBENZENE	LT	5.0000	UGL	EE
ASB BKG 051188	MERCURY	LT	0.2000	UGL	EE
ASB BKG 051188	TOLUENE-D8		101.0000	PER	EE
ASB BKG 051188	TOLUENE	LT	5.0000	UGL	EE
ASB BKG 051188	SODIUM		1680.0000	UGL	EE
ASB BKG 051188	NICKEL	LT	4.0000	UGL	EE
ASB BKG 051188	NITRATE AS NITROGEN		880.0000	UGL	EE
ASB BKG 051188	LEAD		9.0000	UGL	EE
ASB BKG 051188	P-BROMOFLUOROBENZENE		98.0000	PER	EE
ASB BKG 051188	PH		4.8000	PH	FD
ASB BKG 051188	PH		4.8600	PH	EE
ASB BKG 051188	PHENOLS	LT	5.0000	UGL	EE
ASB BKG 051188	SELENIUM	LT	2.0000	UGL	EE
ASB BKG 051188	TIN	LT	120.0000	UGL	EE
ASB BKG 051188	TIN	LT	120.0000	UGL	EE
ASB BKG 051188	SULFATE	LT	5000.0000	UGL	EE
ASB BKG 051188	1,1,2,2-TETRACHLOROETHANE	LT	10.0000	UGL	EE
ASB BKG 051188	TETRACHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 051188	TOTAL DISSOLVED SOLIDS		26000.0000	UGL	EE
ASB BKG 051188	TOTAL RADIUM	LT	1.0000	PCL	EE
ASB BKG 051188	TOTAL RADIUM	LT	1.0000	PCL	EE
ASB BKG 051188	TOTAL PHOSPHATES		40.0000	UGL	EE
ASB BKG 051188	TRICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 051188	TRANS-1,2-DICHLOROETHENE	LT	5.0000	UGL	EE
ASB BKG 051188	URANIUM	LT	1000.0000	UGL	EE
ASB BKG 051188	1,1-DICHLOROETHYLENE	LT	5.0000	UGL	EE
ASB BKG 051188	1,1-DICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 051188	1,1,1-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 051188	1,1,2-TRICHLOROETHANE	LT	5.0000	UGL	EE
ASB BKG 051188	1,2-DICHLOROETHANE-D4		94.0000	PER	EE
ASB BKG 051188	1,2-DICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 051188	1,2-DICHLOROPROPANE	LT	10.0000	UGL	EE
ASB BKG 051188	CIS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 051188	TRANS-1,3-DICHLOROPROPENE	LT	5.0000	UGL	EE
ASB BKG 051188	2-CHLOROETHYL VINYL ETHER	LT	10.0000	UGL	EE
ASB BKG 051188	ZINC		11.0000	UGL	EE
ASB BKG 081388	SILVER	LT	2.0000	UGL	EE
ASB BKG 081388	ALUMINUM		42.0000	UGL	EE
ASB BKG 081388	ARSENIC	LT	2.0000	UGL	EE
ASB BKG 081388	BARIUM	LT	4.0000	UGL	EE
ASB BKG 081388	CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 081388	CADMIUM	LT	2.0000	UGL	EE
ASB BKG 081388	CHLOROPFORM	LT	1.0000	UGL	EE
ASB BKG 081388	CHLORIDE		2400.0000	UGL	EE
ASB BKG 081388	SPECIFIC CONDUCTANCE		25.0000	UMHC	FD
ASB BKG 081388	CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 081388	COPPER	LT	4.0000	UGL	EE
ASB BKG 081388	CYANIDE	LT	5.0000	UGL	EE
ASB BKG 081388	MERCURY	LT	0.2000	UGL	EE
ASB BKG 081388	MANGANESE		13.0000	UGL	EE
ASB BKG 081388	SODIUM		1630.0000	UGL	EE
ASB BKG 081388	NICKEL	LT	4.0000	UGL	EE
ASB BKG 081388	NITRATE AS NITROGEN		1080.0000	UGL	EE
ASB BKG 081388	LEAD	LT	6.0000	UGL	EE
ASB BKG 081388	PH		4.6000	PH	FD
ASB BKG 081388	PHENOLS	LT	5.0000	UGL	EE

Raw Background Data

ASB BKG 081388 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 081388 TIN	LT	120.0000	UGL	EE
ASB BKG 081388 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 081388 TETRACHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 081388 TOTAL DISSOLVED SOLIDS		28000.0000	UGL	EE
ASB BKG 081388 TOTAL RADIUM		0.5500	PCL	EE
ASB BKG 081388 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 081388 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 081388 TRICHLOROETHYLENE	LT	1.0000	UGL	EE
ASB BKG 081388 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 081388 1,1,1-TRICHLOROETHANE	LT	1.0000	UGL	EE
ASB BKG 081388 ZINC		49.0000	UGL	EE
ASB BKG 102888 SILVER	LT	2.0000	UGL	EE
ASB BKG 102888 ALUMINUM		50.0000	UGL	EE
ASB BKG 102888 ALUMINUM		52.0000	UGL	EE
ASB BKG 102888 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 102888 BARIUM		4.0000	UGL	EE
ASB BKG 102888 BARIUM		4.0000	UGL	EE
ASB BKG 102888 CADMIUM	LT	2.0000	UGL	EE
ASB BKG 102888 CADMIUM	LT	2.0000	UGL	EE
ASB BKG 102888 CHLORIDE		2100.0000	UGL	EE
ASB BKG 102888 SPECIFIC CONDUCTANCE		25.0000	UMHC	FD
ASB BKG 102888 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 102888 CHROMIUM	LT	4.0000	UGL	EE
ASB BKG 102888 COPPER		5.0000	UGL	EE
ASB BKG 102888 COPPER		5.0000	UGL	EE
ASB BKG 102888 CYANIDE	LT	5.0000	UGL	EE
ASB BKG 102888 MERCURY	LT	0.2000	UGL	EE
ASB BKG 102888 SODIUM		1720.0000	UGL	EE
ASB BKG 102888 SODIUM		1740.0000	UGL	EE
ASB BKG 102888 NICKEL	LT	4.0000	UGL	EE
ASB BKG 102888 NICKEL	LT	4.0000	UGL	EE
ASB BKG 102888 NITRATE AS NITROGEN		1210.0000	UGL	EE
ASB BKG 102888 NITRATE AS NITROGEN		1210.0000	UGL	EE
ASB BKG 102888 LEAD		10.0000	UGL	EE
ASB BKG 102888 LEAD		9.0000	UGL	EE
ASB BKG 102888 PH		4.6000	PH	FD
ASB BKG 102888 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 102888 PHENOLS	LT	5.0000	UGL	EE
ASB BKG 102888 SELENIUM	LT	2.0000	UGL	EE
ASB BKG 102888 SULFATE	LT	5000.0000	UGL	EE
ASB BKG 102888 TOTAL DISSOLVED SOLIDS		112000.0000	UGL	EE
ASB BKG 102888 TOTAL RADIUM	LT	1.0000	PCL	RM
ASB BKG 102888 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 102888 TOTAL PHOSPHATES	LT	20.0000	UGL	EE
ASB BKG 102888 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 102888 URANIUM	LT	1000.0000	UGL	EE
ASB BKG 102888 ZINC		42.0000	UGL	EE
ASB BKG 102888 ZINC		46.0000	UGL	EE
ASB BKG 020789 SILVER	LT	2.0000	UGL	EE
ASB BKG 020789 ALUMINUM		80.0000	UGL	EE
ASB BKG 020789 GROSS ALPHA	LT	3.0000	PCL	RM
ASB BKG 020789 ARSENIC	LT	2.0000	UGL	EE
ASB BKG 020789 BARIUM		5.0000	UGL	EE
ASB BKG 020789 NONVOLATILE BETA		1.0700	PCL	RM
ASB BKG 020789 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 020789 CARBON TETRACHLORIDE	LT	1.0000	UGL	EE
ASB BKG 020789 CADMIUM	LT	2.0000	UGL	EE
ASB BKG 020789 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 020789 CHLOROFORM	LT	1.0000	UGL	EE
ASB BKG 020789 CHLOROFORM	LT	1.0000	UGL	MA
ASB BKG 020789 CHLORIDE		2200.0000	UGL	EE
ASB BKG 020789 SPECIFIC CONDUCTANCE		28.0000	UMHC	FD
ASB BKG 020789 SPECIFIC CONDUCTANCE		22.5000	UMHC	EE

Raw Background Data

ASB BKG 020789 CHROMIUM	LT	4.0000 UGL	EE
ASB BKG 020789 COPPER		11.0000 UGL	EE
ASB BKG 020789 CYANIDE	LT	5.0000 UGL	EE
ASB BKG 020789 MERCURY	LT	0.2000 UGL	EE
ASB BKG 020789 MANGANESE		17.0000 UGL	EE
ASB BKG 020789 SODIUM		1740.0000 UGL	EE
ASB BKG 020789 NICKEL		20.0000 UGL	EE
ASB BKG 020789 NITRATE AS NITROGEN		997.0000 UGL	EE
ASB BKG 020789 NITRATE AS NITROGEN		999.0000 UGL	EE
ASB BKG 020789 LEAD		20.0000 UGL	EE
ASB BKG 020789 PH		4.5000 PH	FD
ASB BKG 020789 PH		4.7100 PH	EE
ASB BKG 020789 PHENOLS	LT	5.0000 UGL	EE
ASB BKG 020789 SELENIUM	LT	2.0000 UGL	EE
ASB BKG 020789 TIN	LT	120.0000 UGL	EE
ASB BKG 020789 SULFATE	LT	5000.0000 UGL	EE
ASB BKG 020789 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 020789 TETRACHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 020789 TETRACHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 020789 TOTAL DISSOLVED SOLIDS	LT	5000.0000 UGL	EE
ASB BKG 020789 TOTAL DISSOLVED SOLIDS	LT	5000.0000 UGL	EE
ASB BKG 020789 TOTAL ORGANIC CARBON	LT	1000.0000 UGL	EE
ASB BKG 020789 TOTAL RADIUM		0.7300 PCL	RM
ASB BKG 020789 TOTAL PHOSPHATES	LT	20.0000 UGL	EE
ASB BKG 020789 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 020789 TRICHLOROETHYLENE	LT	1.0000 UGL	EE
ASB BKG 020789 TRICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 020789 TRANS-1,2-DICHLOROETHENE	LT	1.0000 UGL	MA
ASB BKG 020789 URANIUM	LT	1000.0000 UGL	EE
ASB BKG 020789 1,1-DICHLOROETHYLENE	LT	1.0000 UGL	MA
ASB BKG 020789 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 020789 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	EE
ASB BKG 020789 1,1,1-TRICHLOROETHANE	LT	1.0000 UGL	MA
ASB BKG 020789 ZINC		17.0000 UGL	EE

APPENDIX C

CONSTRUCTION DETAILS FOR SRL SEEPAGE BASIN GROUNDWATER MONITORING WELLS

Construction Details for SRL Seepage Basin Monitoring Wells

Well ID	SRP North Coord.	SRP East Coord.	Install Date	Top of Casing Elev.	Top of Screen Elev.	Screen Length	Casing Material	Screen Material	Drilling Method
ASB 1A	105535.0	52614.0	1/5/84	349.1	247.2	30.0	PVC	PVC	Mud Rotary
ASB 2A	105608.8	52856.9	12/30/83	349.0	246.9	30.0	PVC	PVC	Mud Rotary
ASB 3A	105657.4	53152.7	10/13/81	345.0	247.9	30.0	PVC	PVC	Mud Rotary
ASB 4	105935.7	53177.2	8/20/81	335.6	256.1	30.0	PVC	PVC	Mud Rotary
ASB 5A	105885.5	52865.7	2/13/84	345.0	247.9	30.0	PVC	PVC	Mud Rotary
ASB 6A	105716.0	52675.9	2/20/84	350.2	248.2	30.0	PVC	PVC	Mud Rotary

ASB 1A

DRILLING REQUEST

NAME E. W. Rabon ORGANIZATION HP
LOCATION ~~773-A~~ PHONE 1854
735-A

IDENTIFICATION

Well Number A-1 Redrill 700
Area ~~303~~-A seepage basin
Coordinates N 105,535.00 E 52,613.28
Ground Elevation 347.15 Permits WCP

WELL HOLE DATA

Condition of Well _____ Drill Date 12/27/83
Well Driller Law (James) Depth of Well 130' Barehole Diameter
Drilling Method Hydraulic & Rotary Geologic Formation at
Bottom Clay
Mud Type: _____ Native Clay ☒ Bentonite
Sampling: _____ Auger _____ Ditch _____ Cores No samples

WELL CASING DATA

Casing Type PVC Flush Threaded Length of Casing (below ground) 100'
Diameter of Casing 4" Elevation at Top of Casing 349.14
Type of Grout Cement Placement pumped from bottom up

FINISH TYPE DATA

Type of Screen pvc flush threaded Screening Size .018"
Bottom Closure: pvc plug ~~Cast Concrete~~ _____ Poured Concrete Plug
Setting: ☒ Bottom Hole Placement _____ Washed Down
_____ Casing and Packer Placement

FINISH ZONE DATA

Geologic Formation Screened ND
Number of Finish Zones in Formation ND
Depth to Top of Uppermost Zone ND
Depth to Bottom of Last Zone ND

FINISH PACKING DATA

Packing Used pea gravel, sand Method of Packing poured from

Depth to Top of Packing _____ Depth to Bottom of Packing _____

Materials Used: 34 Sacks Cement 3 Sacks Sand

32 Gallons ~~Jack Chips~~
bags pea gravel

WATER LEVEL DATA

Measuring Point: ☒ Top of Casing _____ Ground Level
_____ Other (If other, elevation of measuring point _____)

Water Level 106' Date of Measurement 2/24/84

DEVELOPMENT DATA

Development blow with air, surge with water

Length of Time Developed 15 Hrs.

TEST YIELD DATA

Date Tested NONE Length of Time Tested NONE Test Yield NONE

Test Drawdown NONE Pump Type NONE

PRODUCTION YIELD DATA

Production Yield _____ Drawdown _____ Pump Type _____

LOCATION OF OTHER FILES

Driller's Log Env. Col. & Envirodone Geophysical Log _____

Physical Core _____ Cutting Samples _____

Water Level Observations E.C. Dissolved Solids Analysis _____

Dissolved Gasses Analysis _____ Radionuclide Analysis E.C.

Engineering Drawing _____ Engineering Drawing Number _____

Drilled by: James T. Han secwd # 3

Developed by: Billy Hester secwd # 16

Tech. oversight By: W. H. Hester secwd # 32

ASB 2A

DRILLING REQUEST

Re-drill

NAME E. W. Raben ORGANIZATION HPLOCATION ~~733-A~~ PHONE 1854
735-A

IDENTIFICATION

Well Number A-2 Arch ~~733-A~~ 700-A seepage basinCoordinates N 125,608.76 E 52,856.93Ground Elevation 346.98 Permits WCP

WELL HOLE DATA

Condition of Well _____ Drill Date 12-27-83Well Driller Law (James) Depth of Well 130' Borehole Diameter _____Drilling Method Hydraulic & Rotary Geologic Formation at Bottom clayMud Type: _____ Native Clay ☒ BentoniteSampling: _____ Auger _____ Ditch _____ Cores No Samples

WELL CASING DATA

Casing Type PVC flush threaded Length of Casing (below ground) 100Diameter of Casing 4" Elevation at Top of Casing _____Type of Grout Cement Placement pumped from bottom up

FINISH TYPE DATA

Type of Screen pvc flush threaded Opening Size .018"Bottom Closure: pvc plug ~~Cast Concrete~~ _____ Poured Concrete PlugSetting: ☒ Bottom Hole Placement _____ Washed Down

_____ Casing and Packer Placement

FINISH ZONE DATA

Geologic Formation Screened NONumber of Finish Zones in Formation NODepth to Top of Uppermost Zone NODepth to Bottom of Last Zone NO

WORK CLEARANCE PERMIT

SAFETY MANUAL REFERENCE	The Work Clearance Permit provides detail on the safety requirements of specific jobs and a written authorization to begin work. (Safety Manual Item 32 describes its use)		SAFETY ANALYSIS REQUIREMENT
	TYPE OF ACTIVITY		
23	<input type="checkbox"/> Vessel Entry (Attach OSR 20-15)		1, 2, 5, 6, 7, 8, 15
25	<input type="checkbox"/> Welding and Flame (Use this Form)		1, 2, 3, 4, 5, 7, 15
26	<input type="checkbox"/> Operation of Equipment Near Overhead Power Lines (Use this Form)		5, 7, 8, 9, 10, 11, 12, 15, 16
27	<input checked="" type="checkbox"/> Excavation or Structure Alteration (Use this Form)		1, 5, 7, 8, 15
27 -	<input type="checkbox"/> Railroad or Plant Roadway Clearance (Use this Form)		1, 14, 15
	<input checked="" type="checkbox"/> Other <u>Drilling</u>		

PERMIT TO DO THE FOLLOWING WORK

Drill And Install Two (2) Monitoring Wells At
773-A Seepage Basin

Site 420-21 SW 77-88-6

SAFETY ANALYSIS REQUIREMENTS

<input checked="" type="checkbox"/> 1. Area Roped Off and Posted with Warning Signs <input type="checkbox"/> 2. Standby Fire Extinguisher - Type _____ <input type="checkbox"/> 3. Fireproof Curtains <input type="checkbox"/> 4. Plastic Hut (Self Extinguishing Material) <input type="checkbox"/> 5. Testing as Indicated Below <input type="checkbox"/> 6. Lines Drained and Depressurized <input type="checkbox"/> 7. Lock, Tag and Try Procedure <input type="checkbox"/> 8. Power Source Deenergized	<input type="checkbox"/> 9. E&I Representative Present <input type="checkbox"/> 10. Crane Properly Positioned <input type="checkbox"/> 11. Electrical Grounding <input checked="" type="checkbox"/> 12. 20' Clearance from Electric Lines <input type="checkbox"/> 13. Non-conducting Tag Lines <input type="checkbox"/> 14. Signalman <input type="checkbox"/> 15. Other Special Requirements _____	SPECIAL PROTECTIVE EQUIPMENT (SPECIFY TYPE) <input type="checkbox"/> Respiratory Protection <input type="checkbox"/> Eye or Face Protection <input type="checkbox"/> Protective Clothing <u>Leather Boots</u> <u>And Hard Hat</u>
--	--	---

TESTS REQUIRED	FREQUENCY		INITIAL RESULT		SERVICING SUPERVISOR IN CHARGE OF WORK
<input type="checkbox"/> Oxygen					
<input type="checkbox"/> Explosibility					
<input type="checkbox"/> Health Physics Monitoring					
<input type="checkbox"/> Other _____					

APPROVALS (ENTER NAME WHEN APPROVAL NOT REQUIRED)	CUSTODIAN <u>S. J. [Signature]</u> POWER <u>H. V. [Signature]</u>	MAINTENANCE <u>[Signature]</u> PATROL <u>[Signature]</u>	SECURITY <u>[Signature]</u> <u>[Signature]</u>	T&T <u>[Signature]</u> PROJECT <u>[Signature]</u>	HEALTH PHYSICS <u>[Signature]</u> FIRE PROTECTION <u>[Signature]</u>
--	--	---	--	--	---

ALL PERSONNEL WORKING ON THIS ASSIGNMENT SHALL READ THIS ANALYSIS AND INITIAL BELOW IF THEY CONCUR THAT THE SAFETY REQUIREMENTS HAVE BEEN COMPLETED.

NAME	DEPARTMENT	NAME	DEPARTMENT	NAME	DEPARTMENT	NAME	DEPARTMENT
<u>[Signature]</u>		<u>[Signature]</u>		<u>[Signature]</u>			
<u>[Signature]</u>		<u>[Signature]</u>					
<u>[Signature]</u>		<u>[Signature]</u>					

WORK CLEARANCE AUTHORIZATION

WORK REQUEST NUMBER

RENEWAL FREQUENCY	CUSTODIAN REPRESENTATIVE		DATE SHIFT SERVICE REPRESENTATIVE		DATE SHIFT		CUSTODIAN REPRESENTATIVE		DATE SHIFT SERVICE REPRESENTATIVE		DATE SHIFT	
SHIFT												
DAILY												
OTHER												

NOTE: WORK CLEARANCE PERMIT MUST BE APPROVED PRIOR TO START OF WORK

WELL DRILLING

FIELD ACTIVITIES LOG

DATE	ACTIVITY	TIME		WELL I.D. #	REMARKS	INIT.
		START	FINISH			
12-27-83	Preparing Site -	1200	1240			
	Obtaining Supplies -					
	1) Casing; Screen					ml
	2) Bentonite; cement					
	3) Gravel & Sand					
	4) Water					
	Setting-up Equipment-	1230	100			
	1) Well Rig	1230	1240			
	2) Pump, compressor					
	3) Layout of Rods	1240	1255			
	Drilling Hole -					
	1) Starting	1:15				
	2) Depth ^{END of Day} (Lunch 25 ft.)		400			
12/28/83	3) ^{Started} Depth Complete ft)	11:30 AM	90' 400	rain & lightning all morning		ml
	4) Washing Out Hole					
12/29/83	5) Remove Drill Rods	12:30	1:15			
	Setting Screen/Casing	1:10	1:50			
	1) Trimmer Pipe	1:55	2:15			
	2) Gravel Pack	2:30	3:50			
	3) Wash	3:00	3:45			
	4) Sand	3:50	4:00			ml
12/30/83	5) Grout	8:00	11:00			
	(6) Cleaning Equipment	11:30	11:50			
	Cleaning Site	12:00	1:15			ml

A-2 seepage BASIN INIT.

FINISH PACKING DATA

Packing Used pea gravel & sand Method of Packing paired from
Depth to Top of Packing _____ Depth to Bottom of Packing _____
Materials Used: 30 Sacks Cement 3 Sacks Sand
26 ~~Gallons Jack Chipp~~
bags pea gravel

WATER LEVEL DATA

Measuring Point: ✓ Top of Casing _____ Ground Level
_____ Other (If other, elevation of measuring point _____)
Water Level 107' Date of Measurement 2/24/84

DEVELOPMENT DATA

Development blow with air, surge with water
Length of Time Developed 10 hrs

TEST YIELD DATA

Date Tested NONE Length of Time Tested NONE Test Yield NONE
Test Drawdown NONE Pump Type NONE

PRODUCTION YIELD DATA

Production Yield _____ Drawdown _____ Pump Type _____

LOCATION OF OTHER FILES

Driller's Log Env. Col. & Enrichment Geophysical Log _____
Physical Core _____ Cutting Samples _____
Water Level Observations E.C. Dissolved Solids Analysis _____
Dissolved Gasses Analysis _____ Radionuclide Analysis E.C.
Engineering Drawing _____ Engineering Drawing Number _____
Drilled By: Sam T. Hume 3 SCWD# 314
Developed by: Riley Hunter 14 SCWD# 14
Tech. oversight By: Robt. Hume 320 SCWD# 320



ENVIRODYNE ENGINEERS INC.

WELL CONSTRUCTION DETAILS

Date of Installation 12/28/83

Job No. _____
Time Started 12-27-83

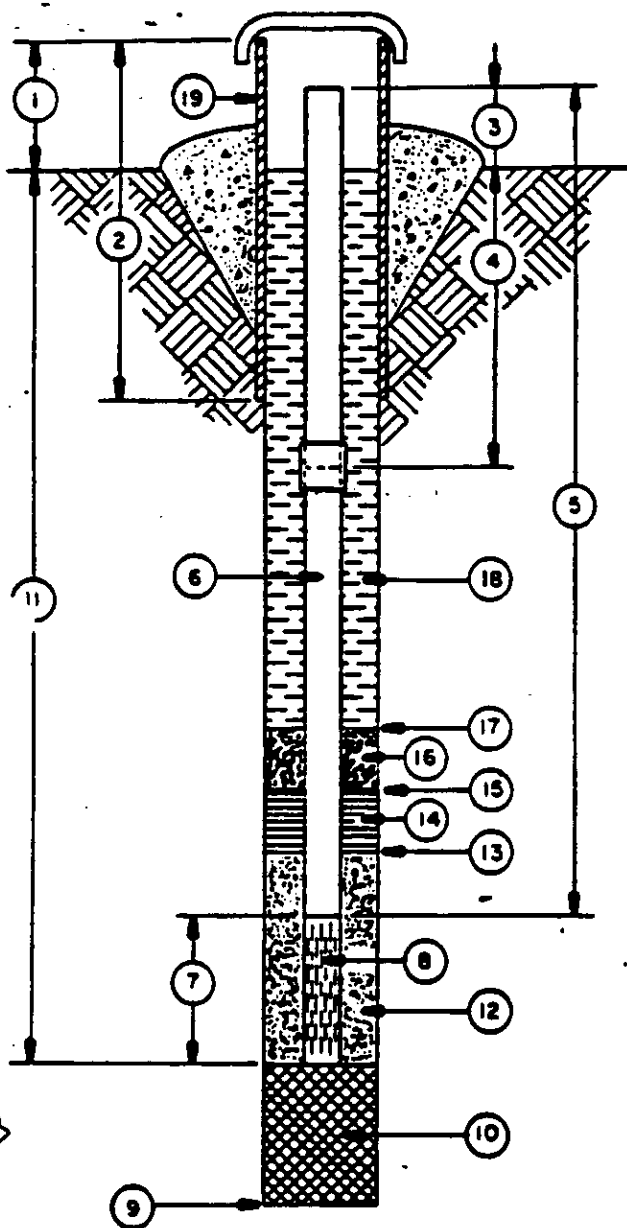
Boring No. A-2 redrill

Time Completed 12/29/83

Ground Surface Elev. _____

2:00

All depth measurements of well detail are from ground surface unless otherwise indicated.



- ① Height of Protective Casing Above Ground N/A
- ② Total Length of Protective Casing N/A
- ③ Height of Standpipe Above Ground 2'
- ④ Depth to First Coupling 20' 20' 20' 20' 20' 10'
Coupling Interval 20', 20', 20', 20', 20', 10'
- ⑤ Total Length of Blank Pipe 100'
- ⑥ Type of Blank Pipe sch 20 PVC 4"
- ⑦ Length of Screen 30'
- ⑧ Type of Screen slotted PVC 4" 0.08"
- ⑨ Total Depth of Boring 130' Hole Diam. 10"
- ⑩ Type of Material clay & sand
- ⑪ Depth to Bottom of Screen 130'
- ⑫ Type of Screen Filter pea gravel
Quantity Used 26 bags
- ⑬ Depth to Top of Filter 95'
- ⑭ Type of Seal white sand
Quantity Used 3 bags
- ⑮ Depth to Top of Seal 90'
- ⑯ Type of Seal Weight N/A
Quantity Used N/A
- ⑰ Depth to Top of Seal Weight N/A
- ⑱ Type of Grout Cement
Grout Mixture Cement & water
- ⑲ Type of Protective Casing N/A
Concrete Collar Mixture Cement & water

Remarks:

ASB 3A

10-1-81

DRILLING REQUEST

REQUESTOR

NAME: DI AOSSORGANIZATION: HEALTH PROTECTIONLOCATION: 735-APHONE: 2242

WELL

WELL NUMBER: 700-A SB #3 REDRILLCOORDINATES OR LOCATION: N-105,712.4 E-52,989.0PATROL INDEX = B-13 ELEVATION = 348.21PERMITS: YES Not Required Work Clearance N/A Site Clearance YES SR88
(OSR-20-103)BOREHOLE DIAMETER: 2" 4" 6" 8" 10"DEPTH: 125'DRILLING METHOD: Auger Hydraulic Rotary Drive HammerMUD TYPE: Native Clay BentoniteSAMPLING: Auger Ditch CoresFREQUENCY: Continuous 5' Foot IntervalsSCREEN TYPE: PVC Diameter: 4" Length: 30'BOTTOM CLOSURE: Cast Concrete Plug Poured Concrete Plug PVC (SCREWED)SETTING: Bottom Hole Placement Washed DownCasing and Packer Placement.FINISH: None 3' ABOVE SCREEN Gravel Pack 2' ABOVE GRAVEL Sand Pack IntervalCASING TYPE: PVC Diameter: 4" Length: 95'Above Ground: 2' Cover: GROUT: Neat 1/3 SandPlacement: 7-8' ABOVE SAND BOTTOM TO TOP
Grout Pipe From Top

DEVELOPMENT: ☐ Not Required ☐ Surge and Pump

☒ Air Sparge ☒ Water Sparge

Surging Period(s) 1 HR + 50 MIN. ON 10-16-81

Pumping Period(s) _____

FINISH: ☐ Not Required ☐ Yellow Paint ☐ Fence

☒ Guard Posts

CREW ASSIGNED: _____

MATERIALS USED: 46 Sacks Cement 1 Sacks Sand 33 ^{FT PEO GRAVEL} ~~Gallons Rock Chips~~

REMARKS: H₂O TABLE = 94.0' ON 10-13-81



ENVIRODYNE ENGINEERS INC.

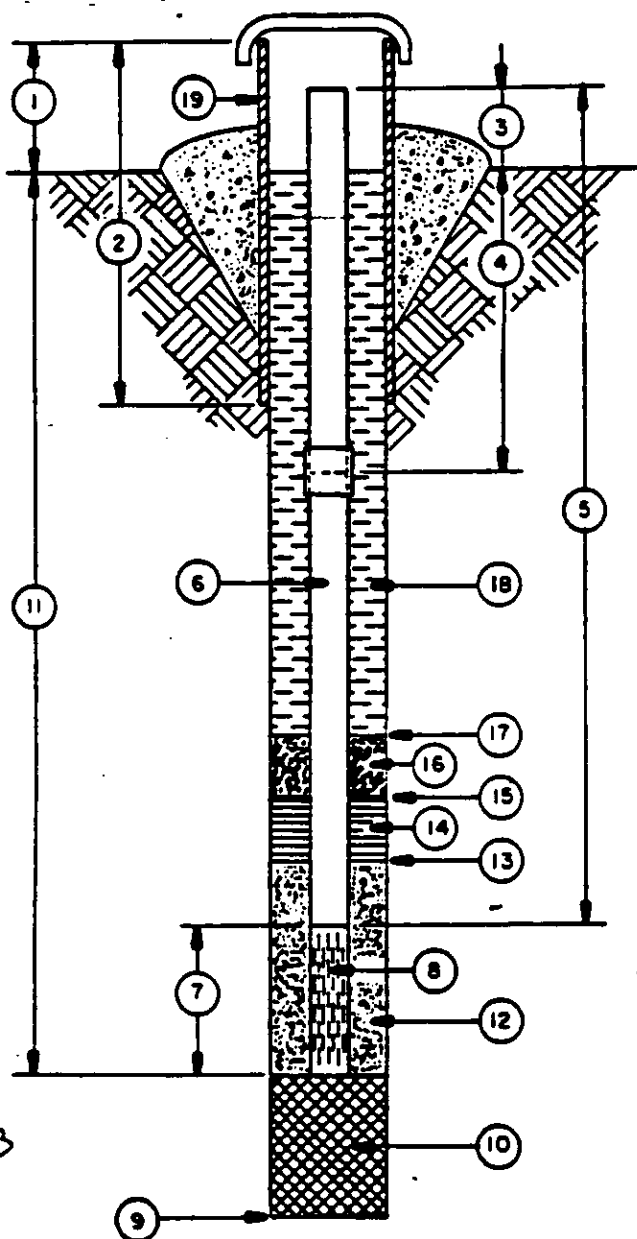
WELL CONSTRUCTION DETAILS

Date of Installation 1/4/84
Ground Surface Elev. _____

Job No. _____
Time Started 1/7/84
8: AM

Boring No. A-1 7000 SB
Time Completed 1/5/84

All depth measurements of well detail are from ground surface unless otherwise indicated.



- ① Height of Protective Casing Above Ground N/A
- ② Total Length of Protective Casing N/A
- ③ Height of Standpipe Above Ground 2'
- ④ Depth to First Coupling 20, 20
Coupling Interval 20' 20' 20' 20' 20' 20'
- ⑤ Total Length of Blank Pipe 102'
- ⑥ Type of Blank Pipe sch 40 PVC 4"
- ⑦ Length of Screen 30'
- ⑧ Type of Screen slotted PVC 4" .018
- ⑨ Total Depth of Boring 130' Hole Diam. 10"
- ⑩ Type of Material clay - SAND
- ⑪ Depth to Bottom of Screen 130'
- ⑫ Type of Screen Filter per gravel
Quantity Used 32 bags
- ⑬ Depth to Top of Filter 95'
- ⑭ Type of Seal white SAND
Quantity Used 3 bags
- ⑮ Depth to Top of Seal 91'
- ⑯ Type of Seal Weight N/A
Quantity Used N/A
- ⑰ Depth to Top of Seal Weight N/A
- ⑱ Type of Grout Cement
Grout Mixture Cement & water
- ⑲ Type of Protective Casing N/A
Concrete Collar Mixture Cement & water

Remarks:

WELL DRILLING

FIELD ACTIVITIES LOG

DATE	ACTIVITY	TIME		WELL I.D. # <i>A-1 7005B</i>	REMARKS	INIT.
		START	FINISH			
	Preparing Site -					
<i>12/30/83</i>	Obtaining Supplies - 1) Casing; Screen				<i>Already have supplies</i>	
	2) Bentonite; cement					
	3) Gravel & Sand					
	4) Water					
<i>11/30/83</i>	Setting-up Equipment-					
	1) Well Rig	<i>1:00</i>	<i>1:45</i>			
	2) Pump, compressor					
	3) Layout of Rods	<i>1:50</i>	<i>2:20</i>			
	Drilling Hole -					
<i>11/2/84</i>	1) Starting	<i>8:00</i>				
	2) Depth (Lunch - ft.)	<i>60'</i>	<i>12:00</i>			
<i>12/4/84</i>	3) Depth(Complete ft)	<i>1:20</i>	<i>1:30'</i>			
	4) Washing Out Hole	<i>1:20</i>	<i>1:40</i>			
	5) Remove Drill Rods	<i>1:45</i>	<i>2:10</i>			
	Setting Screen/Casing	<i>2:15</i>	<i>2:30</i>			
	1) Trimmer Pipe	<i>2:40</i>	<i>3:05</i>			
	2) Gravel Pack	<i>3:10</i>	<i>3:40</i>			
	3) Wash	<i>3:40</i>	<i>4:00</i>			<i>mlw</i>
<i>12/5/84</i>	4) Sand	<i>9:00</i>	<i>9:30</i>			
	5) Grout	<i>9:30</i>	<i>11:00</i>			
	(6) Cleaning Equipment	<i>11:00</i>	<i>11:30</i>			<i>mlw</i>
	Cleaning Site					

ASB 4

8-19-81

DRILLING REQUEST

REQUESTOR

NAME: D.J. RossORGANIZATION: Health ProtectionLOCATION: 735-APHONE: 2242

WELL

WELL NUMBER: 700-A S.B. Well #4COORDINATES OR LOCATION: N-105,840.8 E-53,109.9PATAOL INDEX = B-13PERMITS: Not Required Work Clearance NA Site Clearance Yes SR88
(OSR-20-103)BOREHOLE DIAMETER: 2" 4" 6" ✓ 8 1/2"DEPTH: 107'DRILLING METHOD: Auger ✓ Hydraulic Rotary Drive HammerMUD TYPE: Native Clay ✓ BentoniteSAMPLING: Auger ✓ Ditch CoresFREQUENCY: Continuous 5' Foot IntervalsSCREEN TYPE: PVC Diameter: 4" Length: 30'BOTTOM CLOSURE: Cast Concrete Plug Poured Concrete Plug PVC (Screwed)SETTING: ✓ Bottom Hole Placement Washed DownCasing and Packer Placement.FINISH: None 3 1/2' Gravel Pack 2' Sand Pack IntervalCASING TYPE: PVC Diameter: 4" Length: 77'Above Ground: 30" Cover: GROUT: Neat 1/3 Sand From bottom to topPlacement: 7-8' Grout Pipe From Top

DEVELOPMENT: ☐ Not Required ☐ Surge and Pump

☒ Air Sparge ☒ Water Sparge

Surging Period(s) 3 Hrs.

Pumping Period(s) 1 Hr.

FINISH: ☐ Not Required ☐ Yellow Paint ☐ Fence

☒ Guard Posts

CREW ASSIGNED: D. Appa Lonia

MATERIALS USED: 28 Sacks Cement 2 Sacks Sand 1 ⁴⁰⁰ Gallons Rock Chips

REMARKS: H₂O TABLE = 85.0' ON 8-27-81

1) To be pumped Later

2) H₂O Table after developing on 8/27/81 = 91'

DRILLERS TEST BORING RECORD

700-A 9-B FF4

Job No. 100-1000 Sheet 1 of 1
ALABAMA POWER CO.
PLANT
CAROLINA
 Started 8/10/91 Completed 8/20/91

[illegible]

D'APPOLONIA DRILLING, INC.

ddi

Date 8/1/11 Rig Number J-75 RIG Time Started 8:00 AM
 Location W. 1/2 Sec 10, T. 12 N., R. 10 E., S. 10 Project No. 81-895 Time Finished 6:00 PM

PAY ITEMS: Soil Soil Soil Soil Shelby Rock (ft) Other

Boring No.	5 ft.	3 ft.	Cont.	No Sample	Tube	Show R=Rec NR= No Rec	
700-AS B #4				114'			

REMARKS:

LIST TOTAL TIME SPENT ON THE FOLLOWING:

PRODUCTION TIME	HOURS	BREAKDOWN TIME	HOURS
Water Line Installing or Removing		Repairing Drill*	3 1/2
Hauling Water & Mixing Mud	1	Repairing Pump*	1 1/2
Moving & Setting Up		Fishing for Tools	
Driving Pipe		Repairing Vehicles*	
Drilling	7	Other*	
Installing Piezometer (ft).....			
Pressure Testing			
Other*			

*Indicate type of repairs: Repair on mud pump on

* Drill Pipe Problem as Shift came out
Had to twist all parts for about 10 min
 MATERIALS AND SUPPLIES PURCHASED where purchased, what purchased and
 AND TRUCKING TO SITE (include gas and oil)
 SUPPLIER ROBERTS & SONS MEM WINE'S AND CO. L FOR
ENGINE & PUMP CAP COST

TRUCK MILEAGE

Driller J. M. N. D. Z. G. R. S. K. I. Hours Worked 9 1/2

Helper Joe Kemp Hours Worked 9 1/2

CLIENT D. Diabos-Frue

Note: Signature is for payable quantities. Circle non-payable items.

ORIGINAL - DDI OFFICE

YELLOW - CLIENT

PINK - DRILLER

D'APPOLONIA DRILLING, INC.

ddi

Date 5/21/81 Rig Number J-45 Time Started 8:00 AMLocation 51-825 Project No. 81-825 Time Finished 4:30 P.M.

PAY ITEMS: Soil Soil Soil Soil Shelby Rock (ft) Other

Boring No.	5 ft.	3 ft.	Cont.	No Sample	Tube	Show R=Rec NR=No Rec	

REMARKS: Final hole installing gravel in 700-5 B. Flys. Used 2 C. Bag of Gravel loaded 7.5. 1/2" + Portable pumps & water. Trench to Pit and move to next hole.

LIST TOTAL TIME SPENT ON THE FOLLOWING Also picked up Air

PRODUCTION TIME	HOURS	BREAKDOWN TIME	HOURS
Water Line Installing or Removing		Repairing Drill *	
Hauling Water & Mixing Mud		Repairing Pump *	
Moving & Setting Up	<u>4</u>	Fishing for Tools	
Driving Pipe		Repairing Vehicles *	
Drilling		Other *	
Installing Piezometer (ft).....			
Pressure Testing			
Other <u>Excavation H/L</u>	<u>4</u>		

*Indicate type of repairs:

MATERIALS AND SUPPLIES PURCHASED—where purchased, what purchased and price (include gas and oil)

SUPPLIER ITEM COST

TRUCK MILEAGE

Driller J. K. P. Hours Worked 8 HrsHelper D. A. C. S. T. M. E. Hours Worked 8 Hrs

CLIENT.....

Note: Signature is for payable quantities. Circle non-payable items.

ORIGINAL - DDI OFFICE

YELLOW - CLIENT

PINK - DRILLER

ASB 5A

ANALYSIS REQUEST

NAME W.E. Norris

ORGANIZATION H P

LOCATION 735-A

PHONE 1854

IDENTIFICATION

Well Number A-5 Area TRQ 5.0

Coordinates N 105, 985.50 E 52, 865.62

Ground Elevation 342.95 Permits WCP

WELL HOLE DATA

Condition of Well _____ Drill Date 12/19/84 - 12/10/84

Well Driller James L. Gannon Depth of Well 125' Borehole Diameter _____

Drilling Method Hydraulic Rotary Geologic Formation at Bottom SAND

Mud Type: _____ Native Clay ☒ Bentonite

Sampling: _____ Auger _____ Ditch _____ Cores no samples

WELL CASING DATA

Casing Type sch 40 PVC Flush thread Length of Casing (below ground) 95'

Diameter of Casing 4" Elevation at Top of Casing 345.02

Type of Grout cement Placement pumped from bottom

FINISH TYPE DATA

Type of Screen PVC Opening Size .019

Bottom Closure: PVC Plug Cast Concrete _____ Poured Concrete Plug _____

Setting: ☒ Bottom Hole Placement _____ Washed Down _____

_____ Casing and Packer Placement

FINISH ZONE DATA

Geologic Formation Screened NO

Number of Finish Zones in Formation NO

Depth to Top of Uppermost Zone NO

Depth to Bottom of Last Zone NO

FINISH PACKING DATA

Packing Used psa gravel Method of Packing pour from
Depth to Top of Packing _____ Depth to Bottom of Packing _____
Materials Used: 34 Sacks Cement 3 Sacks Sand
28 ~~Sacks~~ Pack Chips
Bags

WATER LEVEL DATA

Measuring Point: Top of Casing _____ Ground Level
_____ Other (If other, elevation of measuring point _____)
Water Level 103' Date of Measurement 2/24/84

DEVELOPMENT DATA

Development Blow with
Length of Time Developed _____

TEST YIELD DATA

Date Tested none Length of Time Tested none Test Yield none
Test Drawdown none Pump Type none

PRODUCTION YIELD DATA

Production Yield _____ Drawdown _____ Pump Type _____

LOCATION OF OTHER FILES

Driller's Log EWCCol & Fmndtype Geophysical Log _____
Physical Core _____ Cutting Samples _____
Water Level Observations EC Dissolved Solids Analysis _____
Dissolved Gasses Analysis _____ Radionuclide Analysis E.C.
Engineering Drawing _____ Engineering Drawing Number _____

Drilled by James Thomas SCCWO # 314
Developed by Riley Horton SCCWO # 141
Tech. Oversight M.H. L. _____

WELL DRILLING

FIELD ACTIVITIES LOG

DATE	ACTIVITY	TIME		WELL I.D. # <u>12-5 2053</u>	REMARKS	INIT.
		START	FINISH			
	Preparing Site -					
	Obtaining Supplies -					
	1) Casing; Screen					
	2) Bentonite; cement					
	3) Gravel & Sand					
	4) Water					
<u>2/9/84</u>	Setting-up Equipment-	<u>2:00</u>	<u>2:00</u>			
	1) Well Rig	/	/			
	2) Pump, compressor					
	3) Layout of Rods					
	Drilling Hole -					
	1) Starting	<u>3:00</u>				
<u>2/10/84</u>	2) Depth (Lunch - ft.)	<u>1200</u>	<u>110'</u>			
	3) Depth(Complete ft)	<u>1:00</u>	<u>125'</u>			
	4) Washing Out Hole	<u>1:25</u>	<u>1:40</u>			
	5) Remove Drill Rods	<u>1:45</u>	<u>2:20</u>			
	Setting Screen/Casing	<u>2:30</u>	<u>2:45</u>			
	1) Trimmer Pipe	<u>2:45</u>	<u>2:50</u>			
	2) Gravel Pack	<u>3:00</u>	<u>3:20</u>			
	3) Wash	<u>3:25</u>	<u>4:00</u>			
	4) Sand	<u>4:00</u>	<u>4:10</u>			
<u>2/13/84</u>	5) Grout	<u>8:00</u>	<u>12:00</u>		<u>grout new</u>	
	(6) Cleaning Equipment					
	Cleaning Site					



ENVIRODYNE ENGINEERS INC.

WELL CONSTRUCTION DETAIL

Job No. _____

Boring No. A-5 70080

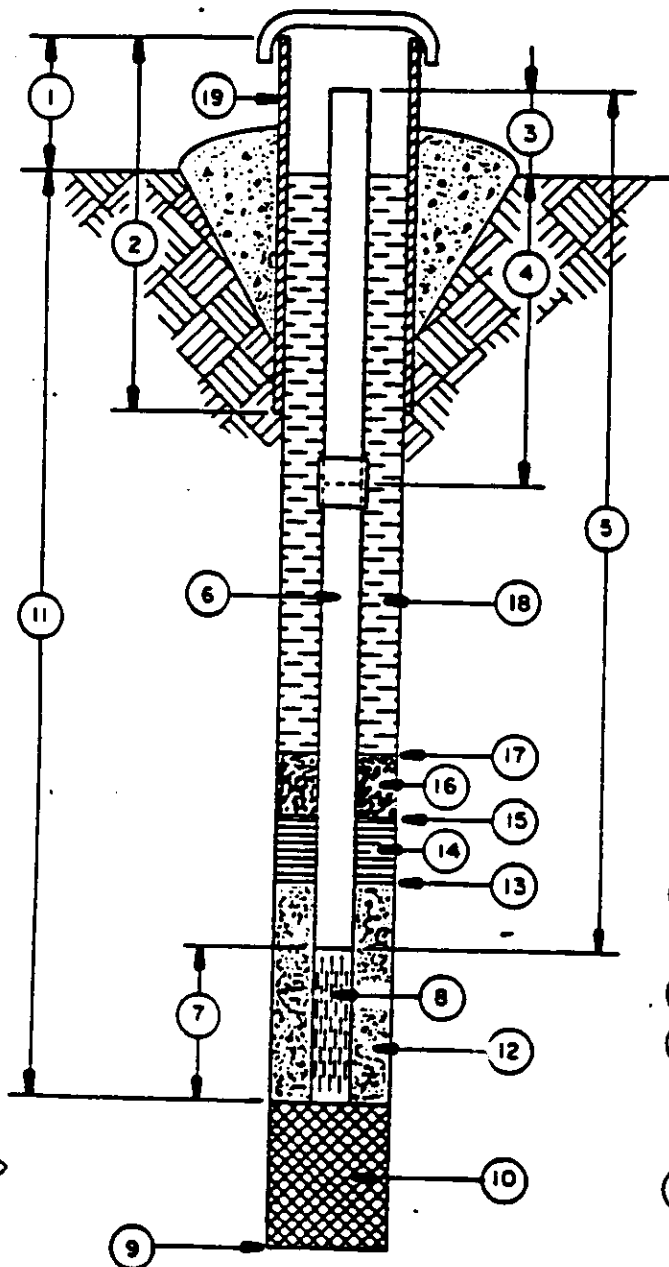
Date of Installation 11/10/94

Time Started 12/1/84

Time Completed 12/19/84

Ground Surface Elev. _____

All depth measurements of well detail are from ground surface unless otherwise indicated.



- ① Height of Protective Casing Above Ground N/A
- ② Total Length of Protective Casing N/A
- ③ Height of Standpipe Above Ground 2'
- ④ Depth to First Coupling 15'
Coupling Interval 15, 20, 20, 20, 20, 20, 10
- ⑤ Total Length of Blank Pipe 95'
- ⑥ Type of Blank Pipe slc 40 PVC - 4"
- ⑦ Length of Screen 30'
- ⑧ Type of Screen slotted PVC - 4" - 0.18
- ⑨ Total Depth of Boring 125' Hole Diam. 10"
- ⑩ Type of Material sand & clay
- ⑪ Depth to Bottom of Screen 125'
- ⑫ Type of Screen Filter pea gravel
Quantity Used 28 bag
- ⑬ Depth to Top of Filter 90'
- ⑭ Type of Seal white sand
Quantity Used 3 bag
- ⑮ Depth to Top of Seal 86'
- ⑯ Type of Seal Weight N/A
Quantity Used N/A
- ⑰ Depth to Top of Seal Weight N/A
- ⑱ Type of Grout cement
Grout Mixture cement & water
- ⑲ Type of Protective Casing N/A
Concrete Collar Mixture cement & water

Remarks:

DRILLING REQUEST

NAME W.E. Norris ORGANIZATION HP

LOCATION 735-A PHONE 1854

IDENTIFICATION 1st Redrill

Well Number A-6 Area 700 SB

Coordinates N _____ E _____

Ground Elevation _____ Permits WCP

WELL HOLE DATA

Start 12/3/64 2:00

Condition of Well _____ Drill Date _____

Well Driller James (Law) Depth of Well 125' Borehole Diameter _____

Drilling Method _____ Geologic Formation at Bottom Sand

Mud Type: _____ Native Clay ☒ Bentonite

Sampling: _____ Auger _____ Ditch _____ Cores NO samples

WELL CASING DATA

Casing Type sch 40 PVC Flush thread Length of Casing (below ground) 95'

Diameter of Casing 4" Elevation at Top of Casing _____

Type of Grout Cement Placement pumped from bottom

FINISH TYPE DATA

Type of Screen PVC Opening Size 0.18

Bottom Closure: PVC Plug Cast Concrete _____ Poured Concrete Plug _____

Setting: ☒ Bottom Hole Placement _____ Washed Down _____

_____ Casing and Packer Placement

FINISH ZONE DATA

Geologic Formation Screened NO

Number of Finish Zones in Formation NO

Depth to Top of Uppermost Zone NO

Depth to Bottom of Last Zone NO

FINISH PACKING DATA

Packing Used pea gravel Method of Packing pour from top
Depth to Top of Packing 90' Depth to Bottom of Packing 125'
Materials Used: 40 Sacks Cement 3 Sacks Sand
29 ~~Gallons~~ Rock Chips grouted old well
Bags

WATER LEVEL DATA

Measuring Point: Top of Casing Ground Level
Other (If other, elevation of measuring point)

Water Level Date of Measurement

DEVELOPMENT DATA

Development Blow with air surge with water
Length of Time Developed

TEST YIELD DATA

Date Tested none Length of Time Tested none Test Yield none
Test Drawdown none Pump Type none

PRODUCTION YIELD DATA

Production Yield Drawdown Pump Type

LOCATION OF OTHER FILES

Driller's Log ENV.COL (ENVirodyn) Physical Log

Physical Core Cutting Samples

Water Level Observations E.C. Dissolved Solids Analysis

Dissolved Gasses Analysis Radionuclide Analysis E.C.

Engineering Drawing Engineering Drawing Number

drilled by Jim Thom secwp # 314
developed by Billy Hester secwp # 141
Tech oversight M. Leach secwp #



ENVIRODYNE ENGINEERS INC.

WELL CONSTRUCTION DETAILS

Job No. _____ Boring No. A-6 7005

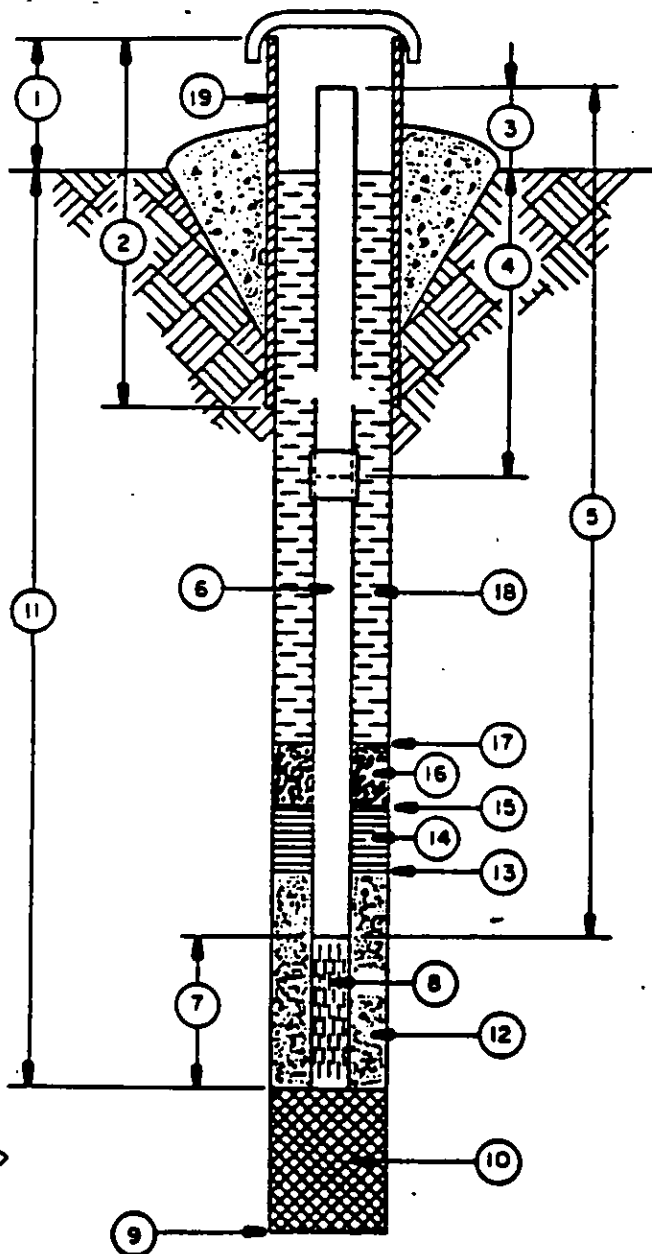
Date of Installation 12/14/84

Time Started 12/14/84

Time Completed 12/14/84

Ground Surface Elev. _____

All depth measurements of well detail are from ground surface unless otherwise indicated.



- ① Height of Protective Casing Above Ground N/A
- ② Total Length of Protective Casing N/A
- ③ Height of Standpipe Above Ground 2'
- ④ Depth to First Coupling 20' ~~20'~~ 20'
Coupling Interval 20, 20, 20, 20, 20, 10
- ⑤ Total Length of Blank Pipe 100'
- ⑥ Type of Blank Pipe sch 40 PVC 4"
- ⑦ Length of Screen 30'
- ⑧ Type of Screen PVC slot - 4" - 0.1"
- ⑨ Total Depth of Boring 130' Hole Diam. 10"
- ⑩ Type of Material sand & clay
- ⑪ Depth to Bottom of Screen 130'
- ⑫ Type of Screen Filter fine gravel
Quantity Used 50 bags
- ⑬ Depth to Top of Filter 90'
- ⑭ Type of Seal white sand
Quantity Used 6 bags
- ⑮ Depth to Top of Seal 85'
- ⑯ Type of Seal Weight N/A
Quantity Used N/A
- ⑰ Depth to Top of Seal Weight N/A
- ⑱ Type of Grout cement
Grout Mixture cement & water
- ⑲ Type of Protective Casing N/A
Concrete Collar Mixture cement & water

Remarks:

WELL DRILLING

FIELD ACTIVITIES LOG

DATE	ACTIVITY	TIME		WELL I.D. # A-6 7005	REMARKS
		START	FINISH		
	Preparing				
	Obtaining Supplies-				
	1) Casing Screen				
02/15/84	2) Bentonite	✓	✓		
	3) Gravel	✓	✓		
	4) Water	✓	✓		
	Setting-up Equipment-	already on site			
	1) Well Rig				
	2) Pump, compressor				
	3) Layout of Rods				
	Drilling Hole -				
02/14/84	1) Starting	2:00			
	2) Depth (Lunch ft.)				
2/17/84	3) Depth (Complete ft)	130'	10:00		
	Setting Screen/Casing-	1:00	2:00		
	1) Gravel Pack	2:15	3:00		
	2) Sand	3:50	4:00		
2/20/84	3) Grout	8:00			
	Cleaning Site				

~~02/15/84~~
2/15/84

Takes all morning to free up drill rods

~~02/16/84~~
2/16/84

They try to set casing but formation caves at bottom

2/18/84 get well redrilled and set casing, gravel, wash

ASB 6A

NAME Ed. Norris

ORGANIZATION HP

LOCATION 735-A

PIHRE 1954

IDENTIFICATION 2nd Redrill

Well Number A-6

Area 700 sq. ft.

Coordinates N 105,715.99 E 52,675.86

Ground Elevation 348.24

Permits WCP

WELL HOLE DATA

Condition of Well

Drill Date Start 12/14/94 Finish 12/16/94

Well Driller Jaw (James)

Depth of Well 130' Barehole Diameter

Drilling Method Hydraulic Rotary

Geologic Formation at Bottom SAND

Mud Type: Native Clay Bentonite

Sampling: Auger Ditch Cores no samples

WELL CASING DATA

Casing Type PVC 4" sch 40 Flack Length of Casing (below ground) 100

Diameter of Casing 4" Elevation at Top of Casing 350.20

Type of Grout Cement Placement grout from bottom

FINISH TYPE DATA

Type of Screen PVC Opening Size .018

Bottom Closure: PVC Plug Cast Concrete Poured Concrete Plug

Setting: Bottom Hole Placement Washed Down

Casing and Packer Placement

FINISH ZONE DATA

Geologic Formation Screened N/A

Number of Finish Zones in Formation N/A

Depth to Top of Uppermost Zone N/A

Depth to Bottom of Last Zone N/A

FINISH PACKING DATA

Packing Used pea gravel Method of Packing from bottom
Depth to Top of Packing _____ Depth to Bottom of Packing _____
Materials Used: 25 Sacks Cement 6 Sacks Sand
50 ~~gallons~~ Rock Chips
Bag

WATER LEVEL DATA

Measuring Point: Top of Casing _____ Ground Level _____
_____ Other (If other, elevation of measuring point _____)

Water Level 109' 15" Date of Measurement 2/24/84

DEVELOPMENT DATA

Development Blow with air surge with water
Length of Time Developed 11 Hrs

TEST YIELD DATA

Date Tested none Length of Time Tested none Test Yield none
Test Drawdown none Pump Type none

PRODUCTION YIELD DATA

Production Yield _____ Drawdown _____ Pump Type _____

LOCATION OF OTHER FILES

Driller's Log FILED Geophysical Log _____

Physical Core _____ Cutting Samples _____

Water Level Observations EC Dissolved Solids Analysis _____

Dissolved Gasses Analysis _____ Radionuclide Analysis EC

Engineering Drawing _____ Engineering Drawing Number _____

Drilled by James T. Henshaw 374
Developed by Bill Horton 141
Tech Oversight by Bill Harty 220



ENVIRODYNE ENGINEERS INC.

WELL CONSTRUCTION DETAILS

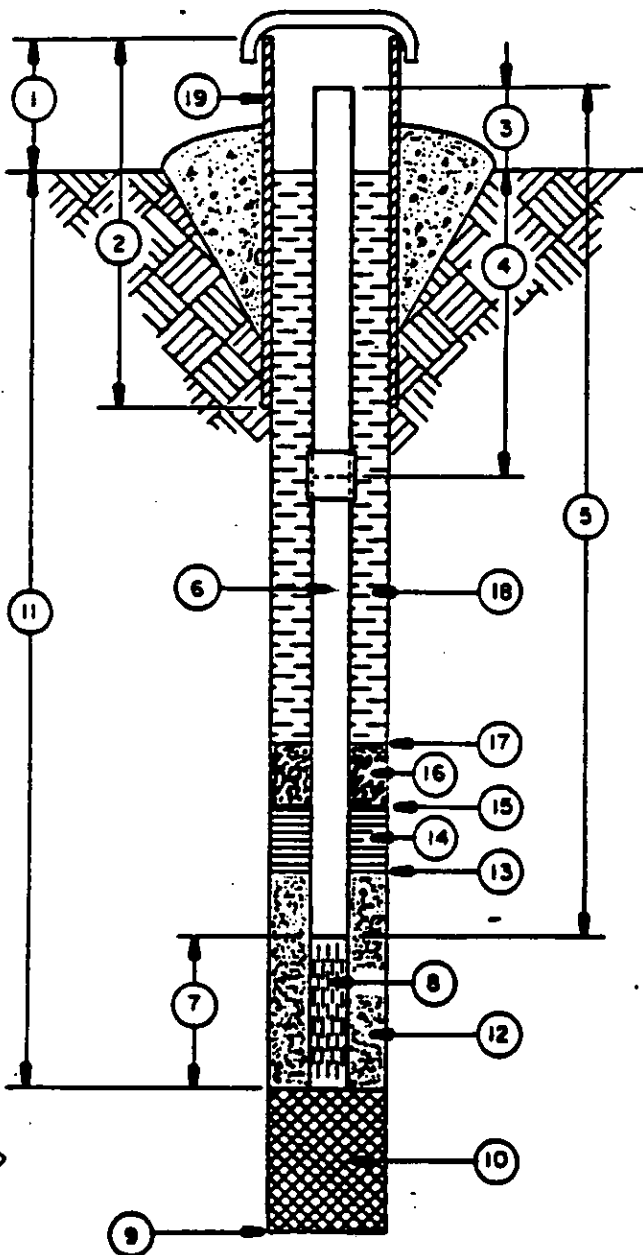
Date of Installation _____

Time Started 4/6/94

Job No. _____
Boring No. A-6 700
Time Completed 2/9/94
11:00 P

Ground Surface Elev. _____

All depth measurements of well detail are from ground surface unless otherwise indicated.



- ① Height of Protective Casing Above Ground 2'
- ② Total Length of Protective Casing 9' 11"
- ③ Height of Standpipe Above Ground 2'
- ④ Depth to First Coupling 15'
Coupling Interval 15, 20, 20, 20, 20, 10,
- ⑤ Total Length of Blank Pipe 95'
- ⑥ Type of Blank Pipe sch 40 PVC - 4"
- ⑦ Length of Screen 30'
- ⑧ Type of Screen PVC slotted - 0.54 - 4"
- ⑨ Total Depth of Boring 125' Hole Diam. 40'
- ⑩ Type of Material sand & clay
- ⑪ Depth to Bottom of Screen 125'
- ⑫ Type of Screen Filter pea gravel
Quantity Used 28 bags
- ⑬ Depth to Top of Filter 90'
- ⑭ Type of Seal white sand
Quantity Used 3 bags
- ⑮ Depth to Top of Seal 86'
- ⑯ Type of Seal Weight N/A
Quantity Used N/A
- ⑰ Depth to Top of Seal Weight N/A
- ⑱ Type of Grout cement
Grout Mixture cement & water
- ⑲ Type of Protective Casing N/A
Concrete Collar Mixture cement & water

Remarks:

Have to re-drill - grouted up screen

WELL DRILLING

FIELD ACTIVITIES LOG

DATE	ACTIVITY	TIME		WELL I.D. #	REMARKS
		START	FINISH		
	Preparing				
2/6/84	Obtaining Supplies - 1) Casing Screen	9:00	10:00		
	2) Bentonite				
	3) Gravel				
	4) Water				
	Setting-up Equipment -				
2/3/84	1) Well Rig	1:00	2:00		
	2) Pump, compressor				
	3) Layout of Rous				
	Drilling Hole -				
2:00	1) Starting				
	2) Depth (Lunch ft.)	end of day			
2/7/84	3) Depth (Complete ft)	9:00	130		
2/3/84	Setting Screen/Casing -	1:00	2:00		
	1) Gravel Pack	2:10	240		worked well
	2) Sand	3:10	400		
2/9/84	3) Grout	8:00	12:00		grout old well to fill pipe
	Cleaning Site				

2/6/84 drilled to depth.

2/7/84 failed to set casing lines. hole closed over

2/8/84 got casing and gravel pack in. Good day

2/14/84 Started to develop - screen is grouted up.

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(See SRP Procedures Manual Item 101)Document Number WSR-RE-89-822
UC or C Number UC-702

1. DESCRIPTION OF DOCUMENT (to be completed by author)

TITLE WASTESITE ASSESSMENT REPORT SAVANNAH RIVER LABORATORY SEEPAGE BASINSAUTHOR(S) J.S. HASELOW, B.B. LOONEY, R.L. NICHOLSPHONE NO. 5-5228TYPE: ☒ INTERNAL DOCUMENT☐ EXTERNAL DOCUMENT☐ DP Report☐ Paper (see below)☐ Other

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CLASSIFICATION GUIDE TOPICS

CG-DAR-1Topic 2.2

PATENT CONSIDERATIONS

Possible Novel Features NA

Closest Prior Art _____

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JAS



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Savannah River Company

CC: File(WSRC-RP-89-822)
BSF-TIM-89-0105

P.O. Box 616
Aiken, SC 29802

September 26, 1989

Ms. W. F. Perrin, Technical Information Officer
U. S. Department of Energy
Savannah River Operations Office
Aiken, SC 29801

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J. A. Duschinski WSRC Technical Information Manager
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WSRC-RP-89-822, "WASTE SITE ASSESSMENT REPORT SAVANNAH RIVER LABORATORY SEEPAGE BASINS," By J. S. Haselow, B. B. Looney, and R. L. Nichols.

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☐ Remarks.

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Possible Novel Features _____

Closest Prior Art _____

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PATENT CONSIDERATIONS

Possible Novel Features *1/2*

Closest Prior Art _____

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