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VOLUME II - APPENDICES A - D

SUMMARY AND ANALYSIS OF RESULTS

FIELD TREATABILITY STUDY PHASE II

South Walnut Creek Basin
Surface Water Interim Measure/Interim Remedial Action

OPERABLE UNIT NO. 2

U. S. Department of Energy
Rocky Flats Plant
Golden, Colorado

ENVIRONMENTAL RESTORATION PROGRAM

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GLOSSARY OF ACRONYMS AND ABBREVIATIONS

The following acronyms and abbreviations are used in the Phase II Field Treatability Unit Study Report:

ARAR	Applicable or Relevant and Appropriate Requirement
AS	Analytical Sample
CDH	Colorado Department of Health
CLP	Contract Laboratory Program
CRDL	Contract Required Detection Limit
CUR	Carbon Use Rate
DCE	Dichloroethene
DCN	Document Change Notice
DL	Detection Limit
DOE	Department of Energy
DQO	Data Quality Objective
EBCT	Empty Bed Contact Time
EPA	Environmental Protection Agency
IM/IRA	Interim Measures/Interim Remedial Action
IM/IRAP	Interim Measures/Interim Remedial Action Plan
FSP	Field Sampling Plan
FS	Feasibility Study
FTU	Field Treatability Unit
GAC	Granular Activated Carbon
GPM	Gallons (U.S.) per minute, also gpm
GRRASP	General Radiochemistry and Routine Analytical Services Protocol

HDPE	High Density Polyethylene
HI	Hazard Index
IDL	Instrument Detection Limit
LECR-I	Lifetime Excess Cancer Risk - Incidence
LECR-M	Lifetime Excess Cancer Risk - Mortality
mg/ℓ	Milligrams per liter
O & M	Operations and Maintenance Manual
OU2	Operable Unit No. 2
PA	Protected Area
PAC	Powdered Activated Carbon
PCBs	polychlorinated biphenyls
PLC	Programmable Logic Controller
PPE	Personal Protection Equipment
pCi/g	Picocuries per gram
pCi/ℓ	Picocuries per liter
QAA	Quality Assurance Addendum
QA/QC	Quality Assurance/Quality Control
RA	Remedial Action
RCRA	Resource Conservation and Recovery Act
RFEDS	Rocky Flats Environmental Database
RFP	Rocky Flats Plant
RI	Remedial Investigation
RRS	Radionuclides Removal System
SS	Suspended Solids
SW	Surface Water
SOP	Standard Operating Procedure
SVOC	Semi-volatile organic compounds
TBC	To Be Considered
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solids
TK	Tank
TSD	Treatment, Storage or Disposal Facility
μg/ℓ	Micrograms per liter
TOC	Total Organic Carbon
VOC	Volatile Organic Compounds
WQCC	Water Quality Control Commission

APPENDIX A

A STATISTICAL METHODOLOGY FOR DETERMINING POTENTIAL CONTAMINANTS BY COMPARISON OF BACKGROUND AND SITE DATA WITH APPLICATION TO THE OPERABLE UNIT NO. 2 SURFACE WATER INTERIM MEASURES/INTERIM REMEDIAL ACTION

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A.1 INTRODUCTION

A statistical methodology for comparing background and site data has been used to determine if concentrations of analytes are statistically significantly higher at seep and stream locations in Operable Unit 2 (OU2). These surface waters are currently being collected and treated as part of the OU2 Surface Water Interim Measures/Interim Remedial Action (IM/IRA). Those analytes with statistically higher concentrations in surface waters at OU2 are classified as potential contaminants. Lists of potential contaminants for volatile organic analytes (VOAs), semivolatile organic analytes (SVOAs), radionuclides (RADs), total metals, dissolved metals, and water quality parameters are provided for use in a risk assessment to estimate the potential risk to human health of future direct exposure to these waters.

The statistical determination of potential contaminants through comparisons of background and site data can be complicated by the presence of nondetections at multiple detection limits. The statistical methodology used herein is appropriate under these conditions. A nonparametric "scores approach" is shown to be an adequate and simpler alternative to using a complex statistical flow chart where the "path" chosen is dependent on percent detections and underlying distributions.

A.2 BACKGROUND

The statistical methodology proposed in this report and applied to seep and stream locations in OU2 assumes that a single set of background data is being compared to a single set of site data to determine if the level of a specific analyte is elevated in the site data relative to the background data. If such an elevated level is found to be statistically significant, the analyte is designated as a potential contaminant for the site.

Three sampling locations within OU2 on South Walnut Creek (SWC) are investigated using the proposed methodology (SW-59, SW-61, and SW-132). The data presented in the Background Geochemical Characterization Report (EG&G, 1992) have been used as the background reference for the statistical comparison to the OU2 data. Because SWC is defined as being within the northern sector of the Rocky Flats Plant (RFP), only background data for the northern

portion of RFP are used in the analysis. Location SW-59 is classified as a seep, and, therefore, seep background data from location SW108, the only seep location on the north side of the RFP, are used for comparison. Locations SW-61 and SW-132 are classified as in-stream locations, and they are compared individually to the combined four northern RFP background stream locations SW004, SW005, SW006, and SW007 (Rock Creek).

This report also presents discussion of Type I and Type II errors. For the following discussion on proposed methodology, it is sufficient that the reader understand that small p-values (from 0.0 up to and including 0.05) indicate the associated analyte should be considered a potential contaminant while larger p-values (from more than 0.05 to 1.0) indicate the analyte is not a potential contaminant.

A.3 STATISTICAL METHODOLOGY

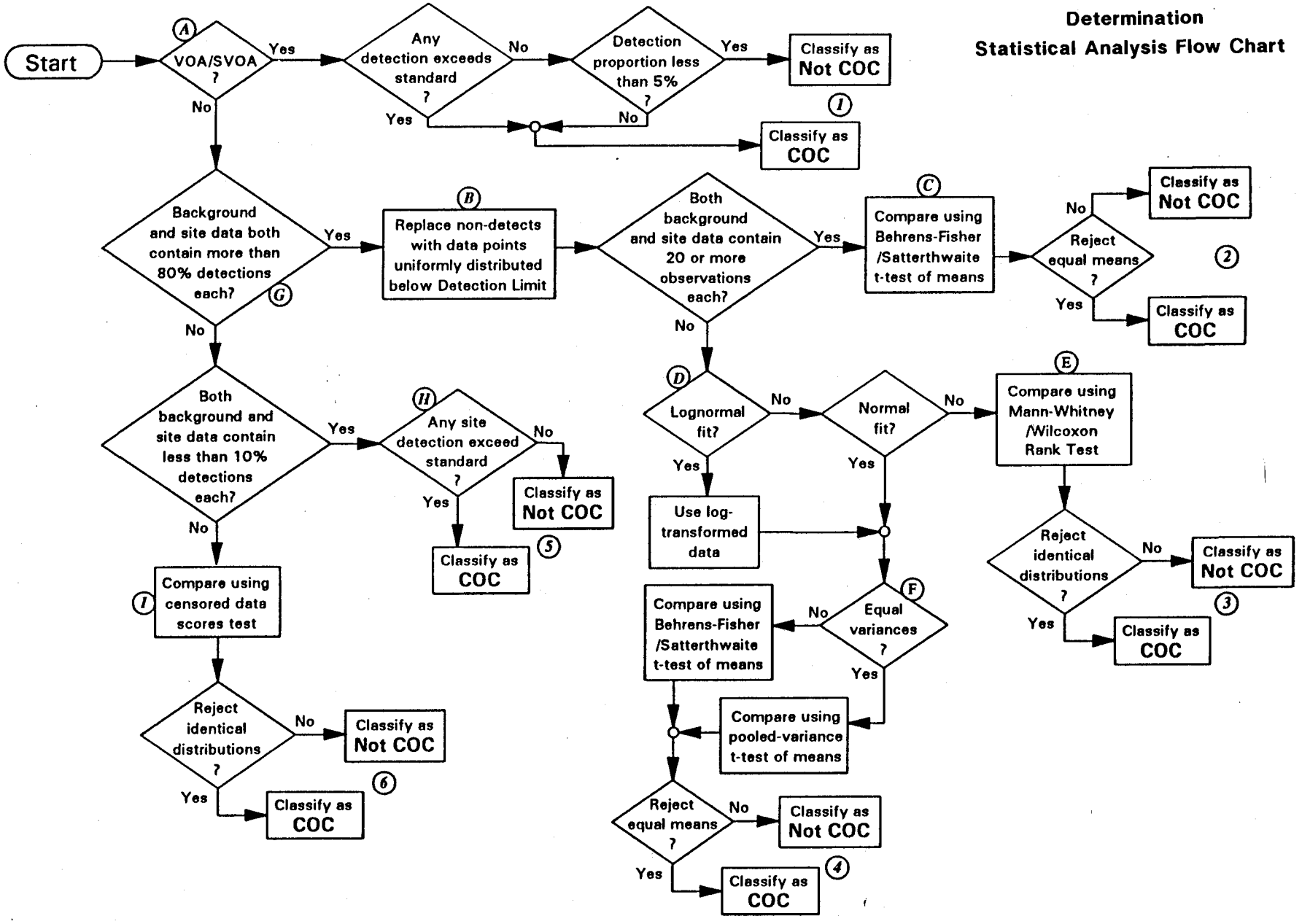
The flow chart for selecting appropriate statistical methodologies for potential contaminant determination is provided in Figure A-1. It contains labels (circled letters) for the purposes of explaining the various steps of the flow chart. It also contains labels (circled numbers) which will be used to indicate which branch applied to a specific analyte resulting in a potential contaminant or non-potential contaminant decision. Explanations of steps labeled with circled letters A through I on Figure A-1 are as follows:

A) Background data are not used for statistical VOA/SVOA comparisons since these analytes are typically not present in background areas. Only rarely is there an analyte detection in the background locations used for this report. For VOA/SVOAs, a potential contaminant is defined by an analyte with 5 percent or more detection, or any exceedance of an Applicable or Relevant and Appropriate Requirement (ARAR).

For each analyte, a sample was considered detected if the concentration value was above the Contract Required Detection Limit (CRDL). Therefore, organic compounds with laboratory qualifiers of "U" or "J," or inorganic compounds with laboratory qualifiers of "U" or "B" were counted as nondetected values for purposes of calculating the percent detects. Laboratory qualifiers of "J" for organics and "B" for inorganics were not counted as detected values due to the unreliability and inconsistency of the different analytical laboratories in reporting qualifiers. Not all of the analytical laboratories used in this study reported "J" and "B" qualifiers. Also, the laboratories that did report "J" and "B" qualifiers were not consistent in how and when they reported a concentration as

FIGURE A-1

Potential Contaminant Determination Statistical Analysis Flow Chart



"J" and "B" qualified. These samples were counted as nondetected values to prevent basing the decision of a potential contaminant on the differences in analytical laboratory reporting methods instead of actual differences between the site and background data.

B) When both background and site data sets contain 20 percent or fewer nondetections, the methodology used for potential contaminant determination is expected to be relatively insensitive to the treatment of the nondetections. In this case, simple uniform replacement of the nondetections is used primarily to facilitate goodness-of-fit results. If, for example, three nondetections for data from a location are at the same detection limit, say at 10.0, the three replacement values will be taken to be 2.5, 5.0, and 7.5. Nondetections at other levels are replaced similarly. Single nondetections are replaced at the detection limit divided by 2. With this approach, "stacks" of nondetections at the same limit will not be replaced by a common value which could result in otherwise unjustified rejection of normality or lognormality in subsequent goodness-of-fit tests.

C) When both background and site data sets contain 20 or more observations, the Central Limit Theorem can be taken to apply for the comparison of means. Use of the Behrens-Fisher t-statistic is the standard approach applied. It uses separate estimates of the two variances, so equality of the variances is not an issue. The standard Satterthwaite approximation to the degrees of freedom of this statistic using unequal variances will be sufficiently large due to the large sample sizes that normal probabilities are essentially being used.

D) Since the distributions of environmental data are often lognormally shaped, initially a log transform is made, and the residuals obtained by subtracting the respective estimated means are combined in a test for normality. Since sample sizes are small, little power in rejecting normality would be obtained if the samples were tested individually. For this reason, the testing is done on the combined residuals. If lognormality is rejected, the original untransformed data are similarly tested for normality.

E) If neither normality nor lognormality are found to be appropriate, the nonparametric Mann-Whitney/Wilcoxon rank test is used. The issue of multiple detection limits prohibiting accurate ranking of values is avoided through the uniform replacement approach discussed in note B. Again with relatively few nondetections, the impact of such replacement on the rank test results should be minimal.

F) When either normality or lognormality appears reasonable, the standard F-test for equal variances from two normal populations is used to determine the appropriate t-statistic computational method. For unequal variances, as discussed in note C above, the standard Behrens-Fisher t-statistic (separate variance estimates) and the Satterthwaite approximation to the degrees of freedom of the t-statistic are used. For equal variances, the standard pooled variance estimate t-statistic is used.

G) If more than 20 percent of either the background or site data sets consist of nondetections, the practice of replacing them to facilitate the determination of potential contaminants becomes questionable.

H) If neither the background nor site data sets contain at least 10 percent detections, insufficient information is available to support a meaningful statistical determination. For this reason, a simple convention is taken: if the site data contains any exceedances of an analyte's ARAR, the analyte is designated a potential contaminant.

I) This situation of having between 20 and 90 percent nondetections is complicated by the fact that, invariably, multiple detection limits are involved. If only a single detection limit were present, fairly routine parametric or nonparametric statistical methods that deal with censored data could be applied. A technically defensible approach to this situation involves the use of a nonparametric censored data scores approach that makes use of the information available in the presence of multiple detection limits. This approach is discussed more thoroughly in Section A.5.

It is noted that the branch of the flow chart starting with the B heading contains several drawbacks. Nondetection replacement, goodness-of-fit testing after replacement, outlier influence, and log transformations with possible negative data values are all aspects that diminish the statistical rigor of this path of the flow chart. Note that the scores approach (heading I) is appropriate for all cases in this branch, and, in fact, with no nondetections it reduces to the Mann-Whitney/Wilcoxon approach used in the nonparametric portion of the branch.

While application of the scores approach always entails the same single step, the B-heading branch can require any or all of: data replacement, sample size consideration, log transformation, lognormal goodness-of-fit, normal goodness-of-fit, variance test, and the appropriate parametric or nonparametric test. In addition, outlier treatment can have considerably more impact on t-test results in this branch than for nonparametric methods.

Consideration should thus be given to simply always using the scores approach to avoid the difficulties commonly present in environmental data as well as the extensive sequence of analysis steps required. As shown in this document, the scores approach leads to the same potential contaminant decisions as the branching methodology, and it is more defensible as being technically correct.

A.4 RESULTS

This section summarizes the results of the statistical analyses that determine the potential contaminants in OU2 surface waters. The potential contaminant Decision Class given in the

tables in this section refers to the circled numbers from the flow chart (Figure A-1) associated with the individual potential contaminant criterion which is applicable to the analyte for the site comparison considered. The classes are as follows:

1	-	VOA/SVOA 5 percent detection and/or exceedance of ARAR
2	-	Large sample central limit theorem t-test
3	-	Mann-Whitney/Wilcoxon nonparametric test
4Le	-	Small sample, equal variance t-test under lognormality
4Lu	-	Small sample, unequal variance t-test under lognormality
4Ne	-	Small sample, equal variance t-test under normality
4Nu	-	Small Sample, unequal variance t-test under normality
5	-	Fewer than 10 percent detection criteria
6	-	Nonparametric censored data scores test

Recall that when statistical tests generate p-values of 0.05 or less, the associated analyte is taken to be a potential contaminant. Thus, in the tables listing potential contaminants, p-values are accordingly small; they will be large in the tables listing other analytes.

Note that as with any statistical activity, the impact of outlying values on conclusions should be considered. For potential contaminant determination applications, outlying (high) background values with a resulting "potential contaminant" determination, or outlying (high) site values with a resulting "nonpotential contaminant" determination, are not of concern since in these cases deletion of the outlier(s) would likely not change the "potential contaminant" determination. However, with outlying background values and a resulting "nonpotential contaminant" determination, or with outlying site values and a resulting "potential contaminant" determination, the determination may be a direct result of the outlying values. In such cases, the validity of the outlying values deserves special scrutiny. If either of these situations arose during the potential contaminant determination, the cases are so indicated with an asterisk by the associated p-value column entry.

The following provides a description of the statistical summary tables provided in this section:

- Tables A-1 and A-2 — VOA and SVOA Potential Contaminants and all VOAs and SVOAs. Potential contaminants are provided in Table A-1; since comparisons to background data were not made, potential contaminants have

either more than 5 percent detections or an exceedance of ARAR per Decision Class 1. All VOAs and SVOAs are listed in Table A-2.

- Tables A-3 and A-4 — Total Radionuclide Potential Contaminants and nonpotential contaminants. Note that the radionuclide analytes plutonium-238, radium-226, and radium-228 are not included due to insufficient data.

- Tables A-5, A-6, and A-7 — Potential Contaminant Metals (Total), Nonstatistical Potential Contaminants, and Nonpotential Contaminants. Table A-6 contains potential contaminants per Decision Class 5, that is, with too few detections for a statistical comparison, and therefore an analyte with any exceedances of its ARAR are listed.

- Tables A-8 and A-9 — Potential Contaminant Metals (Dissolved) and Nonpotential Contaminants. None of the dissolved metal analytes were determined to be potential contaminants through Decision Class 5.

- Table A-10 — Water Quality Parameters. The only water quality parameters for which site data are available are chloride and total organic carbon.

A.5 DISCUSSION OF SCORES METHODOLOGY

A.5.1 Introduction

In a standard Mann-Whitney/Wilcoxon application, two samples that are to be compared are combined into a single sample and the observations are then ranked as a single sample. The ranks resulting from one of the two samples are then summed to see if they generally were larger or smaller than would be expected if the samples were taken from the same distribution. If so, the null hypothesis of no differences in the two underlying distributions would be rejected in favor of an alternative hypothesis of one distribution being shifted with respect to the other.

Table A-1

Statistical Summary for
Volatile and Semivolatile Organic Compound Potential Contaminants

Site	Analyte	ARAR ($\mu g/\ell$)	Sample Size	Number of Detections	Percent Detections	Number of Exceedances
SW-59	1,1,1-Trichloroethane	200.0	49	43	86.2	0
	1,1-Dichloroethane	—	47	9	19.1	0
	1,1-Dichloroethene	0.057	49	20	40.8	20
	1,2-Dichloroethane	0.4	48	1	2.1	1
	1,2-Dichloroethene	—	47	36	76.6	0
	Acetone	—	46	6	13.0	0
	Carbon Tetrachloride	18.0	49	48	98.0	47
	Chloroform	6.0	49	48	98.8	46
	Methylene Chloride	4.7	47	7	14.9	7
	Tetrachloroethene	0.8	49	47	95.9	47
	Trichloroethene	66.0	49	47	95.9	26
	Vinyl Chloride	2.0	47	3	6.4	3
SW-61	1,1,1-Trichloroethane	200.0	50	7	14.0	0
	1,1-Dichloroethene	0.057	49	2	4.1	2
	1,2-Dichloroethene	—	49	33	67.3	0
	Acetone	—	48	5	10.4	0
	Carbon Tetrachloride	18.0	50	27	54.0	2
	Chloroform	6.0	50	2	4.0	1
	Methylene Chloride	4.7	49	5	10.2	5
	Tetrachloroethene	0.8	50	18	36.0	18
	Trichloroethene	66.0	50	23	46.0	1
	Vinyl Chloride	2.0	49	2	4.1	2
SW-132	1,2-Dichloroethene	—	28	13	46.4	0
	Acetone	—	25	5	20.0	0
	Methylene Chloride	4.7	28	5	17.9	5

Table A-2

Statistical Summary for All Volatile and Semivolatile Organic Compounds

Analyte	Standard (µg/ℓ)	Site SW-59			Site SW-61			Site SW-132		
		Sample Size	Detects Qty	Detects Pct	Sample Size	Detects Qty	Detects Pct	Sample Size	Detects Qty	Detects Pct
1,1,2,2-Tetrachloroethane	76.00	47	0	0.0	49	0	0.0	28	0	0.0
1,1,1-Trichloroethane	200.00	49	PC		50	PC		28	0	0.0
1,1,2-Trichloroethane	0.60	48	0	0.0	50	0	0.0	28	0	0.0
1,2,4-Trichlorobenzene	—	6	0	0.0	6	0	0.0	1	0	0.0
1,1-Dichloroethane	—	47	PC		49	1	2.0	28	0	0.0
1,1-Dichloroethene	0.057	49	PC		49	PC		27	0	0.0
1,2-Dichloroethene	—	47	PC		49	PC		28	PC	
1,2-Dichlorobenzene	620.00	6	0	0.0	6	0	0.0	1	0	0.0
1,2-Dichloroethane	0.40	48	PC		50	0	0.0	28	0	0.0
1,2-Dichloropropane	0.56	47	0	0.0	49	0	0.0	28	0	0.0
1,2-Dimethylbenzene	—	0	0	—	3	0	0.0	0	0	—
1,3-Dichlorobenzene	400.00	6	0	0.0	6	0	0.0	1	0	0.0
1,4-Dichlorobenzene	75.00	6	0	0.0	6	0	0.0	1	0	0.0
2,4,5-Trichlorophenol	—	6	0	0.0	6	0	0.0	1	0	0.0
2,4,6-Trichlorophenol	2.00	6	0	0.0	6	0	0.0	1	0	0.0
2,4-Dichlorophenol	21.00	6	0	0.0	6	0	0.0	1	0	0.0
2,4-Dimethylphenol	2120.00	6	0	0.0	6	0	0.0	1	0	0.0
2,4-Dinitrophenol	14.00	5	0	0.0	4	0	0.0	1	0	0.0
2,4-Dinitrotoluene	0.11	6	0	0.0	5	0	0.0	1	0	0.0
2,6-Dinitrotoluene	230.00	6	0	0.0	6	0	0.0	1	0	0.0
2-Butanone	—	45	0	0.0	48	1	2.1	28	1	3.6
2-Chloroethyl Vinyl Ether	—	1	0	0.0	4	0	0.0	0	0	—
2-Chloronaphthalene	—	6	0	0.0	6	0	0.0	1	0	0.0
2-Chlorophenol	1.00	6	0	0.0	6	0	0.0	1	0	0.0
2-Hexanone	—	46	0	0.0	49	1	2.0	28	1	3.6
2-Methylnaphthalene	—	6	0	0.0	6	0	0.0	1	0	0.0
2-Methylphenol	—	6	0	0.0	6	0	0.0	1	0	0.0
2-Nitroaniline	—	6	0	0.0	6	0	0.0	1	0	0.0
2-Nitrophenol	—	6	0	0.0	6	0	0.0	1	0	0.0
3,3'-Dchlorobenzidine	—	6	0	0.0	6	0	0.0	1	0	0.0
3-Nitroaniline	—	6	0	0.0	5	0	0.0	1	0	0.0
4,6-Dnitro-2-methylphenol	—	6	0	0.0	4	0	0.0	1	0	0.0
4-Bromophenyl Phenyl Ether	—	6	0	0.0	6	0	0.0	1	0	0.0
4-Chloro-3-methylphenol	30.00	6	0	0.0	6	0	0.0	1	0	0.0
4-Chloroaniline	—	6	0	0.0	5	0	0.0	1	0	0.0
4-Chlorophenyl Phenyl Ether	—	6	0	0.0	6	0	0.0	1	0	0.0

Table A-2 (Continued)

Statistical Summary for All Volatile and Semivolatile Organic Compounds

Analyte	Standard (μg/ℓ)	Site SW-59			Site SW-61			Site SW-132		
		Sample Size	Detects Qty	Detects Pct	Sample Size	Detects Qty	Detects Pct	Sample Size	Detects Qty	Detects Pct
4-Methyl-2-pentanone	—	46	0	0.0	49	1	2.0	28	0	0.0
4-Methylphenol	—	6	0	0.0	6	0	0.0	1	0	0.0
4-Nitroaniline	—	6	0	0.0	4	0	0.0	1	0	0.0
4-Nitrophenol	—	6	0	0.0	5	0	0.0	1	0	0.0
Acenaphthene	520.00	6	0	0.0	6	0	0.0	1	0	0.0
Acenaphthylene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Anthracene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Acetone	—	46	PC		48	PC		25	PC	
Benzene	1.00	47	0	0.0	49	0	0.0	28	0	0.0
Benzo(a)anthracene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Benzo(a)pyrene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Benzo(b)fluoranthene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Benzo(ghi)perylene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Benzo(k)fluoranthene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Benzoic acid	—	5	0	0.0	4	0	0.0	1	0	0.0
Benzyl alcohol	—	6	0	0.0	5	0	0.0	1	0	0.0
Bis(2-chloroethoxy)methane	—	6	0	0.0	6	0	0.0	1	0	0.0
Bis(2-chloroethyl)ether	0.03	6	0	0.0	6	0	0.0	1	0	0.0
Bis(2-chloroisopropyl)ether	1400.00	6	0	0.0	6	0	0.0	1	0	0.0
Bis(2-ethylhexyl)phthalate	1.80	6	0	0.0	6	0	0.0	1	0	0.0
Bromodichloromethane	0.30	47	0	0.0	49	0	0.0	28	0	0.0
Bromoform	4.00	47	0	0.0	49	0	0.0	28	0	0.0
Bromomethane	—	46	0	0.0	49	0	0.0	28	0	0.0
Butyl Benzyl Phthalate	3000.00	6	0	0.0	6	0	0.0	1	0	0.0
Carbon Disulfide	—	48	0	0.0	48	0	0.0	28	0	0.0
Carbon Tetrachloride	18.00	49	PC		50	PC		28	0	0.0
Chlorobenzene	100.00	47	0	0.0	49	1	2.0	28	0	0.0
Chloroethane	—	46	0	0.0	48	0	0.0	28	0	0.0
Chloroform	6.00	49	PC		50	PC		28	0	0.0
Chloromethane	—	47	0	0.0	48	0	0.0	27	0	0.0
Chrysene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Di-n-butyl Phthalate	2700.00	6	0	0.0	6	0	0.0	1	0	0.0
Di-n-octyl Phthalate	—	6	0	0.0	6	0	0.0	1	0	0.0
Dibenzo(a,h)anthracene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Dibenzofuran	—	6	0	0.0	6	0	0.0	1	0	0.0

Table A-2 (Continued)

Statistical Summary for All Volatile and Semivolatile Organic Compounds

Analyte	Standard (µg/ℓ)	Site SW-59			Site SW-61			Site SW-132		
		Sample Size	Detects Qty	Detects Pct	Sample Size	Detects Qty	Detects Pct	Sample Size	Detects Qty	Detects Pct
Dibromochloromethane	6.00	47	0	0.0	49	0	0.0	28	0	0.0
Diethyl Phthalate	23000.00	6	0	0.0	6	0	0.0	1	0	0.0
Dimethyl Phthalate	313000.00	6	0	0.0	6	0	0.0	1	0	0.0
Ethylbenzene	680.00	48	0	0.0	49	0	0.0	28	0	0.0
Fluoranthene	42.00	6	0	0.0	6	0	0.0	1	0	0.0
Fluorene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Hexachlorobenzene	0.00072	6	0	0.0	6	0	0.0	1	0	0.0
Hexachlorobutadiene	0.45	6	0	0.0	6	0	0.0	1	0	0.0
Hexachlorocyclopentadiene	5.00	6	0	0.0	6	0	0.0	1	0	0.0
Hexachloroethane	1.90	6	0	0.0	6	0	0.0	1	0	0.0
Indeno(1,2,3-cd)pyrene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Isophorone	8.40	6	0	0.0	6	0	0.0	1	0	0.0
Methylene Chloride	4.7	47	PC		49	PC		28	PC	
n-nitroso-di-n-propylamine	0.01	6	0	0.0	6	0	0.0	1	0	0.0
N-nitrosodiphenylamine	4.90	6	0	0.0	6	0	0.0	1	0	0.0
Naphthalene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Nitrobenzene	3.50	6	0	0.0	6	0	0.0	1	0	0.0
Pentachlorophenol	5.70	6	0	0.0	6	0	0.0	1	0	0.0
Phenanthrene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Phenol	2560.00	6	0	0.0	6	0	0.0	1	0	0.0
Pyrene	0.0028	6	0	0.0	6	0	0.0	1	0	0.0
Styrene	—	47	0	0.0	49	0	0.0	28	0	0.0
Tetrachloroethene	0.80	49	PC		50	PC		28	0	0.0
Toluene	1000.00	47	0	0.0	49	0	4.1	28	0	0.0
Total Xylenes	—	47	0	0.0	49	0	0.0	28	0	0.0
Trichloroethene	66.00	49	PC		50	PC		28	0	0.0
Vinyl Acetate	—	44	0	0.0	49	0	0.0	28	0	0.0
Vinyl Chloride	2.00	47	PC		49	PC		28	0	0.0
cis-1,3-Dichloropropene	10.00	48	0	0.0	49	0	0.0	28	0	0.0
trans-1,2-Dichloroethene	100.00	1	0	0.0	1	0	0.0	0	0	—
trans-1,3-Dichloropropene	—	47	0	0.0	49	0	0.0	28	0	0.0

PC - Indicates potential contaminant (Refer to Table A-1 for analytic results).

Table A-3

Statistical Summary for Total Radionuclides Potential Contaminants

Site	Analyte	Background Sample Size	Site Sample Size	PC Decision Class	p-Value
SW059	Americium - 241	9	19	3	0.0079
	Plutonium - 239,240	9	22	4Le	0.0001
	Uranium, Total	2	23	3	0.0443
	Uranium - 233,234	7	15	3	0.0062
	Uranium - 235	6	15	3	0.0397 *
	Uranium - 238	7	15	3	0.0062
SW-61	Americium - 241	45	27	2	0.0439
	Plutonium - 239,240	45	27	2	0.0006
	Tritium	27	11	3	0.0044
	Uranium, Total	10	28	3	0.0009
	Uranium - 233,234	33	20	2	0.0001
	Uranium - 235	30	20	2	0.0008
	Uranium - 238	30	20	2	0.0001
SW-132	Americium - 241	45	19	3	0.0002
	Plutonium - 239,240	45	19	3	0.0011
	Uranium, Total	10	22	4Nu	0.0001
	Uranium - 233,234	33	14	4Le	0.0000
	Uranium - 235	30	14	3	0.0047
	Uranium - 238	30	14	4Le	0.0000

* Analyte would not be declared a potential contaminant if site observation SW05990001 were deleted.
PC = Potential Contaminant

Table A-4

Statistical Summary for Nonpotential Contaminant Radionuclides

Site	Analyte	Background Sample Size	Site Sample Size	PC Decision Class	p-Value
SW-59	Cesium - 137	11	18	4Ne	0.5799
	Strontium - 89,90	9	17	4Lu	0.3106
	Tritium	8	12	4Le	0.3811
SW-61	Cesium - 137	40	19	3	0.5804
	Strontium - 89,90	35	20	2	0.9832
SW-132	Cesium - 137	40	11	3	0.4276
	Strontium - 89,90	35	11	4Le	0.8306
	Tritium	27	4	3	0.1133

Table A-5

Statistical Summary for Potential Contaminant Metals (Total)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detects	Sample Size	% Detects		
SW-59	Barium	14	85.7	37	94.6	3	0.0002
	Calcium	17	100.0	37	100.0	3	0.0005
	Magnesium	18	100.0	37	100.0	4Ne	0.0001
	Sodium	18	100.0	37	100.0	3	0.0001
	Strontium	15	80.0	37	100.0	4Lu	0.0001
	Zinc	17	64.7	37	100.0	6	0.0001
SW-61	Barium	50	82.0	42	95.2	2	0.0001
	Calcium	65	100.0	42	100.0	2	0.0001
	Lead	52	30.8	42	57.1	6	0.0499
	Lithium	49	57.1	42	54.8	6	0.0003
	Magnesium	60	90.0	42	100.0	2	0.0001
	Sodium	66	100.0	42	100.0	2	0.0001
	Strontium	54	85.2	42	95.2	2	0.0001
	Zinc	65	76.9	42	100	6	0.0001
SW-132	Barium	50	82.0	32	100.0	2	0.0001
	Calcium	65	100.0	32	100.0	2	0.0001
	Lithium	49	57.1	32	65.6	6	0.0001
	Magnesium	60	90.0	32	100.0	2	0.0001
	Potassium	50	70.0	32	75.0	6	0.0001
	Selenium	46	8.7	32	62.5	6	0.0001
	Sodium	66	100.0	32	100.0	2	0.0001
	Strontium	54	85.2	32	100.0	2	0.0001

NOTE: PC = Potential Contaminant

Table A-6

Statistical Summary for Potential Contaminant Metals (Total) Per Decision Class 5

Site	Analyte	ARAR Standard ($\mu g/\ell$)	Background			Site		
			Sample Size	% Detects	Number of Exceedances	Sample Size	% Detects	Number of Exceedances
SW-59	Cadmium	1.50	10	0.0	0	37	8.1	3
	Thallium	0.012	16	0.0	0	36	1.0	1
SW-61	Cadmium	1.50	38	0.0	0	42	2.4	1
	Thallium	0.012	45	6.7	3	41	7.3	3
SW-132	Cadmium	1.50	38	0.0	0	32	6.3	2
	Thallium	0.012	45	6.7	3	30	3.3	1

Table A-7

Statistical Summary for Nonpotential Contaminant Metals (Total)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detects	Sample Size	% Detects		
SW-59	Aluminum	15	80.0	37	81.1	4Le	0.3427
	Antimony	13	15.4	37	18.9	6	0.1643
	Arsenic	12	41.7	35	11.4	6	0.9795
	Beryllium	13	0.0	37	5.4	5	0 Exceed
	Cesium	14	7.1	35	11.4	6	0.7265
	Chromium	13	15.4	37	29.7	6	0.2316
	Cobalt	12	0.0	37	10.8	6	0.1758
	Copper	15	40.0	36	36.1	6	0.6474
	Iron	16	93.8	37	89.2	4Le	0.8365
	Lead	13	46.2	37	62.2	6	0.5102
	Lithium	14	71.4	37	78.4	6	0.6215
	Manganese	18	83.3	37	78.4	6	0.6104
	Mercury	13	15.4	37	16.2	6	0.5221
	Molybdenum	13	23.1	37	18.9	6	0.5371
	Nickel	12	8.3	36	30.6	6	0.1174
	Potassium	14	64.3	37	81.1	6	0.9548
	Selenium	14	21.4	37	18.9	6	0.6914
	Silicon	7	100.0	26	100.0	3	0.6860
	Silver	13	7.7	36	16.7	6	0.3349
	Tin	12	16.7	36	22.2	6	0.4050
	Vanadium	13	38.5	37	54.1	6	0.3436
SW-61	Aluminum	56	69.6	42	66.7	6	0.8990
	Antimony	45	17.8	42	2.4	6	0.7231
	Arsenic	41	12.2	42	11.9	6	0.4928
	Beryllium	43	4.7	42	4.8	5	0 Exceed
	Cesium	45	4.4	42	7.1	5	0 Exceed
	Chromium	45	17.8	42	19.1	6	0.7689
	Cobalt	42	9.5	42	11.9	6	0.7937
	Copper	46	41.3	41	36.6	6	0.9209
	Iron	67	91.0	42	76.2	6	0.9706
	Manganese	61	88.5	42	95.2	2	0.0 648
	Mercury	48	12.5	42	9.5	6	0.9000

Table A-7 (Continued)

Statistical Summary for Nonpotential Contaminant Metals (Total)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detects	Sample Size	% Detects		
SW-61 (continued)	Molybdenum	49	14.3	42	16.7	6	0.9333
	Nickel	45	24.4	42	7.1	6	0.9795
	Potassium	50	70.0	42	76.2	6	0.1928
	Selenium	46	8.7	42	11.9	6	0.3074
	Silicon	20	100.0	34	100.0	2	0.3194
	Silver	43	7.0	42	14.3	6	0.2546
	Tin	42	19.1	42	7.1	6	0.9981
	Vanadium	44	27.3	42	38.1	6	0.1746
SW-132	Aluminum	56	69.6	32	59.4	6	0.9990
	Antimony	45	17.8	32	3.1	6	0.5415
	Arsenic	41	12.2	32	18.8	6	0.5235
	Beryllium	43	4.7	32	6.3	5	0 Exceed
	Cesium	45	4.4	31	6.5	5	0 Exceed
	Chromium	45	17.8	32	9.4	6	0.9496
	Cobalt	42	9.5	32	6.3	5	0 Exceed
	Copper	46	41.3	31	22.6	6	0.9971
	Iron	67	91.0	32	87.5	2	0.9990
	Lead	52	30.8	31	61.3	6	0.0 512
	Manganese	61	88.5	32	93.8	2	0.4103
	Mercury	48	12.5	32	25.0	6	0.1768
	Molybdenum	49	14.3	32	15.6	6	0.8284
	Nickel	45	24.4	31	3.2	6	0.9918
	Silicon	20	100.0	32	100.0	2	0.8557
	Silver	43	7.0	32	0.0	5	0 Exceed
	Tin	42	19.1	30	0.0	6	0.9991
	Vanadium	44	27.3	32	18.8	6	0.9464
	Zinc	65	76.9	32	81.3	6	0.1228

PC = Potential Contaminant

Table A-8

Statistical Summary for All Potential Contaminant Metals (Dissolved)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detections	Sample Size	% Detections		
SW-59	Barium	17	64.7	38	89.5	6	0.0 001
	Calcium	17	100.0	38	100.0	3	0.0 006
	Magnesium	17	94.1	38	100.0	4Ne	0.0 001
	Sodium	17	100.0	38	100.0	3	0.0 001
	Strontium	17	70.6	37	100.0	6	0.0 001
	Zinc	14	50.0	38	100.0	6	0.0 001
SW-61	Barium	63	55.6	42	95.2	6	0.0 001
	Calcium	66	100.0	42	100.0	2	0.0 001
	Lithium	52	44.2	41	56.1	6	0.0 004
	Magnesium	64	79.7	42	100.0	6	0.0 001
	Manganese	62	61.3	42	92.9	6	0.0 001
	Potassium	53	60.4	41	75.6	6	0.0 445
	Sodium	66	98.5	42	100.0	2	0.0 001
	Strontium	60	70.0	41	95.1	6	0.0 001
SW-132	Arsenic	35	0.0	28	39.3	6	0.0 009
	Barium	63	55.6	32	96.9	6	0.0 001
	Calcium	66	100.0	32	100.0	2	0.0 001
	Lithium	52	44.2	32	59.4	6	0.0 001
	Magnesium	64	79.7	32	100.0	6	0.0 001
	Manganese	62	61.3	32	84.4	6	0.0 005
	Potassium	53	60.4	32	75.0	6	0.0 001
	Selenium	34	0.0	32	62.5	6	0.0 001
	Sodium	66	98.5	32	100.0	2	0.0 001
	Strontium	60	70.0	32	100.0	6	0.0 001

Table A-9

Statistical Summary for Nonpotential Contaminant Metals (Dissolved)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detections	Sample Size	% Detections		
SW-59	Aluminum	14	28.6	38	36.8	6	0.1881
	Antimony	10	40.0	38	21.1	6	0.8930
	Arsenic	12	33.3	37	10.8	6	0.9821
	Beryllium	4	0.0	38	2.6	5	0 Exceed
	Cadmium	6	0.0	38	2.6	5	0 Exceed
	Cesium	8	0.0	36	5.6	5	0 Exceed
	Chromium	7	14.3	38	23.7	6	0.4084
	Cobalt	7	0.0	38	7.9	5	0 Exceed
	Copper	15	46.7	37	21.6	6	0.9888
	Iron	17	47.1	37	32.4	6	0.9665
	Lead	14	14.3	38	21.1	6	0.1040
	Lithium	17	58.8	37	64.9	6	0.8481
	Manganese	17	70.6	38	55.3	6	0.9309
	Mercury	5	40.0	38	5.3	6	0.9619
	Molybdenum	10	30.0	37	24.3	6	0.9028
	Nickel	7	14.3	38	10.5	6	0.8802
	Potassium	14	50.0	38	76.3	6	0.7469
	Selenium	8	12.5	37	16.2	6	0.7429
	Silicon	7	100.0	27	100.0	3	0.9495
	Silver	8	12.5	36	13.9	6	0.5437
	Thallium	8	0.0	36	0.0	5	0 Exceed
	Tin	10	20.0	36	22.2	6	0.8157
	Vanadium	12	25.0	38	31.6	6	0.4257
SW-61	Aluminum	54	42.6	42	31.0	6	0.9868
	Antimony	42	21.4	42	2.4	6	0.8883
	Arsenic	35	0.0	41	9.8	5	0 Exceed
	Beryllium	36	8.3	24	5	5	0 Exceed
	Cadmium	30	0.0	42	4.8	5	0 Exceed
	Cesium	38	5.3	41	4.9	5	0 Exceed
	Chromium	34	5.9	42	11.9	6	0.5096

Table A-9 (Continued)

Statistical Summary for Nonpotential Contaminant Metals (Dissolved)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detections	Sample Size	% Detections		
SW-61 (continued)	Cobalt	35	0.0	42	4.8	5	0 Exceed
	Copper	58	34.5	41	22.0	6	0.9998
	Iron	65	66.2	41	41.5	6	0.9999
	Lead	47	23.4	41	31.7	6	0.2865
	Mercury	31	9.7	42	2.4	5	0 Exceed
	Molybdenum	40	12.5	40	17.5	6	0.9897
	Nickel	40	2.5	42	9.5	5	0 Exceed
	Selenium	34	0.0	42	21.4	6	0.0 607
	Silicon	20	100.0	35	100.0	2	0.7151
	Silver	37	5.4	41	7.3	5	0 Exceed
	Thallium	41	4.9	40	2.5	5	0 Exceed
	Tin	43	14.0	41	2.4	6	0.9987
	Vanadium	44	15.9	42	28.6	6	0.0 588
	Zinc	62	61.3	42	47.6	6	0.7993
SW-132	Aluminum	54	42.6	31	22.6	6	0.9943
	Antimony	42	21.4	32	9.4	6	0.8269
	Beryllium	36	8.3	32	6.3	5	0 Exceed
	Cadmium	30	0.0	32	3.1	5	0 Exceed
	Cesium	38	5.3	32	18.8	6	0.6866
	Chromium	34	5.9	32	6.3	5	0 Exceed
	Cobalt	35	0.0	32	3.1	5	0 Exceed
	Copper	58	34.5	31	25.8	6	0.9987
	Iron	65	66.2	32	31.3	6	0.9999
	Lead	47	23.4	29	31.0	6	0.2891
	Mercury	31	9.7	32	9.4	5	0 Exceed
	Molybdenum	40	12.5	32	18.8	6	0.9902
	Nickel	40	2.5	32	6.3	5	0 Exceed
	Silicon	20	100.0	32	100.0	2	0.8776
	Silver	37	5.4	32	0.0	5	0 Exceed
	Thallium	41	4.9	30	3.3	5	0 Exceed

Table A-9 (Continued)

Statistical Summary for Nonpotential Contaminant Metals (Dissolved)

Site	Analyte	Background		Site		PC Decision Class	p-Value
		Sample Size	% Detections	Sample Size	% Detections		
SW-132 (continued)	Tin	43	14.0	31	0.0	6	0.9999
	Vanadium	44	15.9	32	3.1	6	0.9860
	Zinc	62	61.3	31	32.3	6	0.9990

PC = Potential Contaminant

Table A-10

Statistical Summary for Water Quality Parameters

Site	Analyte	Background		Site		PC Decision Class	p-Value*
		Sample Size	% Detects	Sample Size	% Detects		
SW-59	Chloride	18	88.9	37	100.0	3	0.0001
	Total Organic Carbon	3	100.0	23	100.0	4Le	0.9988
SW-61	Chloride	68	88.2	39	100.0	2	0.0001
	Total Organic Carbon	11	100.0	29	100.0	3	0.9974
SW-132	Chloride	68	88.2	28	100.0	2	0.0001
	Total Organic Carbon	11	100.0	27	96.3	3	0.9808

* For each site, these p-values indicate that chloride is a PC. Total organic carbon is not a PC for any of the sites and is in fact at significantly lower levels in each site than in the background.

PC = Potential Contaminant

As a simple example, consider the following where a one-sided test is used to determine whether the Sample 2 values are drawn from a distribution of larger values:

Sample 1: 1, 4, 5, 7, 12, 15

Sample 2: 4, 8, 17, 18

The combined sample is then:	1, 4, 4, 5, 7, 8, 12, 15, 17, 18
with respective ranks:	1, 2.5, 2.5, 4, 5, 6, 7, 8, 9, 10

The sum of the ranks for the second sample is therefore $2.5 + 6 + 9 + 10 = 27.5$ (note that tied values receive average ranks). This rank sum of 27.5 is compared to values expected under the null hypothesis of equal distributions to determine if the sum is sufficiently large to be deemed statistically significant.

The Mann-Whitney/Wilcoxon approach can be applied to censored data only if the censoring values are smaller than all detections. In this case all nondetections would be treated as tied.

The situation gets more complicated when multiple detection limits (censoring values) are present in the two samples. Not all values can then be ranked with respect to each other. For example, it is unknown whether a nondetection with a detection limit of 10.0 is greater or less than a detection at 5.0, so their relative ranks cannot be determined. Similarly, the ranking of two nondetections with different detection limits cannot be determined.

One simple approach for determining a ranking of such data is to treat every measurement that is less than the largest nondetection as a tied value whether it is a detection or a nondetection. This clearly has the shortcoming of not using all the information that is available. For example, with nondetections at 5.0 and 10.0 and a detection at 7.5, it is known that the 7.5 valued detection is clearly greater than the nondetection at 5.0. This information would be ignored in this approach.

An improvement is given in Millard and Deveral (1988). The scores approach used in this analysis is developed in that paper. While several variations are discussed, they generally behave comparably. The "Gehan" variation is used in this analysis largely because its derivation is the simplest to understand.

To see how the scores approach works, consider another example. The notation "<12" represents a nondetection at the detection limit of 12 and therefore a value less than 12.0.

Sample 1: 1, <4, 5, 7, <12, 15

Sample 2: 2, <4, 8, 17

This gives the combined sample as 1, 2, <4, <4, 5, 7, 8, <12, 15, 17

Although the scores approach is not specifically defined in terms of ranking, it can most easily be explained in terms of the ranks it equivalently ends up generating. Again, it is analogous to the Mann-Whitney/Wilcoxon approach and equivalent to it in the presence of no nondetections. The rankings for the scores method occur as follows. They are most easily assigned from largest to smallest:

The values 17 and 15 get ranks 10 and 9, respectively, as they are known to be the two largest values, even with the presence of nondetections.

The <12 value is taken to be tied with all seven values below it and thus receives as its rank the average of the ranks 1 to 8 which is 4.5.

The value 8 is clearly greater than the six values below it and clearly less than the values 15 and 17. It is treated as a tie with the value <12 and therefore receives the average of the ranks 7 and 8 which is 7.5.

The value 7 is clearly greater than the five values below it and clearly less than the values 8, 15, and 17. It is treated as a tie with the value <12 and therefore receives the average of the ranks 6 and 7 which is 6.5.

The value 5 is clearly greater than the four values below it and clearly less than the values 7, 8, 15, and 17. It is treated as a tie with the value <12 and therefore receives the average of the ranks 5 and 6 which is 5.5.

The two values <4 are clearly less than the values 5, 7, 8, 15, and 17 and are treated as tied with each other as well as with the values 1, 2, and <12. They therefore receive the average of the ranks 1, 2, 3, 4, and 5 which is 3.

The value 2 is clearly greater than the value 1 and clearly less than the values 5, 7, 8, 15, and 17. It is treated as a tie with the values <4, <4, and <12 and therefore receives the average of the ranks 2, 3, 4,and 5 which is 3.5.

The value 1 is treated as tied with the values <4, <4, and <12 and therefore receives the average of the ranks 1, 2, 3, and 4 which is 2.5.

In summary the following ranking results:

Sample values:	1	2	<4	<4	5	7	8	<12	15	17
Ranks:	2.5	3.5	3	3	5.5	6.5	7.5	4.5	9	10

Note that, if this sample contained no ties or nondetections, the sum of the resulting ranks 1, 2, . . ., 10 would be 55. The sum of the "scores" ranks in the example is also 55. This is always a property of this scores ranking scheme.

The test statistic, as in the Mann-Whitney/Wilcoxon approach, can be considered as the sum of the ranks of the sample values from one of the samples. If the sample used is the site sample, then large values of this statistic would indicate that the site is generating samples that are large relative to the background samples, and the associated analyte would be classified as a potential contaminant.

Distributional properties for the statistic can be obtained through the usual approach used for rank methods. This considers all permutations of the resulting rankings since all such permutations are equally likely under the null hypothesis of no difference in the underlying site and background populations. If the statistic takes on a value in the upper 5 percent of the resulting values, it would be taken as statistical evidence that the analyte is elevated in the site relative to background and is therefore considered a potential contaminant. Note that this would provide the standard 0.05 Type I error probability.

The statistic used in the scores approach belongs to a nonparametric family called linear rank statistics (Gibbons, 1971). Large sample normal approximations to the distributions of such statistics have been shown to be appropriate even for fairly moderate sample sizes. This approximation is therefore appropriate in the applications of this analysis and has been used.

A.5.2 Comparison of Scores Approach to Other Statistical Methods

Various statistical hypothesis tests have been used in this report to identify potential contaminants; all of potential contaminant Decision Classes 2, 3, 4, and 6 are in this category. The nonparametric censored data scores test is an appropriate statistical tool for every one of these cases. In fact, with only detections, as mentioned earlier, this test is equivalent to the Mann-Whitney/Wilcoxon test.

The scores test was applied to all cases for potential contaminant Decision Classes 2, 3, and 4 to determine if any differences in potential contaminant determinations would have occurred. The only difference obtained among all of these applications was for manganese in total metals. This was not found to be a potential contaminant under the central limit theorem approach of potential contaminant Decision Class 2. However, two outlying values in the background data and one in the site data had considerable influence on the t-test used. In fact, if the data had first been log transformed, or if the outlying values had been omitted, this analyte would have been determined to be a potential contaminant under the central limit theorem approach as well. Since the nonparametric scores approach is less sensitive to outlying values, it makes the potential contaminant determination using the original data. In no other case for radionuclides, total metals, and dissolved metals was a different potential contaminant obtained by using the nonparametric scores approach.

This comparison illustrates that the scores approach is an adequate method for application in general. It is robust for any underlying distribution, large numbers of nondetections, multiple detection limits, and outlying values. It reduces to the Mann-Whitney/Wilcoxon approach in the presence of only detections. In addition, the extensive, fairly tedious, and less statistically rigorous series of analysis steps involved in applying the flow chart could be avoided.

A.6 TYPE I AND TYPE II ERRORS

In statistical hypothesis testing, a null hypothesis which includes equality is specified and tested against an appropriate alternative hypothesis. Type I errors and Type II errors are associated with such testing. A Type I error consists of rejecting the null hypothesis in favor of the alternative hypothesis when in fact the null hypothesis is true. A Type II error consists of accepting the null hypothesis rather than the alternative hypothesis when in fact the null hypothesis is false. The probability of a Type I error is controlled during the testing at a low significance level (commonly 0.05). The probability of a Type II error is then uncontrolled, but for a specified Type I error probability, the Type II error probability decreases with increasing sample sizes and will go to zero for very large sample sizes. Note that the power of the test is the ability to correctly reject the null hypothesis in favor of the alternative hypothesis when the null hypothesis is false. The power is therefore one minus the probability of committing a Type II error.

For a background to site comparison for the determination of a potential contaminant, a Type I error consists of incorrectly determining an analyte to be a potential contaminant when in fact it should not have been. A Type II error is failing to identify an analyte as a potential contaminant when in fact it should have been so identified. The power is therefore the probability of correctly identifying a potential contaminant. The relative costs and risks associated with making Type I and II errors should be considered, especially when selecting an appropriate Type I error probability level.

For all statistical comparisons in this report, a p-value is generated. P-values are between 0.0 and 1.0 with small values indicating differences and that the alternative hypothesis should be favored over the null hypothesis. If a p-value is less than 0.05 for this report, the associated analyte is taken to be a potential contaminant. Note as well that very large p-values would in fact indicate that the background contains higher levels of an analyte than the site.

Note that the practice of treating several site locations individually as single sites rather than grouping them into one overall site for comparison to background will increase the overall likelihood of making Type I errors while decreasing the probability of making Type II errors.

A 0.05 Type I error probability will exist for each location rather than a single overall 0.05 Type I error for the combined locations. However, differences between site locations and the difficulty in doing multiple location comparisons in the presence of many nondetections with multiple detection limits generally necessitate the individual locations approach.

A.7 CONCLUSIONS

A flow chart for determining appropriate statistical methodology for comparing site and background data for the determination of potential contaminants has been provided. The methodology is applied to seep and stream locations in OU2; statistical summary tables for potential contaminants and other analytes are given. It is recommended that a nonparametric scores approach, which is used for the multiple detection limit case in the flow chart, be used in all cases instead of the other statistical approaches discussed.

A.8 REFERENCES

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APPENDIX B

ASSESSMENT OF PUBLIC HEALTH RISKS RELATED TO POTENTIAL EXPOSURE TO SURFACE WATERS COLLECTED FOR THE OPERABLE UNIT NO. 2 SURFACE WATER INTERIM MEASURES/INTERIM REMEDIAL ACTION

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ATTACHMENT A — COMPUTATIONAL DETAILS

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EXECUTIVE SUMMARY

This risk assessment is provided to support an analysis of options for managing surface water originating from several sources (SW-59, SW-61, and SW-132) along South Walnut Creek (SWC) within Operable Unit No. 2 (OU2). These waters are currently collected and treated as part of the Surface Water Interim Measures/Interim Remedial Action (IM/IRA). Because contaminant concentrations are relatively dilute in two of these surface waters (SW-61 and SW-132), it is of interest to assess the public health risks related to potential exposure to these waters if treatment were not provided. The risk assessment specifically evaluated the risk related to each of the three sources, as well as that associated with different combinations of the sources. The results of this assessment will be used to support a risk management decision regarding continued collection and treatment of these waters. In order to perform this assessment, the potential risks resulting from several combinations of the sources were analyzed under two scenarios: direct consumption of water from the sources and consumption of water from Pond B-5 which is further downgradient.

Under the first scenario, which represents near worst case conditions from an exposure standpoint and is very conservative, it was found that:

(1) The Lifetime Excess Cancer Risk for cancer incidence (LECR-I) and Hazard Index (HI) from exposure to water from SW-59 or SW-59 and SW-132 combined exceeded EPA's criteria for remediation of CERCLA sites.

(2) The LECR-Is and HIs associated with exposure to waters from SW-61, SW-132, or combinations thereof met EPA's criteria for remediation of CERCLA sites.

(3) Radiological risk levels, represented by calculated Lifetime Excess Cancer Risk for Mortality (LECR-M) values, were not exceeded for any exposure condition examined. A radiological dose analysis verified the lack of risks presented by the radionuclide contaminants from the sources.

For the second scenario, the risks associated with all conditions examined were within the EPA criteria for both carcinogens and noncarcinogens.

B.1 INTRODUCTION

This risk assessment is provided to support an analysis of options for managing surface water originating from several sources (SW-59, SW-61, and SW-132) along South Walnut Creek (SWC) within Operable Unit No. 2 (OU2). These waters are currently collected and treated as part of the Surface Water Interim Measures/Interim Remedial Action (IM/IRA). Because contaminant concentrations are relatively dilute in two of these surface waters (SW-61 and SW-132), it is of interest to assess the public health risks related to potential exposure to these waters if treatment were not provided. The risk assessment specifically evaluated the risk related to each of the three sources, as well as that associated with different combinations of the sources. The results of this assessment will be used to support a risk management decision regarding continued collection and treatment of these waters. In order to perform this assessment, the potential risks resulting from several combinations of the sources were analyzed under two scenarios: direct consumption of water from the sources and consumption of water from Pond B-5 which is further downgradient.

B.2 METHODOLOGY

B.2.1 Data Collection and Analysis

This risk assessment was based on a chemical and radionuclide data set developed from routine OU2 surface water monitoring, conducted quarterly under the site-wide sampling program. The data set is comprised of water analyses of samples from SW-59, SW-61, and SW-132. Samples from these stations were analyzed for radionuclides, metals, volatile organic compounds (VOCs), pesticides/PCBs, and semivolatile organic compounds (SVOCs), as well as routine water quality parameters (e.g., suspended solids).

Data included in this assessment were collected during the period from 1990 to 1993. During the period from initiation of sampling until May 1991, when the IM/IRA collection and treatment system was put into operation, the seep water from SW-59 flowed into SWC at SW-061. As a result, contaminant concentrations reported for SW-61 from this period include contributions from SW-59, and are elevated compared to the concentrations observed since May

1991. Thus, the assessment performed is conservative in that these elevated concentrations were included in the calculation of risks from SW-61.

B.2.2 Potential Contaminants

Potential contaminants for the OU2 surface water locations were selected through statistical comparison of the sampling data from these locations with the results from sampling of background surface waters (Appendix A). As a result of these comparisons, the compounds listed in Tables A-1 and A-2 were identified as the potential contaminants to be evaluated for this assessment. Because there was no attempt to eliminate potential contaminants based on toxicity, this provided an additional level of conservancy to the assessment.

For the purposes of this assessment, the concentrations for total metals and total radionuclides were used in the calculations of risk and hazard indices. Details on the statistical analysis used to provide mean values of contaminants for use in the risk assessment calculations are also given in Attachment A.

B.2.3 Risk Assessment Methodology

LECR[1] and HI calculations were based on guidelines described in EPA (1989), EPA (1992), and the EPA's Integrated Risk Information System (IRIS). Computations of radiological dose to assess compliance with DOE Order 5400.5, *Radiation Protection of the Public and the Environment*, were performed following guidance given in DOE (1988).

B.2.3.1 Risk Assessment Assumptions

The first scenario (Scenario 1) assessed was a residential setting in which long-term exposure occurs as a result of using OU2 surface water as a domestic water supply. The exposure pathway examined was direct ingestion of the surface water from each station (SW-59, SW-61,

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[1] The human-radioepidemiologic and animal-bioassay data used for chemical dose/response extrapolation are fundamentally different in nature (a detailed explanation is beyond the scope and need of this report). As a consequence, radiological risk estimates are for cancer mortality and are termed Lifetime Excess Cancer Risk for Mortality (LECR-M). Lifetime Excess Cancer Risk for chemicals (e.g., metals) represent cancer incidence and have the abbreviation LECR-I.

and SW-132) or a mixture of surface water from various combinations of flow from these stations. This scenario is conservative for several reasons:

1) The likelihood of a residence being constructed on OU2 is quite small. The sources are located on and at the bottom of a slope, and the area in the immediate vicinity of the sources is not conducive to residential development, i.e., it consists of both small wetland areas and sloped terrain. In addition, future land use of the RFP in the currently developed portions of the facility is anticipated as industrial use. If there were to be residential construction on the RFP site it would likely be at some distance from the industrialized areas, rather than directly adjacent to them.

2) Because sufficient amounts of potable water from a municipal water supply would likely be available if the area were developed, it is probable that a future resident would utilize this more dependable and more readily available source of water.

3) For simplicity in this risk assessment and to be most conservative in estimating risk from this pathway, it is assumed that the surface water from OU2 is not augmented by other water supplies. This assumption avoids the effect of diluting the contaminants (and in doing so, reducing the risks).

4) The risk assessment assumes no treatment of the water prior to consumption. Typical treatment for surface water supplies consist of, at a minimum, filtering of the water to remove suspended sediments and chlorination to kill pathogens; more advanced treatment systems, including the use of powdered activated carbon to adsorb organics, also exist. The assumption that no treatment will be performed prior to consumption is, therefore, very conservative.

Another scenario, somewhat less conservative than that described above, was to assume direct consumption of water from Pond B-5[2] after contamination by various combinations of flow from the OU2 sources. In this scenario (Scenario 2), it is assumed that the contaminant load to Pond B-5 is entirely from the OU2 sources, but the flow into B-5 includes other (presumed uncontaminated) sources, e.g., sewage treatment plant discharges, runoff, etc. The average total flow through the pond is 177,000 gallons per day (gpd) based on 1992 RFP Activity Reports. No treatment of the Pond B-5 water was assumed prior to consumption. Other assumptions related to this scenario were:

[2] Pond B-5 was selected as the receiving water body because it is the pond where discharges from the sources eventually accumulate, and discharges from this pond are routed through Pond A-4 and ultimately off site.

1) No fate processes, such as volatilization and reactions with sediments, were assumed to occur enroute to or within Pond B-5.

2) The contaminants entering Pond B-5 will be completely mixed with the water in the pond prior to consumption, and steady-state conditions exist.

B.2.3.2 Default Exposure Values

The following default values were used in calculating exposure and risk to contaminants present in the OU2 surface water sources:

Total Water Ingestion Rate:	2 ℓ/day (EPA, 1989)
Exposure Frequency:	350 days/year (EPA, 1989)
Exposure Duration:	30 years (EPA, 1989)
Water Concentration:	mean, based on uniform replacement of nondetections
Fraction from Surface Water Source:	Dependent on condition examined (see below)

B.2.3.3 Flow Rates

The average annual flow rate from the sources are: SW-59, 1 gallon per minute (gpm); SW-061, 14 gpm; and SW-132, 5 gpm (EG&G, 1991). Based on these flow rates and the conditions presented below, the flow fraction contributed by each source to the total flow used in the calculations of risks are presented in Table B-1.

B.2.3.4 Conditions Examined

For each scenario, in order to examine and apportion the risk from the different OU2 surface water sources, risk estimates required calculation based on the proportion of flow contributed by each source to the total flow considered under different conditions. The conditions, consisting of different combination of the flows from the sources (refer to Table B-1), examined were:

Table B-1

Condition-Specific Fractions of Total Flow

Condition	Fraction Contributed[a]		
	SW-59	SW-61	SW-132
1	1.0	—	—
2	—	1.0	—
3	—	—	1.0
4	0.07	0.93	—
5	—	0.74	0.26
6	0.05	0.7	0.25
7	0.17	—	0.83

[a] Based on average annual flow rate.

1) SW-59 not collected, SW-61 and SW-132 collected and treated. Total risk is attributable to SW-59.

2) SW-61 not collected, SW-59 and SW-132 collected and treated. Total risk is attributable to SW-61.

3) SW-132 not collected, SW-59 and SW-61 collected and treated. Total risk is attributable to SW-132.

4) SW-59 and SW-61 not collected, SW-132 collected and treated. Total risk is attributable to SW-59 and SW-61.

5) SW-61 and SW-132 not collected, SW-59 collected and treated. Total risk is attributable to SW-61 and SW-132.

6) SW-59, SW-61, and SW-132 not collected. Total risk is attributable to all of the sources.

7) SW-59 and SW-132 not collected, SW-61 collected and treated. Total risk is attributable to SW-59 and SW-132.

Conditions 1 through 3 allowed the examination and comparison of the risks associated with each individual source examined. The other conditions, 4 through 7, allowed the examination of the risks associated with different combinations of treatment and discharge from the sources.

For Scenario 1, the OU2 sources were assumed to be directly consumed, based on the above conditions and flow rates. For Scenario 2, the above conditions also applied; however, the flow rates of the individual sources were used in a materials balance equation calculation to determine the dilution, as would be expected to occur in Pond B-5 resulting from other inputs of uncontaminated water.

B.3 RESULTS

B.3.1 Nonradiological Risks and Hazard Indices

B.3.1.1 Scenario 1

Results of the nonradionuclide risk assessment for Scenario 1 are presented in Table B-2, which provides both the LECR-I and HI for each condition examined. As can be seen in the Table, LECR-I values fall within the range (10^{-4} to 10^{-6}) for Superfund site remediation goals (EPA, 1990), with the exception of Conditions 1 and 7 (which just exceed 10^{-4}). Two values for HI (Conditions 1 and 7) exceed the Superfund noncancer HI goal of 1.0 (EPA, 1989).

The results of the examination of the different conditions under Scenario 1 are discussed below:

Condition 1

The highest LECR-I and HI values are associated with Condition 1, which represents the nontreated discharge of SW-59, the source with the highest contaminant concentrations. It is also apparent in the table that SW-59, when in any combination with the other sources, either drives the associated HI above the EPA goal of 1.0 or causes the value of HI to approach the 1.0 limit.

Condition 2

Condition 2, which represents the risks associated with SW-61, has risk levels that are generally between those for SW-59 and SW-132. These levels meet the Superfund site remediation goals.

Table B-2

Nonradiological Risk and Hazard Index Summary for Scenario 1

Condition	SW Sources Not Treated	LECR-I				HI			
		Total	Fraction[a]			Total	Fraction[a]		
			059	061	132		059	061	132
1	59	4.0E-4	1.0	—[b]	—	6.7	1.0	—	—
2	61	5.8E-5	—	1.0	—	0.4	—	1.0	—
3	132	9.6E-5	—	—	1.0	0.1	—	—	1.0
4	59 and 61	8.2E-5	0.34	0.66	—	0.8	0.56	0.43	—
5	61 and 132	6.8E-5	—	0.64	0.36	0.3	—	0.89	0.11
6	All	8.5E-5	0.24	0.48	0.28	0.6	0.52	0.42	0.05
7	59 and 132	1.5E-4	0.46	—	0.54	1.3	0.92	—	0.09

[a] Fraction contributed by each source to condition specific LECR-I or HI
[b] A dash (—) denotes that the source was not included in, and not assessed for, that particular condition.

Note: EPA considers an LECR-I greater than 10^{-4} and an HI greater than 1.0 as indicative of a condition for possible remedial action.

Condition 3

The lowest LECR-I (9.6×10^{-5}) and HI (0.1) values were calculated for SW-132. As demonstrated in the sampling results (Tables A-1 and A-2), this is the least contaminated of the sources examined and such results are expected.

Condition 4

Condition 4 represents treatment of SW-132, the least contaminated of the sources, and the untreated discharge of SW-59 and SW-61. The calculated LECR-I and HI values, 8.2×10^{-5} and 0.8, respectively, reflect the dilution of SW-59 by SW-61, which has the highest flow rates of the sources studied.

Condition 5

The lowest LECR-I and HI values for any combination of two or more sources are those for Condition 5, which represents treatment of SW-59 and the nontreated release of water from SW-61 and SW-132. For this combination of sources, an LECR-I of 6.8×10^{-5} and an HI of 0.3 was calculated, both of which are within the EPA Superfund remediation guidelines discussed above.

Condition 6

Condition 6 represents the untreated discharge of water from all of the OU2 sources and, thus, is equivalent to a baseline or no-action condition. The LECR-I (8.5×10^{-5}) and HI (0.6) values calculated for this condition are below the EPA criteria.

Condition 7

The results for Condition 7, untreated discharge of SW-59 and SW-132, are elevated due to insufficient volume from SW-132 (5 gal/min) to dilute the discharge from the most contaminated source, SW-59. The LECR-I value (1.5×10^{-4}) and the HI value (1.3) are in excess of the EPA criteria and are, thus, unacceptable.

B.3.1.2 Scenario 2

The results of the nonradiological risk assessment for Scenario 2 are presented in Table B-3. In this Scenario, all of the associated LECR-I values are within the EPA remediation goals of 10^{-4} to 10^{-6} with the highest value, 6.7×10^{-6}, for Condition 2. In addition, all HI values are at least one order of magnitude below the EPA acceptable level of 1.0; the highest value of 0.05 was for Conditions 1 and 4 and is associated with the contaminant levels discharged from SW-059. Thus, in this scenario there are no unacceptable risks presented by the OU2 surface water sources.

B.3.2 Radiological Risk

Table B-4 presents the results of the radionuclide risk assessment for the OU2 surface water sources in Scenario 1; the results for Scenario 2 are presented in Table B-5. All of the values calculated for LECR-M are well within the Superfund site remediation goals of 10^{-4} to 10^{-6} (EPA, 1990). Thus, the risks associated with radionuclides discharging from the OU2 sources will not be the primary factors for determining the need for collection and treatment of the sources.

B.3.3 Radiological Dose

In order to demonstrate compliance with DOE Order 5400.5, a radiological dose analysis was performed for Scenario 1 and Scenario 2 following the guidance given in DOE (1988). The results of these analyses are presented in Table B-6 and Table B-7, respectively. These analyses demonstrate that potential radiological doses related to exposure resulting from consumption of surface water from the OU2 sources would be more than an order of magnitude below the DOE compliance guideline of 100 mrem/year for Scenario 1 and more than two orders of magnitude below the guideline for Scenario 2.

Table B-3

Summary of Nonradiological Risk for Scenario 2

Condition	Untreated Sources	LECR-I	HI
1	59	3.2E-6	0.05
2	61	6.7E-6	0.04
3	132	3.9E-6	0.005
4	59 and 61	1.0E-5	0.1
5	61 and 132	1.1E-5	0.05
6	All	1.4E-5	0.1
7	59 and 132	7.2E-6	0.005

Note: EPA considers an LECR-I of greater than 10^{-4} and an HI of greater than 1.0 to indicate possible candidates for remedial action.

Table B-4

Radiological Risk Summary for Scenario 1

Condition	LECR-M
1	2.7E-6
2	2.0E-6
3	2.1E-6
4	2.1E-6
5	2.1E-6
6	2.1E-6
7	2.2E-6

Note: EPA considers an LECR-M of greater than 10^{-4} to indicate possible candidates for remedial action.

Table B-5

Radiological Risk Summary for Scenario 2

Condition	LECR-M
1	2.2E-8
2	2.3E-7
3	8.7E-8
4	2.5E-7
5	3.2E-7
6	3.4E-7
7	8.7E-8

Note: EPA considers an LECR-M of greater than 10^{-4} to indicate possible candidates for remedial action.

Table B-6

Condition-Specific Radiation Dose Analysis for Scenario 1

Condition	Committed Effective Dose Equivalent (mrem/yr)
1	1.4
2	1.0
3	1.2
4	1.1
5	1.1
6	1.1
7	1.2

Table B-7

Condition-Specific Radiation Dose Analysis for Scenario 2

Condition	Committed Effective Dose Equivalent (mrem/yr)
1	0.01
2	0.12
3	0.05
4	0.13
5	0.16
6	0.18
7	0.06

B.4 REFERENCES

DOE. 1988. *Internal Dose Conversion Factors for Calculation of Dose to the Public*, DOE/EH-0071. U. S. Department of Energy, Washington, DC.

EG&G. 1991. *Surface Water Interim Remedial Action Plan*, EG&G Rocky Flats Inc., Golden, CO

EPA (Environmental Protection Agency). 1989. *Risk Assessment Guidance for Superfund*, EPA/540/1-89/002. Office of Emergency and Remedial Response, Washington, DC.

EPA (Environmental Protection Agency). 1990. *National Oil and Hazardous Substances Pollution Contingency Plan*, Final Rule. March 8, 1990, 40 CFR 300, Washington, DC.

EPA (Environmental Protection Agency). 1992. *Health Effects Assessment Summary Tables*, OHEA ECAO-CIN-821. Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH.

ATTACHMENT A

COMPUTATIONAL DETAILS

SUMMARY OF DATA ANALYSIS

Nonradionuclides

Mean values used in determining risk were calculated using uniform replacement of nondetected values. For example, with four nondetects at a detection limit of 10.0, the four nondetects are replaced uniformly by 2.0, 4.0, 6.0, and 8.0. The mean values are geometric means. The geometric mean is also an estimate of the median of the data distribution.

The VOCs acetone and methylene chloride were not assessed due to their being common laboratory contaminants.

Metals that are common nutrients (calcium, magnesium, potassium, and sodium) were not considered in the risk calculations. Risks and hazard indices were calculated using the data for total metals.

Nonradionuclide contaminants assessed are listed in Table A-1.

Radionuclides

Mean values used in determining risks were calculated as explained above.

Risk calculations were performed using data for total radionuclides as dissolved radionuclide data were not available.

Radionuclide contaminants assessed are listed in Table A-2.

Table . Condition Specific Water Intake

Condition	Fraction Contributed		
	SW-059	SW-061	SW-132
1	1	-	-
2	-	1	-
3	-	-	1
4	0.07	0.93	-
5	-	0.74	0.26
6	0.05	0.7	0.25
7	0.17	-	0.83

Table A-1. Nonradionuclide Potential Contaminants of Concern

Contaminant	Mean Conc. (ug/l) SW-059	SW-061	SW-132	SF (1/mg/kg/day)		RfD (mg/kg/day)	
VOLATILE/SEMI-VOLATILE ORGANICS							
1,1,1-trichloroethane	12.516	2.46206	-			9.00E-02	H
1,1-dichloroethane	3.702	-	-			1.00E-01	H
1,1-dichloroethene	7.776	2.65	-	6.00E-01	I	9.00E-03	I
1,2-dichloroethane	2.15114	-	-	9.10E-02	I		
1,2-dichloroethene	60.245	9.46878	4.214			9.00E-03	H
carbon tetrachloride	154.418	4.66926	-	1.30E-01	I	7.00E-04	I
chloroform	25.045	1.85521	-	6.10E-03	I	1.00E-02	I
tetrachloroethene	76.612	3.35684	-			1.00E-02	I
trichloroethene	86.571	4.46826	-				
vinyl chloride	4.64133	1.454	4.2802	1.90E+00	H		
TOTAL METALS							
Barium	185.23	153.97	98.87			7.00E-02	I
Cadmium	1.08329	1.06184	1.07251			5.00E-04	I
Lead	1.76827	1.41907	1.44773				
Lithium	-	7.31553	7.84597				
Selenium	0.92312	0.91393	2.55998			5.00E-03	I
Strontium	733.49	455.48	110.76			6.00E-01	I
Thallium	2.63	0.97045	1				
Zinc	340.22	123.9651	25.53372			3.00E-01	I

I = IRIS, H = HEAST

Table A-2. Radionuclide Potential Contaminants of Concern

Radionuclide	Mean Conc. (pCi/l) SW-059	SW-061	SW-132	SF (1/pCi)	
Americium-241	0.0361	0.0231	0.04315	2.40E-10	H
Plutonium-239, 240	0.01485	0.0084	0.00451	2.30E-10	H
Tritium	113.47751	164.9051	77.34299	5.40E-14	H
Uranium-total	6.06088	4.38695	5.41724		
Uranium-233, 234	3.53873	2.49945	2.79558	1.60E-11	H
Uranium-235	0.14776	0.11992	0.09569	1.60E-11	H
Uranium-238	3.10873	2.40815	2.4949	1.60E-11	H

H = HEAST

NOTE: Blanks (-) denote that the contaminants were not detected.

FORMULAS FOR NONRADIONUCLIDE RISK CALCULATION

A. Water Ingestion Calculation

$$\text{Exposure} = \frac{(CW)(IR)(EF)(ED)(CF)}{(BW)(AT)}$$

CW = contaminant concentration in water, mg/ℓ
IR = ingestion rate = 2 ℓ/day (EPA, 1989)
EF = exposure frequency = 350 days/year (EPA, 1989)
ED = exposure duration = 30 years (EPA, 1989)
CF = conversion factor = 10^{-3} mg/μg
BW = body weight = 70 kg (time weighted average)
AT = averaging time = 10950 days (noncarcinogens)
25550 days (carcinogens)

B. Risk Calculation (carcinogens)

Risk = (Exposure, mg/kg/day)(Slope Factor, $[\text{mg/kg/day}]^{-1}$)

Total Risk (LECR-I) = $(DF)_i[(FI_x Risk_x) + (FI_y Risk_y) + (FI_z Risk_z)]$

FI	=	fraction ingested from contaminated source (condition dependent)
x, y, z	=	seep designations
DF_i	=	dilution factor (scenario and condition dependent) = source flow/total B-5 flow

Note: LECR-I values are cumulative for all contaminants.

C. Hazard Calculation (noncarcinogens)

Hazard Quotient (HQ) = (Exposure, mg/kg/day)/(RfD, mg/kg/day)

RfD = Reference Dose

Hazard Index (HI) = $(DF)_i\ [(FI_x HQ_x) + (FI_y HQ_y) + (FI_z HQ_z)]$

FI	=	fraction ingested from contaminated source (condition dependent)
x, y, z	=	seep designations
DF_i	=	dilution factor (scenario and condition dependent) = source flow/total B-5 flow

Table A-3. Scenario 1 Water Ingestion Calculations - Non-Radionuclides

Parameter	Unit	Constants
Water Concentration (mean)	ug/l	
Intake	l/day	2.0
Exp. Frequency	day/yr	350
Exp. Duration	yr	30
Body Weight	kg	70
Conversion factor	mg/ug	0.001
Averaging Time (noncarcinogen)	days	10950
Averaging Time (carcinogen)	days	25550

Contaminant	SW-059		SW-061		SW-132	
	Risk	HQ	Risk	HQ	Risk	HQ
VOLATILE/SEMI-VOLATILE ORGANICS						
1,1,1-trichloroethane	0.00E+00	3.81E-03	0.00E+00	7.49E-04	0.00E+00	0.00E+00
1,1-dichloroethane	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1-dichloroethene	5.48E-05	2.37E-02	1.87E-05	8.07E-03	0.00E+00	0.00E+00
1,2-dichloroethane	2.30E-06		0.00E+00		0.00E+00	
1,2-dichloroethene	0.00E+00	1.83E-01	0.00E+00	2.88E-02	0.00E+00	1.28E-02
carbon tetrachloride	2.36E-04	6.04E+00	7.13E-06	1.83E-01	0.00E+00	0.00E+00
chloroform	1.79E-06	6.86E-02	1.33E-07	5.08E-03	0.00E+00	0.00E+00
tetrachloroethene	0.00E+00	2.10E-01	0.00E+00	9.20E-03	0.00E+00	0.00E+00
trichloroethene	0.00E+00		0.00E+00		0.00E+00	
vinyl chloride	1.04E-04		3.24E-05		9.55E-05	
TOTAL METALS						
Barium	0.00E+00	7.25E-02	0.00E+00	6.03E-02	0.00E+00	3.87E-02
Cadmium	0.00E+00	5.94E-02	0.00E+00	5.82E-02	0.00E+00	5.88E-02
Lead	0.00E+00		0.00E+00		0.00E+00	
Lithium	0.00E+00		0.00E+00		0.00E+00	
Selenium	0.00E+00	5.06E-03	0.00E+00	5.01E-03	0.00E+00	1.40E-02
Strontium	0.00E+00	3.35E-02	0.00E+00	2.08E-02	0.00E+00	5.06E-03
Thallium	0.00E+00		0.00E+00		0.00E+00	
Zinc	0.00E+00	3.11E-02	0.00E+00	1.13E-02	0.00E+00	2.33E-03

Nonradionuclide Risk Summary Based on Mean Water Concentration:

SW-059:

a) Sum of cancer risk = 3.98E-04

b) Hazard Index = 6.74E+00

SW-061:

a) Sum of cancer risk = 5.84E-05

b) Hazard Index = 3.90E-01

SW-132:

a) Sum of cancer risk = 9.55E-05

b) Hazard Index = 1.32E-01

Table A-4. Scenario 1 Condition-Specific Nonradionuclide Risk Summaries and Hazard Indices.

Condition	Risk				HI			
	SW-059	SW-061	SW-132	LECR-I	SW-059	SW-061	SW-132	Total
1	3.98E-04	0.00E+00	0.00E+00	3.98E-04	6.74E+00	0.00E+00	0.00E+00	6.74E+00
2	0.00E+00	5.84E-05	0.00E+00	5.84E-05	0.00E+00	3.90E-01	0.00E+00	3.90E-01
3	0.00E+00	0.00E+00	9.55E-05	9.55E-05	0.00E+00	0.00E+00	1.32E-01	1.32E-01
4	2.79E-05	5.43E-05	0.00E+00	8.22E-05	4.71E-01	3.63E-01	0.00E+00	8.34E-01
5	0.00E+00	4.32E-05	2.48E-05	6.80E-05	0.00E+00	2.89E-01	3.42E-02	3.23E-01
6	1.99E-05	4.09E-05	2.39E-05	8.46E-05	3.37E-01	2.73E-01	3.29E-02	6.43E-01
7	6.77E-05	0.00E+00	7.93E-05	1.47E-04	1.15E+00	0.00E+00	1.09E-01	1.25E+00

Table A-5. Scenario 2 Water Ingestion Calculations - Non-Radionuclides

Parameter	Unit	Constants
Water Concentration (mean)	ug/l	
Intake	l/day	2.0
Exp. Frequency	day/yr	350
Exp. Duration	yr	30
Body Weight	kg	70
Conversion factor	mg/ug	0.001
Dilution factor:		
Condition 1		0.0081
Condition 2		0.1139
Condition 3		0.0407
Condition 4		0.122
Condition 5		0.1546
Condition 6		0.1627
Condition 7		0.0488
Averaging Time (noncarcinogen)	days	10950
Averaging Time (carcinogen)	days	25550

Contaminant	SW-059		SW-061		SW-132	
	Risk	HQ	Risk	HQ	Risk	HQ
VOLATILE/SEMI-VOLATILE ORGANICS						
1,1,1-trichloroethane	0.00E+00	3.81E-03	0.00E+00	7.49E-04	0.00E+00	0.00E+00
1,1-dichloroethane	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1-dichloroethene	5.48E-05	2.37E-02	1.87E-05	8.07E-03	0.00E+00	0.00E+00
1,2-dichloroethane	2.30E-06		0.00E+00		0.00E+00	
1,2-dichloroethene	0.00E+00	1.83E-01	0.00E+00	2.88E-02	0.00E+00	1.28E-02
carbon tetrachloride	2.36E-04	6.04E+00	7.13E-06	1.83E-01	0.00E+00	0.00E+00
chloroform	1.79E-06	6.86E-02	1.33E-07	5.08E-03	0.00E+00	0.00E+00
tetrachloroethene	0.00E+00	2.10E-01	0.00E+00	9.20E-03	0.00E+00	0.00E+00
trichloroethene	0.00E+00		0.00E+00		0.00E+00	
vinyl chloride	1.04E-04		3.24E-05		9.55E-05	
TOTAL METALS						
Barium	0.00E+00	7.25E-02	0.00E+00	6.03E-02	0.00E+00	3.87E-02
Cadmium	0.00E+00	5.94E-02	0.00E+00	5.82E-02	0.00E+00	5.88E-02
Lead	0.00E+00		0.00E+00		0.00E+00	
Lithium	0.00E+00		0.00E+00		0.00E+00	
Selenium	0.00E+00	5.06E-03	0.00E+00	5.01E-03	0.00E+00	1.40E-02
Strontium	0.00E+00	3.35E-02	0.00E+00	2.08E-02	0.00E+00	5.06E-03
Thallium	0.00E+00		0.00E+00		0.00E+00	
Zinc	0.00E+00	3.11E-02	0.00E+00	1.13E-02	0.00E+00	2.33E-03

Nonradionuclide Risk Summary Based on Mean Water Concentration:

SW-059 (Condition 1):

a) Sum of cancer risk = 3.22E-06

b) Hazard Index = 5.46E-02

SW-061 (Condition 2):

a) Sum of cancer risk = 6.65E-06

b) Hazard Index = 4.44E-02

SW-132 (Condition 3):

a) Sum of cancer risk = 3.89E-06

b) Hazard Index = 5.36E-03

Table A-6. Scenario 2 Condition-Specific Nonradionuclide Risk Summaries and Hazard Indices

Condition	LECR-I	HI
1	3.22E-06	5.46E-02
2	6.65E-06	4.44E-02
3	3.89E-06	5.36E-03
4	1.00E-05	1.02E-01
5	1.05E-05	4.99E-02
6	1.38E-05	1.05E-01
7	7.17E-06	5.33E-03

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ALUMINUM:	05/08/91	SW01161WC	40.90 U JA	SW01163WC	108.00 U V	SW01182WC	108.00 U V	200.00
	06/20/91	SW01264WC	10.00 U JA	SW01266WC	10.00 U JA	SW01285WC	10.00 U R	200.00
	07/22/91		.		.	SW01388WC	36.80 U V	36.80
	08/07/91	SW01473WC	18.00 U JA	SW01475WC	36.80 U V	SW01494WC	17.00 U JA	200.00
	09/17/91	SW01579WC	22.30 U V	SW01581WC	22.30 U V	SW01600WC	22.30 U V	22.30
	10/17/91		.	SW01687WC	22.30 U V		.	22.30
	10/21/91	SW01685WC	22.30 U V		.	SW01706WC	22.30 U V	22.30
	01/27/92	SW01807WC	22.40 U V	SW01809WC	22.40 U V	SW01805WC	22.40 U V	22.40
	04/06/92	SW70259WC	94.70 U JA	SW70260WC	29.20 U V	SW70261WC	29.20 U V	200.00
	04/22/92	SW70266WC	32.10 U JA	SW70267WC	34.60 U JA	SW70268WC	35.50 U JA	29.20
	04/23/92		.		.	SW01887WC	44.70 U JA	29.20
	04/27/92	SW01889WC	76.00 U JA	SW01891WC	60.90 U JA		.	29.20
	05/06/92	SW70271WC	54.50 B V	SW70272WC	29.20 U V	SW70273WC	29.20 U V	200.00
	05/20/92	SW70285WC	29.20 U V	SW70286WC	29.20 U V	SW70287WC	29.20 U V	29.20
	06/04/92	SW70290WC	57.90 U JA	SW70291WC	29.90 U JA	SW70292WC	32.50 U JA	200.00
	06/17/92	SW70293WC	29.20 U V	SW70294WC	29.20 U V	SW70295WC	29.20 U V	29.20
	07/02/92	SW70296WC	29.40 U JA	SW70297WC	20.90 U V	SW70298WC	24.60 U JA	200.00
	07/15/92		.	SW70300WC	22.90 B V	SW70301WC	32.90 B V	200.00
	07/29/92	SW70302WC	22.60 E JA	SW70303WC	718.00 E JA	SW70304WC	229.00 E JA	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	29.40 U JA	SW70307WC	17.00 U V	200.00
	08/20/92	SW02012WC	17.00 U V	SW02013WC	17.00 U V	SW02011WC	17.00 U V	17.00
	08/26/92	SW70310WC	17.30 U V	SW70309WC	17.30 U JA	SW70308WC	17.30 U V	200.00
	09/08/92	SW70314WC	14.70 U JA	SW70313WC	14.70 U JA	SW70312WC	14.70 U V	200.00
	09/22/92	SW70315WC	89.00 U JA	SW70316WC	36.50 U JA	SW70317WC	30.10 U JA	200.00
	10/07/92	SW70321WC	44.40	SW70320WC	45.80	SW70319WC	49.60	200.00
	10/21/92	SW70324WC	32.70	SW70323WC	14.70 U		.	200.00
	11/06/92		.	SW70326WC	35.80	SW70325WC	32.10	200.00
	11/17/92		.	SW70329WC	14.80	SW70328WC	20.10	200.00

QUALIFIER CODES: U = Analyzed but not detected. B = Reported value is less than CRDL, but greater than IDL.
E = Result is estimated. W = Post-digestion spike out of control limits. * = duplicate analysis outside control limits.
S = Reported value was determined by method of standard additions. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ALUMINUM:	12/03/92		.	SW70332WC	22.50	SW70331WC	48.30	200.00
	12/16/92		.	SW70337WC	27.00 U	SW70336WC	27.00 U	200.00
	01/06/93		.	SW70340WC	27.00 U	SW70339WC	27.00 U	200.00
	01/13/93	SW70344WC	1890.00	SW70343WC	18.00 U	SW70342WC	18.00 U	200.00
	01/27/93	SW70347WC	31.70 U	SW70346WC	31.70 U	SW70345WC	31.70 U	31.70
	02/09/93	SW70350WC	21.00 B	SW70349WC	18.80 B	SW70348WC	18.00 U	40.00
ANTIMONY:	05/08/91	SW01161WC	19.80 B V	SW01163WC	25.60 U V	SW01182WC	25.60 U V	60.00
	06/20/91	SW01264WC	11.00 U V	SW01266WC	11.00 U JA	SW01285WC	11.00 U V	60.00
	07/22/91		.		.	SW01388WC	42.20 U V	42.20
	08/07/91	SW01473WC	11.00 U V	SW01475WC	42.20 U V	SW01494WC	12.00 V	60.00
	09/17/91	SW01579WC	13.80 U V	SW01581WC	13.80 U V	SW01600WC	13.80 U V	13.80
	10/17/91		.	SW01687WC	13.80 U V		.	13.80
	10/21/91	SW01685WC	13.80 U V		.	SW01706WC	13.80 U V	13.80
	01/27/92	SW01807WC	13.50 U V	SW01809WC	13.50 U V	SW01805WC	13.50 U V	13.50
	04/06/92	SW70259WC	18.00 U V	SW70260WC	19.80 U V	SW70261WC	19.80 U V	60.00
	04/22/92	SW70266WC	19.80 U V	SW70267WC	25.40 U JA	SW70268WC	19.80 U V	19.80
	04/23/92		.		.	SW01887WC	19.80 U V	19.80
	04/27/92	SW01889WC	37.50 U JA	SW01891WC	33.40 U JA		.	19.80
	05/06/92	SW70271WC	18.00 U V	SW70272WC	19.80 U V	SW70273WC	19.80 U V	60.00
	05/20/92	SW70285WC	19.80 U V	SW70286WC	33.40 U JA	SW70287WC	24.40 U JA	19.80
	06/04/92	SW70290WC	18.00 U V	SW70291WC	18.00 U V	SW70292WC	18.00 U V	60.00
	06/17/92	SW70293WC	19.80 U V	SW70294WC	19.80 U V	SW70295WC	19.80 U V	19.80
	07/02/92	SW70296WC	49.30 U V	SW70297WC	49.30 U V	SW70298WC	49.30 U V	60.00
	07/15/92		.	SW70300WC	49.30 U JA	SW70301WC	49.30 U JA	60.00
	07/29/92	SW70302WC	17.30 V	SW70303WC	16.50 U V	SW70304WC	16.50 U V	60.00
	08/13/92	SW70305WC	60.00 U	SW70306WC	20.80 U JA	SW70307WC	18.80 U V	60.00
	08/20/92	SW02012WC	28.10 U JA	SW02013WC	29.50 U JA	SW02011WC	18.80 U V	18.80

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VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ANTIMONY:	08/26/92	SW70310WC	16.50 U JA	SW70309WC	16.50 U JA	SW70308WC	16.50 U JA	60.00
	09/08/92	SW70314WC	14.80 U V	SW70313WC	21.00 U JA	SW70312WC	14.80 U V	60.00
	09/22/92	SW70315WC	14.80 U JA	SW70316WC	14.80 U JA	SW70317WC	14.80 U JA	60.00
	10/07/92	SW70321WC	14.80 U	SW70320WC	14.80 U	SW70319WC	14.80 U	60.00
	10/21/92	SW70324WC	14.80 U	SW70323WC	14.80 U		.	60.00
	11/06/92		.	SW70326WC	14.80 U	SW70325WC	14.80 U	60.00
	11/17/92		.	SW70329WC	14.80 U	SW70328WC	18.40	60.00
	12/03/92		.	SW70332WC	14.80 U	SW70331WC	14.90	60.00
	12/16/92		.	SW70337WC	18.40 U	SW70336WC	18.40 U	60.00
	01/06/93		.	SW70340WC	18.40 U	SW70339WC	18.40 U	60.00
	01/13/93	SW70344WC	23.00 U	SW70343WC	23.00 U	SW70342WC	23.00 U	60.00
	01/27/93	SW70347WC	19.70 U	SW70346WC	19.70 U	SW70345WC	19.70 U	19.70
	02/09/93	SW70350WC	23.00 U	SW70349WC	23.00 U	SW70348WC	23.00 U	12.00
ARSENIC:	05/08/91	SW01161WC	2.00 U V	SW01163WC	0.90 U JA	SW01182WC	0.90 U JA	10.00
	06/20/91	SW01264WC	4.00 U JA	SW01266WC	4.00 U JA	SW01285WC	4.00 U JA	10.00
	07/22/91		.		.	SW01388WC	0.70 U R	0.70
	08/07/91	SW01473WC	2.00 U V	SW01475WC	0.70 U V	SW01494WC	2.00 U V	10.00
	09/17/91	SW01579WC	1.10 U JA	SW01581WC	1.10 U V	SW01600WC	1.50 JA	1.10
	10/17/91		.	SW01687WC	1.10 U V		.	1.10
	10/21/91	SW01685WC	1.10 U JA		.	SW01706WC	1.10 U JA	1.10
	01/27/92	SW01807WC	1.30 U V	SW01809WC	1.30 U JA	SW01805WC	1.30 U V	1.30
	04/06/92	SW70259WC	2.00 U V	SW70260WC	0.80 U R	SW70261WC	0.80 U R	10.00
	04/22/92	SW70266WC	0.80 U R	SW70267WC	0.80 U JA	SW70268WC	0.80 U R	0.80
	04/23/92		.		.	SW01887WC	0.80 U JA	0.80
	04/27/92	SW01889WC	0.80 U JA	SW01891WC	0.80 U JA		.	0.80
	05/06/92	SW70271WC	1.00 U V	SW70272WC	1.70 U V	SW70273WC	1.70 V	10.00
	05/20/92	SW70285WC	1.70 U V	SW70286WC	1.70 U V	SW70287WC	1.70 U V	1.70

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ARSENIC:	06/04/92	SW70290WC	1.00 B V	SW70291WC	1.30 B V	SW70292WC	1.00 B V	10.00
	06/17/92	SW70293WC	0.70 U JA	SW70294WC	0.70 U JA	SW70295WC	0.70 U R	0.70
	07/02/92	SW70296WC	2.00 U V	SW70297WC	2.00 U V	SW70298WC	2.00 B V	10.00
	07/15/92		.	SW70300WC	2.00 U V	SW70301WC	2.00 U V	10.00
	07/29/92	SW70302WC	3.10 V	SW70303WC	3.20 V	SW70304WC	2.30 W JA	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	1.00 U JA	SW70307WC	1.00 U JA	10.00
	08/20/92	SW02012WC	1.00 U JA	SW02013WC	1.00 U JA	SW02011WC	1.30 JA	1.00
	08/26/92	SW70310WC	1.90 U V	SW70309WC	1.90 U V	SW70308WC	1.90 U V	10.00
	09/08/92	SW70314WC	3.20 U V	SW70313WC	3.20 U V	SW70312WC	3.20 U V	10.00
	09/22/92	SW70315WC	1.90 U JA	SW70316WC	1.90 U JA	SW70317WC	1.90 U JA	10.00
	10/07/92	SW70321WC	1.90 U	SW70320WC	1.90 U	SW70319WC	1.90 U	10.00
	10/21/92	SW70324WC	3.20 U	SW70323WC	3.20 U		.	10.00
	11/06/92		.	SW70326WC	1.90 U	SW70325WC	3.40 I	10.00
	11/17/92		.	SW70329WC	2.20 U	SW70328WC	2.20	10.00
	12/03/92		.	SW70332WC	2.30	SW70331WC	4.70 I	10.00
	12/16/92		.	SW70337WC	3.50	SW70336WC	7.10	10.00
	01/06/93		.	SW70340WC	2.00 U	SW70339WC	3.20	10.00
	01/13/93	SW70344WC	1.00 U	SW70343WC	1.00 U	SW70342WC	1.00 U	10.00
	01/27/93	SW70347WC	1.40 U	SW70346WC	1.40 U	SW70345WC	1.40 U	1.40
	02/09/93	SW70350WC	1.00 U	SW70349WC	1.00 U	SW70348WC	1.00 U	2.00
BARIUM:	05/08/91	SW01161WC	156.00 B V	SW01163WC	146.00 V	SW01182WC	75.40 V	200.00
	06/20/91	SW01264WC	200.00 V	SW01266WC	180.00 V	SW01285WC	130.00 V	200.00
	07/22/91		.		.	SW01388WC	97.90 V	4.60
	08/07/91	SW01473WC	85.00 V	SW01475WC	119.00 V	SW01494WC	100.00 V	200.00
	09/17/91	SW01579WC	195.00 U JA	SW01581WC	137.00 V	SW01600WC	135.00 U JA	5.60
	10/17/91		.	SW01687WC	145.00 V		.	5.60
	10/21/91	SW01685WC	170.00 V		.	SW01706WC	98.20 V	5.60

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BARIUM:	01/27/92	SW01807WC	172.00 V	SW01809WC	172.00 V	SW01805WC	116.00 V	5.70
	04/06/92	SW70259WC	189.00 B V	SW70260WC	162.00 V	SW70261WC	148.00 V	200.00
	04/22/92	SW70266WC	170.00 V	SW70267WC	161.00 V	SW70268WC	107.00 V	3.80
	04/23/92		.		.	SW01887WC	112.00 V	3.80
	04/27/92	SW01889WC	181.00 V	SW01891WC	173.00 V		.	3.80
	05/06/92	SW70271WC	167.00 BEJA	SW70272WC	175.00 V	SW70273WC	94.70 V	200.00
	05/20/92	SW70285WC	178.00 V	SW70286WC	165.00 V	SW70287WC	104.00 V	3.80
	06/04/92	SW70290WC	172.00 B V	SW70291WC	150.00 B V	SW70292WC	99.00 B V	200.00
	06/17/92	SW70293WC	162.00 V	SW70294WC	169.00 V	SW70295WC	99.30 V	3.80
	07/02/92	SW70296WC	198.00 B V	SW70297WC	170.00 B V	SW70298WC	99.80 B V	200.00
	07/15/92		.	SW70300WC	170.00 B V	SW70301WC	93.00 B V	200.00
	07/29/92	SW70302WC	197.00 V	SW70303WC	169.00 V	SW70304WC	90.90 V	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	162.00 V	SW70307WC	99.40 V	200.00
	08/20/92	SW02012WC	162.00 V	SW02013WC	138.00 V	SW02011WC	77.20 V	5.10
	08/26/92	SW70310WC	81.00 V	SW70309WC	123.00 V	SW70308WC	101.00 V	200.00
	09/08/92	SW70314WC	170.00 V	SW70313WC	160.00 V	SW70312WC	108.00 V	200.00
	09/22/92	SW70315WC	166.00 JA	SW70316WC	163.00 JA	SW70317WC	106.00 JA	200.00
	10/07/92	SW70321WC	155.00	SW70320WC	162.00	SW70319WC	89.00	200.00
	10/21/92	SW70324WC	167.00	SW70323WC	113.00		.	200.00
	11/06/92		.	SW70326WC	156.00	SW70325WC	34.20	200.00
	11/17/92		.	SW70329WC	152.00	SW70328WC	73.30	200.00
	12/03/92		.	SW70332WC	147.00	SW70331WC	71.80	200.00
	12/16/92		.	SW70337WC	169.00	SW70336WC	112.00	200.00
	01/06/93		.	SW70340WC	154.00 I	SW70339WC	88.70 I	200.00
	01/13/93	SW70344WC	171.00 B	SW70343WC	195.00 B	SW70342WC	67.00 B	200.00
	01/27/93	SW70347WC	160.00	SW70346WC	129.00	SW70345WC	71.40	6.50
	02/09/93	SW70350WC	174.00 B	SW70349WC	108.00 B	SW70348WC	80.30 B	40.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BERYLLIUM:	05/08/91	SW01161WC	1.00 U V	SW01163WC	0.50 U V	SW01182WC	0.50 U V	5.00
	06/20/91	SW01264WC	1.00 U V	SW01266WC	1.00 U V	SW01285WC	1.00 U V	5.00
	07/22/91		.		.	SW01388WC	0.60 U V	0.60
	08/07/91	SW01473WC	1.00 U V	SW01475WC	0.60 U V	SW01494WC	1.00 U V	5.00
	09/17/91	SW01579WC	0.50 U V	SW01581WC	0.50 U V	SW01600WC	0.50 U V	0.50
	10/17/91		.	SW01687WC	0.50 U V		.	0.50
	10/21/91	SW01685WC	0.50 U V		.	SW01706WC	0.50 U V	0.50
	01/27/92	SW01807WC	0.80 V	SW01809WC	0.80 U V	SW01805WC	0.80 U V	0.80
	04/06/92	SW70259WC	1.00 U V	SW70260WC	0.60 U V	SW70261WC	0.90 U JA	5.00
	04/22/92	SW70266WC	0.70 U JA	SW70267WC	0.60 U V	SW70268WC	0.80 U JA	0.60
	04/23/92		.		.	SW01887WC	1.10 U JA	0.60
	04/27/92	SW01889WC	0.60 U JA	SW01891WC	0.60 U V		.	0.60
	05/06/92	SW70271WC	1.00 U V	SW70272WC	0.60 U V	SW70273WC	0.60 U V	5.00
	05/20/92	SW70285WC	0.60 U V	SW70286WC	0.60 U V	SW70287WC	0.60 U V	0.60
	06/04/92	SW70290WC	1.20 U JA	SW70291WC	1.00 U V	SW70292WC	1.00 U V	5.00
	06/17/92	SW70293WC	0.60 U JA	SW70294WC	0.60 U JA	SW70295WC	0.60 U JA	0.60
	07/02/92	SW70296WC	1.10 U V	SW70297WC	1.10 U V	SW70298WC	1.10 U V	5.00
	07/15/92		.	SW70300WC	1.10 U V	SW70301WC	1.10 U V	5.00
	07/29/92	SW70302WC	0.40 U V	SW70303WC	0.40 U V	SW70304WC	0.40 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	0.60 U V	SW70307WC	0.60 U V	5.00
	08/20/92	SW02012WC	0.60 U V	SW02013WC	1.40 U JA	SW02011WC	0.60 U V	0.60
	08/26/92	SW70310WC	0.40 U V	SW70309WC	0.40 U JA	SW70308WC	0.40 U V	5.00
	09/08/92	SW70314WC	0.30 U V	SW70313WC	0.30 U V	SW70312WC	0.30 U V	5.00
	09/22/92	SW70315WC	0.30 U JA	SW70316WC	0.30 U JA	SW70317WC	0.30 U JA	5.00
	10/07/92	SW70321WC	0.30 U	SW70320WC	0.30 U	SW70319WC	0.30 U	5.00
	10/21/92	SW70324WC	0.30 U	SW70323WC	0.30 U		.	5.00
	11/06/92		.	SW70326WC	0.30 U	SW70325WC	0.40	5.00
	11/17/92		.	SW70329WC	0.30 U	SW70328WC	0.30 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BERYLLIUM:	12/03/92		.	SW70332WC	0.30	SW70331WC	0.30	5.00
	12/16/92		.	SW70337WC	0.50 U	SW70336WC	0.50 U	5.00
	01/06/93		.	SW70340WC	0.50 U	SW70339WC	0.50 U	5.00
	01/13/93	SW70344WC	1.00 U	SW70343WC	1.00 U	SW70342WC	1.00 U	5.00
	01/27/93	SW70347WC	0.90 U	SW70346WC	0.90 U	SW70345WC	0.90 U	0.90
	02/09/93	SW70350WC	1.00 U	SW70349WC	1.00 U	SW70348WC	1.00 U	1.00
CADMIUM:	05/08/91	SW01161WC	2.00 U V	SW01163WC	3.30 U JA	SW01182WC	3.30 U JA	5.00
	06/20/91	SW01264WC	1.00 U V	SW01266WC	1.00 U JA	SW01285WC	1.00 U V	5.00
	07/22/91		.		.	SW01388WC	4.60 U V	4.60
	08/07/91	SW01473WC	2.00 U V	SW01475WC	4.60 U V	SW01494WC	2.00 U V	5.00
	09/17/91	SW01579WC	2.40 U V	SW01581WC	2.40 U V	SW01600WC	2.40 U V	2.40
	10/17/91		.	SW01687WC	2.40 U V		.	2.40
	10/21/91	SW01685WC	2.40 U V		.	SW01706WC	2.40 U V	2.40
	01/27/92	SW01807WC	2.80 U V	SW01809WC	2.80 U V	SW01805WC	2.80 U V	2.80
	04/06/92	SW70259WC	2.00 U V	SW70260WC	2.30 U JA	SW70261WC	2.30 U JA	5.00
	04/22/92	SW70266WC	2.30 U V	SW70267WC	2.30 U V	SW70268WC	2.30 U V	2.30
	04/23/92		.		.	SW01887WC	2.30 U V	2.30
	04/27/92	SW01889WC	2.30 U V	SW01891WC	2.30 U V		.	2.30
	05/06/92	SW70271WC	2.00 U JA	SW70272WC	2.30 U V	SW70273WC	2.60 V	5.00
	05/20/92	SW70285WC	2.30 U V	SW70286WC	2.30 U V	SW70287WC	2.30 U V	2.30
	06/04/92	SW70290WC	2.00 U V	SW70291WC	2.00 U V	SW70292WC	2.00 U V	5.00
	06/17/92	SW70293WC	3.70 U JA	SW70294WC	2.30 U V	SW70295WC	2.40 U JA	2.30
	07/02/92	SW70296WC	4.40 U V	SW70297WC	4.40 U V	SW70298WC	4.40 U V	5.00
	07/15/92		.	SW70300WC	4.40 U JA	SW70301WC	4.40 U JA	5.00
	07/29/92	SW70302WC	1.40 U V	SW70303WC	1.40 U V	SW70304WC	1.40 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	3.10 U V	SW70307WC	3.10 U V	5.00
	08/20/92	SW02012WC	3.10 U V	SW02013WC	3.10 U V	SW02011WC	3.10 U V	3.10

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Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CADMIUM:	08/26/92	SW70310WC	1.40 U V	SW70309WC	1.40 U V	SW70308WC	1.40 U V	5.00
	09/08/92	SW70314WC	1.50 U V	SW70313WC	1.50 U V	SW70312WC	1.50 U V	5.00
	09/22/92	SW70315WC	1.50 U JA	SW70316WC	1.50 U JA	SW70317WC	1.50 U JA	5.00
	10/07/92	SW70321WC	1.50 U	SW70320WC	1.50 U	SW70319WC	1.50 U	5.00
	10/21/92	SW70324WC	1.50 U	SW70323WC	1.50 U		.	5.00
	11/06/92		.	SW70326WC	2.10	SW70325WC	1.50 U	5.00
	11/17/92		.	SW70329WC	1.50 U	SW70328WC	1.50 U	5.00
	12/03/92		.	SW70332WC	1.60	SW70331WC	1.50 U	5.00
	12/16/92		.	SW70337WC	1.60 U	SW70336WC	1.60 U	5.00
	01/06/93		.	SW70340WC	1.60 U	SW70339WC	1.60 U	5.00
	01/13/93	SW70344WC	2.00 U	SW70343WC	2.00 U	SW70342WC	2.00 U	5.00
	01/27/93	SW70347WC	2.70 U	SW70346WC	2.70 U	SW70345WC	2.70 U	2.70
	02/09/93	SW70350WC	2.00 U	SW70349WC	2.00 U	SW70348WC	2.00 U	1.00
CALCIUM:	05/08/91	SW01161WC	91800.00 V	SW01163WC	78400.00 V	SW01182WC	45700.00 V	5000.00
	06/20/91	SW01264WC	120000.00 V	SW01266WC	100000.00 V	SW01285WC	93000.00 V	5000.00
	07/22/91		.		.	SW01388WC	71100.00 V	19.60
	08/07/91	SW01473WC	52000.00 V	SW01475WC	65600.00 V	SW01494WC	68000.00 V	5000.00
	09/17/91	SW01579WC	108000.00 V	SW01581WC	81000.00 V	SW01600WC	71400.00 V	29.20
	10/17/91		.	SW01687WC	74800.00 V		.	29.20
	10/21/91	SW01685WC	109000.00 V		.	SW01706WC	71200.00 V	29.20
	01/27/92	SW01807WC	112000.00 V	SW01809WC	93000.00 V	SW01805WC	79500.00 V	25.80
	04/06/92	SW70259WC	125000.00 V	SW70260WC	91100.00 V	SW70261WC	89600.00 V	5000.00
	04/22/92	SW70266WC	115000.00 V	SW70267WC	91900.00 V	SW70268WC	77600.00 V	24.10
	04/23/92		.		.	SW01887WC	81800.00 V	24.10
	04/27/92	SW01889WC	119000.00 V	SW01891WC	95600.00 V		.	24.10
	05/06/92	SW70271WC	112000.00 V	SW70272WC	101000.00 V	SW70273WC	71400.00 V	5000.00
	05/20/92	SW70285WC	118000.00 V	SW70286WC	88900.00 V	SW70287WC	77000.00 V	24.10

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
CALCIUM:	06/04/92	SW70290WC	112000.00	V	SW70291WC	84900.00	V	SW70292WC	74700.00	V	5000.00
	06/17/92	SW70293WC	105000.00	V	SW70294WC	89400.00	V	SW70295WC	69700.00	V	24.10
	07/02/92	SW70296WC	138000.00	V	SW70297WC	103000.00	V	SW70298WC	92900.00	V	5000.00
	07/15/92		.		SW70300WC	108000.00	V	SW70301WC	69000.00	V	5000.00
	07/29/92	SW70302WC	125000.00	V	SW70303WC	88800.00	V	SW70304WC	66900.00	V	5000.00
	08/13/92	SW70305WC	121000.00		SW70306WC	79900.00	V	SW70307WC	68900.00	V	5000.00
	08/20/92	SW02012WC	105000.00	V	SW02013WC	64400.00	V	SW02011WC	79500.00	V	18.30
	08/26/92	SW70310WC	57100.00	V	SW70309WC	69300.00	V	SW70308WC	69400.00	V	5000.00
	09/08/92	SW70314WC	115000.00	V	SW70313WC	85000.00	V	SW70312WC	80400.00	V	5000.00
	09/22/92	SW70315WC	109000.00	JA	SW70316WC	80300.00	JA	SW70317WC	78700.00	JA	5000.00
	10/07/92	SW70321WC	77800.00		SW70320WC	105000.00		SW70319WC	59500.00		5000.00
	10/21/92	SW70324WC	108000.00		SW70323WC	52900.00			.		5000.00
	11/06/92		.		SW70326WC	85800.00		SW70325WC	70900.00		5000.00
	11/17/92		.		SW70329WC	71800.00		SW70328WC	110000.00		5000.00
	12/03/92		.		SW70332WC	82600.00		SW70331WC	85700.00		5000.00
	12/16/92		.		SW70337WC	94600.00		SW70336WC	118000.00		5000.00
	01/06/93		.		SW70340WC	91000.00		SW70339WC	113000.00		5000.00
	01/13/93	SW70344WC	103000.00		SW70343WC	101000.00		SW70342WC	97700.00		5000.00
	01/27/93	SW70347WC	113000.00		SW70346WC	78700.00		SW70345WC	108000.00		30.80
	02/09/93	SW70350WC	116000.00		SW70349WC	59500.00		SW70348WC	184000.00		1000.00
CESIUM:	05/08/91	SW01161WC	110.00	U V	SW01163WC	500.00	U V	SW01182WC	500.00	U V	1000.00
	06/20/91	SW01264WC	50.00	U V	SW01266WC	50.00	V	SW01285WC	50.00	V	1000.00
	07/22/91		.			.		SW01388WC	500.00	U V	500.00
	08/07/91	SW01473WC	50.00	U V	SW01475WC	500.00	U V	SW01494WC	50.00	V	1000.00
	09/17/91	SW01579WC	500.00	U V	SW01581WC	500.00	U V	SW01600WC	500.00	U V	500.00
	10/17/91		.		SW01687WC	500.00	U V		.		500.00
	10/21/91	SW01685WC	500.00	U V		.		SW01706WC	500.00	U V	500.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CESIUM:	01/27/92	SW01807WC	500.00 U V	SW01809WC	500.00 U V	SW01805WC	500.00 U V	500.00
	04/06/92	SW70259WC	20.00 U R	SW70260WC	500.00 U V	SW70261WC	500.00 U V	1000.00
	04/22/92	SW70266WC	500.00 U V	SW70267WC	500.00 U V	SW70268WC	500.00 U V	500.00
	04/23/92		.		.	SW01887WC	500.00 U V	500.00
	04/27/92	SW01889WC	500.00 U V	SW01891WC	500.00 U V		.	500.00
	05/06/92	SW70271WC	23.00 U JA	SW70272WC	500.00 U V	SW70273WC	500.00 U V	1000.00
	05/20/92	SW70285WC	500.00 U V	SW70286WC	500.00 U V	SW70287WC	500.00 U V	500.00
	06/04/92	SW70290WC	23.00 U V	SW70291WC	23.00 U V	SW70292WC	23.00 U V	1000.00
	06/17/92	SW70293WC	500.00 U V	SW70294WC	500.00 U V	SW70295WC	500.00 U V	500.00
	07/02/92	SW70296WC	2.00 U V	SW70297WC	2.00 U V	SW70298WC	2.20 B V	1000.00
	07/15/92		.	SW70300WC	2.00 U V	SW70301WC	2.00 U V	1000.00
	07/29/92	SW70302WC	50.00 U V	SW70303WC	50.00 U V	SW70304WC	70.00 V	1000.00
	08/13/92	SW70305WC	1000.00 U	SW70306WC	500.00 U V	SW70307WC	500.00 U V	1000.00
	08/20/92	SW02012WC	500.00 U V	SW02013WC	500.00 U V	SW02011WC	500.00 U V	500.00
	08/26/92	SW70310WC	80.00 V	SW70309WC	50.00 U V	SW70308WC	50.00 U V	1000.00
	09/08/92	SW70314WC	50.00 U V	SW70313WC	50.00 U V	SW70312WC	50.00 U V	1000.00
	09/22/92	SW70315WC	50.00 U JA	SW70316WC	50.00 U JA	SW70317WC	50.00 JA	1000.00
	10/07/92	SW70321WC	50.00 U	SW70320WC	50.00 U	SW70319WC	50.00 U	1000.00
	10/21/92	SW70324WC	50.00 U	SW70323WC	50.00 U		.	1000.00
	11/06/92		.	SW70326WC	50.00 U	SW70325WC	50.00 U	1000.00
	11/17/92		.	SW70329WC	50.00 U	SW70328WC	50.00 U	1000.00
	12/03/92		.	SW70332WC	50.00 U	SW70331WC	50.00 U	1000.00
	12/16/92		.	SW70337WC	50.00 U	SW70336WC	50.00 U	1000.00
	01/06/93		.	SW70340WC	60.00	SW70339WC	60.00	1000.00
	01/13/93	SW70344WC	25.00 U	SW70343WC	25.00 U	SW70342WC	25.00 U	1000.00
	01/27/93	SW70347WC	500.00 U	SW70346WC	500.00 U	SW70345WC	500.00 U	500.00
	02/09/93	SW70350WC	25.00 U	SW70349WC	25.00 U	SW70348WC	25.00 U	200.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHROMIUM:	05/08/91	SW01161WC	6.30 B JA	SW01163WC	4.10 U V	SW01182WC	4.10 U V	10.00
	06/20/91	SW01264WC	2.00 U JA	SW01266WC	2.00 U JA	SW01285WC	2.00 U JA	10.00
	07/22/91		.		.	SW01388WC	5.50 U V	5.50
	08/07/91	SW01473WC	2.00 U V	SW01475WC	5.50 U V	SW01494WC	2.00 U V	10.00
	09/17/91	SW01579WC	2.60 U V	SW01581WC	2.60 U JA	SW01600WC	2.60 U V	2.60
	10/17/91		.	SW01687WC	2.60 U V		.	2.60
	10/21/91	SW01685WC	2.60 U V		.	SW01706WC	2.60 U V	2.60
	01/27/92	SW01807WC	5.70 U V	SW01809WC	5.70 U V	SW01805WC	5.70 U V	5.70
	04/06/92	SW70259WC	5.00 U V	SW70260WC	2.00 U V	SW70261WC	2.00 U V	10.00
	04/22/92	SW70266WC	2.00 U V	SW70267WC	2.00 U V	SW70268WC	2.00 U V	2.00
	04/23/92		.		.	SW01887WC	2.00 U JA	2.00
	04/27/92	SW01889WC	2.00 U V	SW01891WC	2.00 U V		.	2.00
	05/06/92	SW70271WC	6.20 B JA	SW70272WC	2.00 U V	SW70273WC	2.00 U V	10.00
	05/20/92	SW70285WC	2.00 U V	SW70286WC	2.00 U V	SW70287WC	2.00 U V	2.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	10.00
	06/17/92	SW70293WC	2.00 U V	SW70294WC	2.00 U V	SW70295WC	2.00 U V	2.00
	07/02/92	SW70296WC	4.90 U V	SW70297WC	4.90 U V	SW70298WC	4.90 U V	10.00
	07/15/92		.	SW70300WC	5.90 B JA	SW70301WC	44.00 V	10.00
	07/29/92	SW70302WC	3.70 U V	SW70303WC	3.70 U V	SW70304WC	3.70 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	3.10 U V	SW70307WC	3.10 U V	10.00
	08/20/92	SW02012WC	3.10 U V	SW02013WC	3.10 U V	SW02011WC	3.10 U V	3.10
	08/26/92	SW70310WC	3.70 U V	SW70309WC	3.70 U V	SW70308WC	3.70 U V	10.00
	09/08/92	SW70314WC	2.60 U JA	SW70313WC	2.60 U JA	SW70312WC	2.60 U JA	10.00
	09/22/92	SW70315WC	3.50 U JA	SW70316WC	3.80 U JA	SW70317WC	3.50 U JA	10.00
	10/07/92	SW70321WC	2.60 U	SW70320WC	2.60 U	SW70319WC	2.60 U	10.00
	10/21/92	SW70324WC	2.60 U	SW70323WC	2.60 U		.	10.00
	11/06/92		.	SW70326WC	3.20	SW70325WC	3.60	10.00
	11/17/92		.	SW70329WC	2.60 U	SW70328WC	2.60 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHROMIUM:	12/03/92		.	SW70332WC	2.60 U	SW70331WC	2.60 U	10.00
	12/16/92		.	SW70337WC	2.70 U	SW70336WC	2.70 U	10.00
	01/06/93		.	SW70340WC	2.70 U	SW70339WC	2.70 U	10.00
	01/13/93	SW70344WC	4.00 B	SW70343WC	2.00 U	SW70342WC	2.00 U	10.00
	01/27/93	SW70347WC	2.60 U	SW70346WC	2.60 U	SW70345WC	2.60 U	2.60
	02/09/93	SW70350WC	2.00 U	SW70349WC	3.30 B	SW70348WC	2.00 U	2.00
COBALT:	05/08/91	SW01161WC	3.00 U V	SW01163WC	3.60 U V	SW01182WC	3.60 U V	50.00
	06/20/91	SW01264WC	2.00 U V	SW01266WC	2.00 U V	SW01285WC	2.00 U V	50.00
	07/22/91		.		.	SW01388WC	7.30 U V	7.30
	08/07/91	SW01473WC	2.00 U V	SW01475WC	7.30 U V	SW01494WC	2.00 U V	50.00
	09/17/91	SW01579WC	2.80 U JA	SW01581WC	2.80 U V	SW01600WC	2.80 U JA	2.80
	10/17/91		.	SW01687WC	2.80 U V		.	2.80
	10/21/91	SW01685WC	2.80 U V		.	SW01706WC	2.80 U V	2.80
	01/27/92	SW01807WC	3.40 U V	SW01809WC	3.40 U V	SW01805WC	3.40 U V	3.40
	04/06/92	SW70259WC	4.00 U V	SW70260WC	2.70 U V	SW70261WC	2.70 U V	50.00
	04/22/92	SW70266WC	2.70 U V	SW70267WC	2.70 U V	SW70268WC	2.70 U V	2.70
	04/23/92		.		.	SW01887WC	2.70 U V	2.70
	04/27/92	SW01889WC	2.90 U JA	SW01891WC	2.70 U V		.	2.70
	05/06/92	SW70271WC	4.00 U V	SW70272WC	2.70 U V	SW70273WC	2.70 U V	50.00
	05/20/92	SW70285WC	2.70 U V	SW70286WC	2.70 U V	SW70287WC	2.70 U V	2.70
	06/04/92	SW70290WC	4.00 U V	SW70291WC	4.00 U V	SW70292WC	4.00 U V	50.00
	06/17/92	SW70293WC	2.70 U V	SW70294WC	2.70 U V	SW70295WC	2.70 U V	2.70
	07/02/92	SW70296WC	6.50 U V	SW70297WC	6.50 U V	SW70298WC	6.50 U V	50.00
	07/15/92		.	SW70300WC	6.50 U V	SW70301WC	6.50 U V	50.00
	07/29/92	SW70302WC	2.30 U V	SW70303WC	2.30 U V	SW70304WC	2.30 U V	50.00
	08/13/92	SW70305WC	50.00 U	SW70306WC	2.20 U V	SW70307WC	2.20 U V	50.00
	08/20/92	SW02012WC	2.20 U V	SW02013WC	3.20 U JA	SW02011WC	2.20 U V	2.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
COBALT:	08/26/92	SW70310WC	2.30 U V	SW70309WC	2.30 U V	SW70308WC	2.30 U V	50.00
	09/08/92	SW70314WC	1.30 U V	SW70313WC	1.30 U V	SW70312WC	1.30 U V	50.00
	09/22/92	SW70315WC	1.30 U JA	SW70316WC	1.60 U JA	SW70317WC	1.30 U JA	50.00
	10/07/92	SW70321WC	1.50	SW70320WC	1.30 U	SW70319WC	1.30 U	50.00
	10/21/92	SW70324WC	1.30 U	SW70323WC	1.30 U		.	50.00
	11/06/92		.	SW70326WC	1.30 U	SW70325WC	1.30 U	50.00
	11/17/92		.	SW70329WC	3.20	SW70328WC	1.30 U	50.00
	12/03/92		.	SW70332WC	1.30 U	SW70331WC	1.30 U	50.00
	12/16/92		.	SW70337WC	2.50 U	SW70336WC	2.50 U	50.00
	01/06/93		.	SW70340WC	2.50 U	SW70339WC	2.50 U	50.00
	01/13/93	SW70344WC	3.00 U	SW70343WC	3.00 U	SW70342WC	3.00 U	50.00
	01/27/93	SW70347WC	2.60 U	SW70346WC	2.60 U	SW70345WC	2.60 U	2.60
	02/09/93	SW70350WC	3.40 B	SW70349WC	3.20 B	SW70348WC	3.20 B	10.00
COPPER:	05/08/91	SW01161WC	11.00 U V	SW01163WC	4.70 U V	SW01182WC	4.70 U V	25.00
	06/20/91	SW01264WC	8.30 JA	SW01266WC	3.00 U V	SW01285WC	6.50 JA	25.00
	07/22/91		.		.	SW01388WC	5.40 U V	5.40
	08/07/91	SW01473WC	3.00 U V	SW01475WC	5.40 U V	SW01494WC	3.00 U V	25.00
	09/17/91	SW01579WC	4.20 U JA	SW01581WC	2.10 U V	SW01600WC	2.90 U JA	2.10
	10/17/91		.	SW01687WC	3.30 V		.	2.10
	10/21/91	SW01685WC	2.10 U V		.	SW01706WC	2.90 V	2.10
	01/27/92	SW01807WC	2.50 U V	SW01809WC	2.50 U V	SW01805WC	2.50 U V	2.50
	04/06/92	SW70259WC	2.60 U JA	SW70260WC	2.30 U V	SW70261WC	3.50 U JA	25.00
	04/22/92	SW70266WC	4.50 U JA	SW70267WC	3.30 U JA	SW70268WC	4.90 U JA	2.30
	04/23/92		.		.	SW01887WC	9.30 U JA	2.30
	04/27/92	SW01889WC	5.60 U JA	SW01891WC	3.70 U JA		.	2.30
	05/06/92	SW70271WC	2.00 U V	SW70272WC	2.30 U V	SW70273WC	3.80 U JA	25.00
	05/20/92	SW70285WC	2.30 U V	SW70286WC	2.30 U V	SW70287WC	3.50 U JA	2.30

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
COPPER:	06/04/92	SW70290WC	2.10 U JA	SW70291WC	2.00 U V	SW70292WC	2.00 U V	25.00
	06/17/92	SW70293WC	3.70 U JA	SW70294WC	2.30 U V	SW70295WC	2.70 U JA	2.30
	07/02/92	SW70296WC	2.70 U V	SW70297WC	2.70 U V	SW70298WC	2.70 U V	25.00
	07/15/92		.	SW70300WC	2.70 U V	SW70301WC	2.70 U V	25.00
	07/29/92	SW70302WC	2.40 U V	SW70303WC	5.00 V	SW70304WC	2.60 V	25.00
	08/13/92	SW70305WC	25.00 U	SW70306WC	2.90 U JA	SW70307WC	2.10 U V	25.00
	08/20/92	SW02012WC	2.10 U V	SW02013WC	3.30 U JA	SW02011WC	2.40 U JA	2.10
	08/26/92	SW70310WC	2.40 U V	SW70309WC	2.40 U V	SW70308WC	2.40 U V	25.00
	09/08/92	SW70314WC	1.90 U V	SW70313WC	1.90 U JA	SW70312WC	1.90 U JA	25.00
	09/22/92	SW70315WC	1.90 U R	SW70316WC	1.90 U R	SW70317WC	1.90 U R	25.00
	10/07/92	SW70321WC	1.90 U	SW70320WC	1.90 U	SW70319WC	8.40	25.00
	10/21/92	SW70324WC	1.90 U	SW70323WC	2.60		.	25.00
	11/06/92		.	SW70326WC	1.90 U	SW70325WC	1.90 U	25.00
	11/17/92		.	SW70329WC	3.60	SW70328WC	2.70	25.00
	12/03/92		.	SW70332WC	1.90 U	SW70331WC	1.90 U	25.00
	12/16/92		.	SW70337WC	2.90 U	SW70336WC	2.90 U	25.00
	01/06/93		.	SW70340WC	2.90 U	SW70339WC	5.00	25.00
	01/13/93	SW70344WC	5.80 B	SW70343WC	2.00 U	SW70342WC	2.00 U	25.00
	01/27/93	SW70347WC	3.20	SW70346WC	3.50	SW70345WC	4.00	2.90
	02/09/93	SW70350WC	2.00 U	SW70349WC	2.00 U	SW70348WC	2.00 U	5.00
IRON:	05/08/91	SW01161WC	12.00 U JA	SW01163WC	33.70 U JA	SW01182WC	12.50 U JA	100.00
	06/20/91	SW01264WC	7.00 U R	SW01266WC	7.00 U R	SW01285WC	62.00 U JA	100.00
	07/22/91		.		.	SW01388WC	6.90 U JA	6.90
	08/07/91	SW01473WC	7.00 U JA	SW01475WC	27.40 U JA	SW01494WC	17.00 U JA	100.00
	09/17/91	SW01579WC	23.10 U JA	SW01581WC	17.20 V	SW01600WC	16.70 U V	16.70
	10/17/91		.	SW01687WC	16.70 U V		.	16.70
	10/21/91	SW01685WC	21.80 U JA		.	SW01706WC	16.70 U V	16.70

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
IRON:	01/27/92	SW01807WC	22.60 U V	SW01809WC	22.60 U V	SW01805WC	22.60 U V	22.60
	04/06/92	SW70259WC	2.00 UEV	SW70260WC	36.20 U JA	SW70261WC	18.40 U V	100.00
	04/22/92	SW70266WC	18.40 U V	SW70267WC	18.40 U V	SW70268WC	18.40 U V	18.40
	04/23/92		.		.	SW01887WC	22.40 U JA	18.40
	04/27/92	SW01889WC	83.40 U JA	SW01891WC	18.40 U JA		.	18.40
	05/06/92	SW70271WC	27.80 U JA	SW70272WC	18.40 U V	SW70273WC	20.90 U JA	100.00
	05/20/92	SW70285WC	18.40 U V	SW70286WC	18.40 U V	SW70287WC	18.40 U V	18.40
	06/04/92	SW70290WC	18.60 U JA	SW70291WC	6.20 U JA	SW70292WC	13.10 U JA	100.00
	06/17/92	SW70293WC	18.40 U V	SW70294WC	18.40 U V	SW70295WC	18.40 U V	18.40
	07/02/92	SW70296WC	31.30 U V	SW70297WC	33.10 U JA	SW70298WC	31.30 U V	100.00
	07/15/92		.	SW70300WC	56.30 U JA	SW70301WC	220.00 V	100.00
	07/29/92	SW70302WC	16.30 U JA	SW70303WC	47.30 U JA	SW70304WC	16.30 U JA	100.00
	08/13/92	SW70305WC	100.00 U	SW70306WC	13.60 U JA	SW70307WC	9.00 U JA	100.00
	08/20/92	SW02012WC	9.10 U JA	SW02013WC	98.70 U JA	SW02011WC	17.10 U JA	5.20
	08/26/92	SW70310WC	16.30 U V	SW70309WC	16.30 U V	SW70308WC	16.30 U V	100.00
	09/08/92	SW70314WC	6.40 U JA	SW70313WC	11.00 U JA	SW70312WC	6.30 U JA	100.00
	09/22/92	SW70315WC	178.00 JA	SW70316WC	29.60 U JA	SW70317WC	9.10 U JA	100.00
	10/07/92	SW70321WC	76.60	SW70320WC	76.70	SW70319WC	133.00	100.00
	10/21/92	SW70324WC	9.00	SW70323WC	36.40		.	100.00
	11/06/92		.	SW70326WC	6.80	SW70325WC	4.00 U	100.00
	11/17/92		.	SW70329WC	87.80	SW70328WC	12.70	100.00
	12/03/92		.	SW70332WC	28.60	SW70331WC	74.40	100.00
	12/16/92		.	SW70337WC	6.50 U	SW70336WC	87.70	100.00
	01/06/93		.	SW70340WC	29.60	SW70339WC	28.70	100.00
	01/13/93	SW70344WC	1550.00	SW70343WC	588.00	SW70342WC	6.40 B	100.00
	01/27/93	SW70347WC	7.50 U	SW70346WC	18.20	SW70345WC	8.80	7.50
	02/09/93	SW70350WC	12.70 B*	SW70349WC	54.10 B*	SW70348WC	36.10 B*	20.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
LEAD:	05/08/91	SW01161WC	1.00 U V	SW01163WC	1.40 U V	SW01182WC	1.40 U V	3.00
	06/20/91	SW01264WC	2.00 JA	SW01266WC	20.00 JA	SW01285WC	7.60 W JA	3.00
	07/22/91		.		.	SW01388WC	2.20 JA	1.30
	08/07/91	SW01473WC	1.00 U JA	SW01475WC	3.10 U JA	SW01494WC	1.00 U R	3.00
	09/17/91	SW01579WC	0.90 U V	SW01581WC	0.90 U V	SW01600WC	0.90 U V	0.90
	10/17/91		.	SW01687WC	9.00 JA		.	0.90
	10/21/91	SW01685WC	1.00 U JA		.	SW01706WC	0.90 U JA	0.90
	01/27/92	SW01807WC	2.70 U JA	SW01809WC	1.40 U JA	SW01805WC	2.50 U JA	1.40
	04/06/92	SW70259WC	1.00 U JA	SW70260WC	0.70 U V	SW70261WC	0.70 U V	3.00
	04/22/92	SW70266WC	0.80 U JA	SW70267WC	0.80 U JA	SW70268WC	0.80 U R	0.80
	04/23/92		.		.	SW01887WC	0.80 U V	0.80
	04/27/92	SW01889WC	0.80 U V	SW01891WC	0.80 U V		.	0.80
	05/06/92	SW70271WC	1.00 U V	SW70272WC	0.70 U R	SW70273WC	0.70 U JA	3.00
	05/20/92	SW70285WC	0.70 U JA	SW70286WC	0.70 U JA	SW70287WC	0.70 U R	0.70
	06/04/92	SW70290WC	1.00 U V	SW70291WC	1.00 U V	SW70292WC	1.00 U V	3.00
	06/17/92	SW70293WC	1.60 U V	SW70294WC	1.60 U V	SW70295WC	1.60 U V	1.60
	07/02/92	SW70296WC	7.70 V	SW70297WC	1.30 B V	SW70298WC	1.00 U V	5.00
	07/15/92		.	SW70300WC	1.80 B JA	SW70301WC	1.40 B JA	5.00
	07/29/92	SW70302WC	2.50 V	SW70303WC	1.70 V	SW70304WC	1.30 W JA	3.00
	08/13/92	SW70305WC	5.00 UN	SW70306WC	0.80 JA	SW70307WC	0.80 U V	5.00
	08/20/92	SW02012WC	0.80 U V	SW02013WC	0.80 U JA	SW02011WC	0.80 U JA	0.80
	08/26/92	SW70310WC	5.30 V	SW70309WC	2.00 W JA	SW70308WC	4.20 V	3.00
	09/08/92	SW70314WC	2.00 U V	SW70313WC	2.00 U V	SW70312WC	2.00 U V	3.00
	09/22/92	SW70315WC	2.00 U JA	SW70316WC	2.00 UWJA	SW70317WC	2.00 U JA	3.00
	10/07/92	SW70321WC	2.20	SW70320WC	2.60	SW70319WC	2.20	3.00
	10/21/92	SW70324WC	4.30	SW70323WC	4.00		.	3.00
	11/06/92		.	SW70326WC	3.60	SW70325WC	4.20 I	3.00
	11/17/92		.	SW70329WC	4.20	SW70328WC	2.80	3.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
LEAD:	12/03/92		.	SW70332WC	1.70	SW70331WC	2.60	3.00
	12/16/92		.	SW70337WC	1.20 U	SW70336WC	1.20 U	3.00
	01/06/93		.	SW70340WC	1.20 U	SW70339WC	1.20 U	3.00
	01/13/93	SW70344WC	2.00 B	SW70343WC	1.00 U	SW70342WC	1.00 U	3.00
	01/27/93	SW70347WC	0.90 U	SW70346WC	0.90 U	SW70345WC	0.90 U	0.90
	02/09/93	SW70350WC	1.00 UW	SW70349WC	1.00 U	SW70348WC	1.00 U	0.60
LITHIUM:	05/08/91	SW01161WC	6.90 B V	SW01163WC	6.30 U JA	SW01182WC	4.30 U V	100.00
	06/20/91	SW01264WC	12.00 JA	SW01266WC	7.00 JA	SW01285WC	11.00 JA	100.00
	07/22/91		.		.	SW01388WC	8.50 V	5.40
	08/07/91	SW01473WC	10.00 U JA	SW01475WC	10.50 V	SW01494WC	11.00 U JA	100.00
	09/17/91	SW01579WC	22.00 U JA	SW01581WC	7.10 U V	SW01600WC	11.80 U JA	7.10
	10/17/91		.	SW01687WC	10.60 V		.	7.10
	10/21/91	SW01685WC	14.70 V		.	SW01706WC	12.40 V	7.10
	01/27/92	SW01807WC	15.20 V	SW01809WC	8.20 U JA	SW01805WC	9.00 V	4.00
	04/06/92	SW70259WC	20.10 B V	SW70260WC	6.80 U JA	SW70261WC	8.90 U JA	100.00
	04/22/92	SW70266WC	16.10 U JA	SW70267WC	7.90 U JA	SW70268WC	10.20 U JA	2.00
	04/23/92		.		.	SW01887WC	9.70 U JA	2.00
	04/27/92	SW01889WC	16.60 U JA	SW01891WC	8.90 U JA		.	2.00
	05/06/92	SW70271WC	15.90 B V	SW70272WC	6.60 U JA	SW70273WC	8.90 U JA	100.00
	05/20/92	SW70285WC	15.30 U JA	SW70286WC	9.60 U JA	SW70287WC	10.70 U JA	2.00
	06/04/92	SW70290WC	16.80 B V	SW70291WC	9.30 U JA	SW70292WC	9.50 U JA	100.00
	06/17/92	SW70293WC	16.50 U JA	SW70294WC	7.10 U JA	SW70295WC	9.10 U JA	2.00
	07/02/92	SW70296WC	31.50 U JA	SW70297WC	21.00 U JA	SW70298WC	16.80 U JA	100.00
	07/15/92		.	SW70300WC	8.80 U JA	SW70301WC	83.90 B V	100.00
	07/29/92	SW70302WC	21.40 V	SW70303WC	9.80 V	SW70304WC	8.10 V	100.00
	08/13/92	SW70305WC	100.00 U	SW70306WC	11.50 U JA	SW70307WC	6.00 U JA	100.00
	08/20/92	SW02012WC	21.10 U JA	SW02013WC	6.70 U JA	SW02011WC	14.60 U JA	2.10

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
LITHIUM:	08/26/92	SW70310WC	7.90	V	SW70309WC	6.00	V	SW70308WC	7.30	V	100.00
	09/08/92	SW70314WC	18.30	V	SW70313WC	9.60	V	SW70312WC	10.10	V	100.00
	09/22/92	SW70315WC	16.70	JA	SW70316WC	10.40	JA	SW70317WC	11.20	JA	100.00
	10/07/92	SW70321WC	12.00		SW70320WC	19.30		SW70319WC	10.10		100.00
	10/21/92	SW70324WC	16.60		SW70323WC	7.30			.		100.00
	11/06/92		.		SW70326WC	9.90		SW70325WC	9.40		100.00
	11/17/92		.		SW70329WC	10.40		SW70328WC	12.70		100.00
	12/03/92		.		SW70332WC	7.80		SW70331WC	12.80		100.00
	12/16/92		.		SW70337WC	11.80		SW70336WC	14.90		100.00
	01/06/93		.		SW70340WC	10.80		SW70339WC	15.50		100.00
	01/13/93	SW70344WC	14.80	B	SW70343WC	21.10	B	SW70342WC	10.00	B	100.00
	01/27/93	SW70347WC	11.20		SW70346WC	6.70		SW70345WC	15.30		3.40
	02/09/93	SW70350WC	16.30	B	SW70349WC	5.60	B	SW70348WC	9.10	B	20.00
MAGNESIUM:	05/08/91	SW01161WC	18600.00	V	SW01163WC	16500.00	V	SW01182WC	11600.00	V	5000.00
	06/20/91	SW01264WC	26000.00	V	SW01266WC	16000.00	V	SW01285WC	26000.00	V	5000.00
	07/22/91		.			.		SW01388WC	20500.00	V	57.00
	08/07/91	SW01473WC	13000.00	V	SW01475WC	13200.00	V	SW01494WC	18000.00	V	5000.00
	09/17/91	SW01579WC	27200.00	V	SW01581WC	15100.00	V	SW01600WC	16300.00	V	33.10
	10/17/91		.		SW01687WC	14200.00	V		.		33.10
	10/21/91	SW01685WC	26800.00	V		.		SW01706WC	20200.00	V	33.10
	01/27/92	SW01807WC	29600.00	V	SW01809WC	16700.00	V	SW01805WC	22200.00	V	42.50
	04/06/92	SW70259WC	34300.00	V	SW70260WC	14300.00	V	SW70261WC	16500.00	V	5000.00
	04/22/92	SW70266WC	29600.00	V	SW70267WC	14000.00	V	SW70268WC	20900.00	V	33.30
	04/23/92		.			.		SW01887WC	22700.00	V	33.30
	04/27/92	SW01889WC	31200.00	V	SW01891WC	14900.00	V		.		33.30
	05/06/92	SW70271WC	29100.00	V	SW70272WC	15000.00	V	SW70273WC	18800.00	V	5000.00
	05/20/92	SW70285WC	31500.00	V	SW70286WC	15400.00	V	SW70287WC	21300.00	V	33.30

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MAGNESIUM:	06/04/92	SW70290WC	28400.00 V	SW70291WC	15600.00 V	SW70292WC	18900.00 V	5000.00
	06/17/92	SW70293WC	29100.00 V	SW70294WC	15000.00 V	SW70295WC	18700.00 V	33.30
	07/02/92	SW70296WC	37300.00 V	SW70297WC	17100.00 V	SW70298WC	20000.00 V	5000.00
	07/15/92		.	SW70300WC	17000.00 V	SW70301WC	20000.00 V	5000.00
	07/29/92	SW70302WC	35600.00 V	SW70303WC	16400.00 V	SW70304WC	17700.00 V	5000.00
	08/13/92	SW70305WC	34700.00	SW70306WC	16000.00 V	SW70307WC	18200.00 V	5000.00
	08/20/92	SW02012WC	28300.00 V	SW02013WC	12500.00 V	SW02011WC	18400.00 V	20.60
	08/26/92	SW70310WC	14800.00 V	SW70309WC	12300.00 V	SW70308WC	16000.00 V	5000.00
	09/08/92	SW70314WC	31600.00 V	SW70313WC	15800.00 V	SW70312WC	23000.00 V	5000.00
	09/22/92	SW70315WC	30400.00 JA	SW70316WC	15700.00 JA	SW70317WC	24100.00 JA	5000.00
	10/07/92	SW70321WC	14700.00	SW70320WC	28800.00	SW70319WC	15700.00	5000.00
	10/21/92	SW70324WC	29800.00	SW70323WC	11200.00		.	5000.00
	11/06/92		.	SW70326WC	16200.00	SW70325WC	16300.00	5000.00
	11/17/92		.	SW70329WC	14700.00	SW70328WC	21400.00	5000.00
	12/03/92		.	SW70332WC	15300.00	SW70331WC	15400.00	5000.00
	12/16/92		.	SW70337WC	17500.00	SW70336WC	24700.00	5000.00
	01/06/93		.	SW70340WC	16900.00	SW70339WC	27400.00	5000.00
	01/13/93	SW70344WC	27500.00	SW70343WC	21000.00	SW70342WC	17600.00	5000.00
	01/27/93	SW70347WC	26100.00	SW70346WC	14200.00	SW70345WC	26100.00	38.90
	02/09/93	SW70350WC	29500.00	SW70349WC	11500.00	SW70348WC	24300.00	1000.00
MANGANESE:	05/08/91	SW01161WC	1.00 U V	SW01163WC	45.80 V	SW01182WC	13.20 V	15.00
	06/20/91	SW01264WC	1.00 U JA	SW01266WC	27.00 V	SW01285WC	9.30 V	15.00
	07/22/91		.		.	SW01388WC	2.50 U V	2.50
	08/07/91	SW01473WC	1.30 V	SW01475WC	29.90 V	SW01494WC	16.00 V	15.00
	09/17/91	SW01579WC	3.10 U JA	SW01581WC	17.80 U JA	SW01600WC	3.60 U JA	1.30
	10/17/91		.	SW01687WC	37.50 V		.	1.30
	10/21/91	SW01685WC	1.30 U V		.	SW01706WC	1.30 U V	1.30

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MANGANESE:	01/27/92	SW01807WC	1.60 U V	SW01809WC	82.60 V	SW01805WC	39.80 V	1.60
	04/06/92	SW70259WC	2.10 B V	SW70260WC	52.70 V	SW70261WC	10.80 U JA	15.00
	04/22/92	SW70266WC	1.50 U V	SW70267WC	50.90 V	SW70268WC	24.40 V	1.50
	04/23/92		.		.	SW01887WC	24.90 JA	1.50
	04/27/92	SW01889WC	1.50 U V	SW01891WC	58.30 JA		.	1.50
	05/06/92	SW70271WC	2.00 U V	SW70272WC	2.80 U JA	SW70273WC	28.30 V	15.00
	05/20/92	SW70285WC	1.50 U V	SW70286WC	54.50 V	SW70287WC	31.10 V	1.50
	06/04/92	SW70290WC	3.10 U JA	SW70291WC	34.90 V	SW70292WC	21.40 V	15.00
	06/17/92	SW70293WC	1.50 U V	SW70294WC	46.40 V	SW70295WC	19.80 V	1.50
	07/02/92	SW70296WC	11.20 U JA	SW70297WC	57.50 V	SW70298WC	21.50 V	15.00
	07/15/92		.	SW70300WC	62.40 V	SW70301WC	28.90 V	15.00
	07/29/92	SW70302WC	22.90 E JA	SW70303WC	99.30 E JA	SW70304WC	30.30 E JA	15.00
	08/13/92	SW70305WC	31.30	SW70306WC	57.00 V	SW70307WC	14.20 U JA	15.00
	08/20/92	SW02012WC	20.50 V	SW02013WC	227.00 V	SW02011WC	20.50 V	1.40
	08/26/92	SW70310WC	1.40 V	SW70309WC	56.80 V	SW70308WC	22.60 V	15.00
	09/08/92	SW70314WC	12.80 V	SW70313WC	61.30 V	SW70312WC	16.60 V	15.00
	09/22/92	SW70315WC	19.50 JA	SW70316WC	70.90 JA	SW70317WC	18.00 JA	15.00
	10/07/92	SW70321WC	111.00	SW70320WC	21.60	SW70319WC	39.90	15.00
	10/21/92	SW70324WC	15.20	SW70323WC	67.20		.	15.00
	11/06/92		.	SW70326WC	82.40	SW70325WC	5.20	15.00
	11/17/92		.	SW70329WC	65.40	SW70328WC	42.00	15.00
	12/03/92		.	SW70332WC	62.50	SW70331WC	79.30	15.00
	12/16/92		.	SW70337WC	48.40	SW70336WC	155.00	15.00
	01/06/93		.	SW70340WC	41.80	SW70339WC	132.00	15.00
	01/13/93	SW70344WC	21.20	SW70343WC	271.00	SW70342WC	18.00	15.00
	01/27/93	SW70347WC	2.40 U	SW70346WC	35.40	SW70345WC	257.00	2.40
	02/09/93	SW70350WC	1.00 U	SW70349WC	55.20	SW70348WC	131.00	3.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MERCURY:	05/08/91	SW01161WC	0.20 U V	SW01163WC	0.20 U V	SW01182WC	0.20 U V	0.20
	06/20/91	SW01264WC	0.20 U V	SW01266WC	0.20 U V	SW01285WC	0.20 U V	0.20
	07/22/91		.		.	SW01388WC	0.20 U V	0.20
	08/07/91	SW01473WC	0.20 U JA	SW01475WC	0.20 U V	SW01494WC	0.20 U JA	0.20
	09/17/91	SW01579WC	0.20 U V	SW01581WC	0.20 U V	SW01600WC	0.20 U V	0.20
	10/17/91		.	SW01687WC	0.20 U V		.	0.20
	10/21/91	SW01685WC	0.20 U V		.	SW01706WC	0.20 U V	0.20
	01/27/92	SW01807WC	0.20 U V	SW01809WC	0.20 U V	SW01805WC	0.20 U V	0.20
	04/06/92	SW70259WC	0.20 U V	SW70260WC	0.20 U V	SW70261WC	0.20 U V	0.20
	04/22/92	SW70266WC	0.20 U V	SW70267WC	0.20 U V	SW70268WC	0.20 U V	0.20
	04/23/92		.		.	SW01887WC	0.20 U V	0.20
	04/27/92	SW01889WC	0.20 U V	SW01891WC	0.20 U V		.	0.20
	05/06/92	SW70271WC	0.20 U V	SW70272WC	0.20 U V	SW70273WC	0.20 U V	0.20
	05/20/92	SW70285WC	0.20 U V	SW70286WC	0.20 U V	SW70287WC	0.20 U V	0.20
	06/04/92	SW70290WC	0.20 U V	SW70291WC	0.20 U V	SW70292WC	0.20 U V	0.20
	06/17/92	SW70293WC	0.20 U V	SW70294WC	0.20 U V	SW70295WC	0.20 U V	0.20
	07/02/92	SW70296WC	0.10 U V	SW70297WC	0.10 U V	SW70298WC	0.10 U V	0.20
	07/15/92		.	SW70300WC	0.10 U V	SW70301WC	0.10 U V	0.20
	07/29/92	SW70302WC	0.30 V	SW70303WC	0.20 U V	SW70304WC	0.20 U V	0.20
	08/13/92	SW70305WC	0.20 U	SW70306WC	0.20 U V	SW70307WC	0.20 U V	0.20
	08/20/92	SW02012WC	0.20 U V	SW02013WC	0.20 U V	SW02011WC	0.20 U V	0.20
	08/26/92	SW70310WC	0.20 JA	SW70309WC	0.20 U V	SW70308WC	0.20 U V	0.20
	09/08/92	SW70314WC	0.20 U V	SW70313WC	0.20 U V	SW70312WC	0.20 U V	0.20
	09/22/92	SW70315WC	0.10 U JA	SW70316WC	0.10 U JA	SW70317WC	0.10 U JA	0.20
	10/07/92	SW70321WC	0.10 U	SW70320WC	0.10 U	SW70319WC	0.10 U	0.20
	10/21/92	SW70324WC	0.10 U	SW70323WC	0.10 U		.	0.20
	11/06/92		.	SW70326WC	0.20	SW70325WC	0.30	0.20
	11/17/92		.	SW70329WC	0.10 U	SW70328WC	0.10 U	0.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MERCURY:	12/03/92		.	SW70332WC	0.10 U	SW70331WC	0.10 U	0.20
	12/16/92		.	SW70337WC	0.10 U	SW70336WC	0.10	0.20
	01/06/93		.	SW70340WC	0.10 U	SW70339WC	0.13	0.20
	01/13/93	SW70344WC	0.20 U	SW70343WC	0.20 U	SW70342WC	0.20 U	0.20
	01/27/93	SW70347WC	0.20 U	SW70346WC	0.20 U	SW70345WC	0.20 U	0.20
	02/09/93	SW70350WC	0.20 U	SW70349WC	0.20 U	SW70348WC	0.20 U	0.10
MOLYBDENUM:	05/08/91	SW01161WC	2.80 B V	SW01163WC	5.70 U V	SW01182WC	5.70 U JA	200.00
	06/20/91	SW01264WC	3.00 U JA	SW01266WC	3.00 U JA	SW01285WC	3.00 U JA	50.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	3.00 U JA	SW01475WC	10.00 U V	SW01494WC	3.00 U JA	50.00
	09/17/91	SW01579WC	5.80 U V	SW01581WC	5.80 U V	SW01600WC	5.90 U JA	5.80
	10/17/91		.	SW01687WC	5.80 U V		.	5.80
	10/21/91	SW01685WC	5.80 U V		.	SW01706WC	5.80 U V	5.80
	01/27/92	SW01807WC	6.50 U V	SW01809WC	6.50 U V	SW01805WC	6.50 U V	6.50
	04/06/92	SW70259WC	3.00 U V	SW70260WC	3.50 U V	SW70261WC	3.50 U V	200.00
	04/22/92	SW70266WC	4.50 U JA	SW70267WC	3.50 U V	SW70268WC	4.90 U JA	3.50
	04/23/92		.		.	SW01887WC	3.50 U V	3.50
	04/27/92	SW01889WC	3.50 U V	SW01891WC	3.50 U V		.	3.50
	05/06/92	SW70271WC	3.30 U JA	SW70272WC	3.50 U JA	SW70273WC	3.50 U V	200.00
	05/20/92	SW70285WC	3.50 U V	SW70286WC	3.50 U V	SW70287WC	3.50 U V	3.50
	06/04/92	SW70290WC	3.70 U JA	SW70291WC	4.60 U JA	SW70292WC	3.40 U JA	200.00
	06/17/92	SW70293WC	3.50 U V	SW70294WC	3.50 U V	SW70295WC	3.50 U V	3.50
	07/02/92	SW70296WC	17.10 U V	SW70297WC	17.10 U V	SW70298WC	17.10 U V	200.00
	07/15/92		.	SW70300WC	17.10 U V	SW70301WC	17.10 U V	200.00
	07/29/92	SW70302WC	2.70 U V	SW70303WC	2.70 U V	SW70304WC	2.70 U V	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	7.20 U R	SW70307WC	7.20 U JA	200.00
	08/20/92	SW02012WC	7.20 U JA	SW02013WC	7.20 U JA	SW02011WC	7.20 U JA	7.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MOLYBDENUM:	08/26/92	SW70310WC	2.70 U V	SW70309WC	2.70 U V	SW70308WC	2.70 U V	200.00
	09/08/92	SW70314WC	4.00 U JA	SW70313WC	2.50 U JA	SW70312WC	3.70 U JA	200.00
	09/22/92	SW70315WC	1.80 U JA	SW70316WC	2.10 U JA	SW70317WC	2.80 U JA	200.00
	10/07/92	SW70321WC	1.70 U	SW70320WC	1.70 U	SW70319WC	2.90	200.00
	10/21/92	SW70324WC	2.20	SW70323WC	3.70		.	200.00
	11/06/92		.	SW70326WC	3.60	SW70325WC	4.90	200.00
	11/17/92		.	SW70329WC	1.70 U	SW70328WC	3.20	200.00
	12/03/92		.	SW70332WC	1.70	SW70331WC	2.50	200.00
	12/16/92		.	SW70337WC	3.40 U	SW70336WC	3.80	200.00
	01/06/93		.	SW70340WC	3.80	SW70339WC	3.40 U	200.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.20 B	200.00
	01/27/93	SW70347WC	7.40	SW70346WC	6.50 U	SW70345WC	6.50 U	6.50
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	40.00
NICKEL:	05/08/91	SW01161WC	3.00 U V	SW01163WC	14.70 U V	SW01182WC	14.70 U V	40.00
	06/20/91	SW01264WC	4.00 U V	SW01266WC	4.00 U V	SW01285WC	4.00 U V	40.00
	07/22/91		.		.	SW01388WC	10.70 U V	10.70
	08/07/91	SW01473WC	4.00 U JA	SW01475WC	10.70 U V	SW01494WC	4.00 U JA	40.00
	09/17/91	SW01579WC	7.00 U JA	SW01581WC	5.90 U V	SW01600WC	5.90 U V	5.90
	10/17/91		.	SW01687WC	5.90 U V		.	5.90
	10/21/91	SW01685WC	5.90 U V		.	SW01706WC	5.90 U V	5.90
	01/27/92	SW01807WC	9.90 U V	SW01809WC	9.90 U V	SW01805WC	9.90 U V	9.90
	04/06/92	SW70259WC	3.00 U V	SW70260WC	11.20 U V	SW70261WC	11.20 U V	40.00
	04/22/92	SW70266WC	11.20 U V	SW70267WC	11.20 U V	SW70268WC	11.20 U V	11.20
	04/23/92		.		.	SW01887WC	11.20 U V	11.20
	04/27/92	SW01889WC	11.20 U V	SW01891WC	11.20 U V		.	11.20
	05/06/92	SW70271WC	3.00 U V	SW70272WC	11.20 U V	SW70273WC	11.20 U V	40.00
	05/20/92	SW70285WC	11.20 U V	SW70286WC	11.20 U V	SW70287WC	11.20 U V	11.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
NICKEL:	06/04/92	SW70290WC	3.00 U V	SW70291WC	3.00 U V	SW70292WC	3.00 U V	40.00
	06/17/92	SW70293WC	11.20 U V	SW70294WC	11.20 U V	SW70295WC	11.20 U V	11.20
	07/02/92	SW70296WC	33.20 U V	SW70297WC	33.20 U V	SW70298WC	33.20 U V	40.00
	07/15/92		.	SW70300WC	33.20 U V	SW70301WC	33.20 U V	40.00
	07/29/92	SW70302WC	6.00 U V	SW70303WC	6.00 U V	SW70304WC	6.00 U V	40.00
	08/13/92	SW70305WC	40.00 U	SW70306WC	11.40 U JA	SW70307WC	15.40 U JA	40.00
	08/20/92	SW02012WC	9.90 U V	SW02013WC	9.90 U V	SW02011WC	9.90 U V	9.90
	08/26/92	SW70310WC	6.00 U V	SW70309WC	6.00 U V	SW70308WC	6.00 U V	40.00
	09/08/92	SW70314WC	2.60 U V	SW70313WC	2.60 U V	SW70312WC	2.60 U V	40.00
	09/22/92	SW70315WC	2.60 U JA	SW70316WC	3.40 JA	SW70317WC	2.70 JA	40.00
	10/07/92	SW70321WC	4.30	SW70320WC	2.60 U	SW70319WC	2.60 U	40.00
	10/21/92	SW70324WC	2.60 U	SW70323WC	2.60 U		.	40.00
	11/06/92		.	SW70326WC	2.60 U	SW70325WC	2.60 U	40.00
	11/17/92		.	SW70329WC	2.60 U	SW70328WC	2.60 U	40.00
	12/03/92		.	SW70332WC	2.60 U	SW70331WC	2.60 U	40.00
	12/16/92		.	SW70337WC	3.00 U	SW70336WC	3.00 U	40.00
	01/06/93		.	SW70340WC	3.00 U	SW70339WC	4.20	40.00
	01/13/93	SW70344WC	6.60 B	SW70343WC	7.20 B	SW70342WC	5.00 U	40.00
	01/27/93	SW70347WC	11.00 U	SW70346WC	11.10	SW70345WC	11.00 U	11.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	8.00
POTASSIUM:	05/08/91	SW01161WC	2500.00 B V	SW01163WC	2050.00 U V	SW01182WC	2420.00 V	5000.00
	06/20/91	SW01264WC	2600.00 V	SW01266WC	1400.00 V	SW01285WC	4300.00 V	5000.00
	07/22/91		.		.	SW01388WC	1730.00 V	1070.00
	08/07/91	SW01473WC	1000.00 V	SW01475WC	1880.00 V	SW01494WC	2800.00 V	5000.00
	09/17/91	SW01579WC	1010.00 V	SW01581WC	1190.00 V	SW01600WC	973.00 V	675.00
	10/17/91		.	SW01687WC	1220.00 JA		.	675.00
	10/21/91	SW01685WC	1060.00 JA		.	SW01706WC	2070.00 JA	675.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
POTASSIUM:	01/27/92	SW01807WC	1150.00 V	SW01809WC	1910.00 V	SW01805WC	4750.00 V	726.00
	04/06/92	SW70259WC	1420.00 B V	SW70260WC	864.00 U JA	SW70261WC	1800.00 U JA	5000.00
	04/22/92	SW70266WC	1490.00 U JA	SW70267WC	1580.00 U JA	SW70268WC	2400.00 U JA	674.00
	04/23/92		.		.	SW01887WC	2510.00 U JA	674.00
	04/27/92	SW01889WC	1040.00 U JA	SW01891WC	1750.00 U JA		.	674.00
	05/06/92	SW70271WC	1010.00 B V	SW70272WC	674.00 U R	SW70273WC	2320.00 U JA	5000.00
	05/20/92	SW70285WC	674.00 U JA	SW70286WC	837.00 U JA	SW70287WC	796.00 U JA	674.00
	06/04/92	SW70290WC	1290.00 B V	SW70291WC	1830.00 B V	SW70292WC	2440.00 B V	5000.00
	06/17/92	SW70293WC	1590.00 U JA	SW70294WC	1490.00 U JA	SW70295WC	2120.00 U JA	674.00
	07/02/92	SW70296WC	3060.00 U V	SW70297WC	3060.00 U V	SW70298WC	3060.00 U V	5000.00
	07/15/92		.	SW70300WC	3060.00 U JA	SW70301WC	3060.00 U JA	5000.00
	07/29/92	SW70302WC	1060.00 V	SW70303WC	1340.00 V	SW70304WC	2270.00 V	5000.00
	08/13/92	SW70305WC	5000.00 U	SW70306WC	2360.00 V	SW70307WC	3060.00 V	5000.00
	08/20/92	SW02012WC	1030.00 U V	SW02013WC	4120.00 V	SW02011WC	1520.00 V	1030.00
	08/26/92	SW70310WC	725.00 V	SW70309WC	1870.00 V	SW70308WC	2790.00 V	5000.00
	09/08/92	SW70314WC	954.00 V	SW70313WC	1260.00 V	SW70312WC	2590.00 V	5000.00
	09/22/92	SW70315WC	1040.00 JA	SW70316WC	1480.00 JA	SW70317WC	2330.00 JA	5000.00
	10/07/92	SW70321WC	2960.00	SW70320WC	872.00	SW70319WC	2670.00	5000.00
	10/21/92	SW70324WC	1030.00	SW70323WC	2860.00		.	5000.00
	11/06/92		.	SW70326WC	1770.00	SW70325WC	5600.00	5000.00
	11/17/92		.	SW70329WC	1370.00	SW70328WC	2620.00	5000.00
	12/03/92		.	SW70332WC	1940.00	SW70331WC	5790.00	5000.00
	12/16/92		.	SW70337WC	1890.00	SW70336WC	21200.00	5000.00
	01/06/93		.	SW70340WC	1450.00	SW70339WC	3680.00	5000.00
	01/13/93	SW70344WC	1410.00 B	SW70343WC	1870.00 B	SW70342WC	4180.00 B	5000.00
	01/27/93	SW70347WC	1100.00	SW70346WC	2190.00	SW70345WC	3130.00	779.00
	02/09/93	SW70350WC	1550.00 B	SW70349WC	3410.00 B	SW70348WC	4170.00 B	1000.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SELENIUM:	05/08/91	SW01161WC	1.00 B JA	SW01163WC	1.20 V	SW01182WC	1.90 V	5.00
	06/20/91	SW01264WC	4.00 U JA	SW01266WC	4.00 U JA	SW01285WC	5.50 JA	5.00
	07/22/91		.		.	SW01388WC	3.50 JA	1.20
	08/07/91	SW01473WC	4.00 UIJA	SW01475WC	1.20 U JA	SW01494WC	4.00 U V	5.00
	09/17/91	SW01579WC	1.20 U JA	SW01581WC	1.20 U V	SW01600WC	1.20 U JA	1.20
	10/17/91		.	SW01687WC	1.50 U V		.	1.50
	10/21/91	SW01685WC	1.50 U V		.	SW01706WC	3.90 V	1.50
	01/27/92	SW01807WC	1.10 JA	SW01809WC	1.00 U V	SW01805WC	2.80 V	1.00
	04/06/92	SW70259WC	1.00 U V	SW70260WC	0.80 U JA	SW70261WC	1.40 JA	5.00
	04/22/92	SW70266WC	1.80 U JA	SW70267WC	1.50 U JA	SW70268WC	3.10 U JA	0.80
	04/23/92		.		.	SW01887WC	3.00 JA	1.80
	04/27/92	SW01889WC	1.80 U JA	SW01891WC	1.80 U JA		.	1.80
	05/06/92	SW70271WC	1.00 U V	SW70272WC	1.00 U JA	SW70273WC	3.60 U JA	5.00
	05/20/92	SW70285WC	1.40 U JA	SW70286WC	1.90 U JA	SW70287WC	3.80 U JA	0.80
	06/04/92	SW70290WC	1.00 U V	SW70291WC	1.20 B V	SW70292WC	2.80 BWJA	5.00
	06/17/92	SW70293WC	0.80 U R	SW70294WC	1.30 U JA	SW70295WC	3.50 U JA	0.80
	07/02/92	SW70296WC	1.50 U JA	SW70297WC	1.00 U V	SW70298WC	2.50 U JA	5.00
	07/15/92		.	SW70300WC	1.00 U V	SW70301WC	6.30 JA	5.00
	07/29/92	SW70302WC	3.60 UWJA	SW70303WC	3.60 U JA	SW70304WC	3.60 U JA	5.00
	08/13/92	SW70305WC	5.00 UW	SW70306WC	1.70 U V	SW70307WC	2.50 V	5.00
	08/20/92	SW02012WC	1.70 U V	SW02013WC	1.70 U V	SW02011WC	1.70 V	1.70
	08/26/92	SW70310WC	2.90 U JA	SW70309WC	3.00 W JA	SW70308WC	2.90 U JA	5.00
	09/08/92	SW70314WC	3.90 UWV	SW70313WC	3.90 U JA	SW70312WC	4.70 V	5.00
	09/22/92	SW70315WC	2.90 U JA	SW70316WC	2.90 U JA	SW70317WC	3.60 JA	5.00
	10/07/92	SW70321WC	3.40 I	SW70320WC	2.90 U	SW70319WC	3.60	5.00
	10/21/92	SW70324WC	3.90 UI	SW70323WC	3.90 U		.	5.00
	11/06/92		.	SW70326WC	2.90 U	SW70325WC	4.50	5.00
	11/17/92		.	SW70329WC	7.40	SW70328WC	15.00	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
SELENIUM:	12/03/92		.		SW70332WC	19.00	UI	SW70331WC	3.80	U	5.00
	12/16/92		.		SW70337WC	3.80	U	SW70336WC	3.80	U	5.00
	01/06/93		.		SW70340WC	3.80	U	SW70339WC	6.10		5.00
	01/13/93	SW70344WC	1.40	B	SW70343WC	3.30	B	SW70342WC	3.70	B	5.00
	01/27/93	SW70347WC	1.30	U	SW70346WC	1.60		SW70345WC	3.80		1.30
	02/09/93	SW70350WC	1.00	U	SW70349WC	1.00	U	SW70348WC	2.10	B	1.00
SILICON:	05/08/91		.		SW01163WC	4980.00	V	SW01182WC	3330.00	V	25.70
	06/20/91	SW01264WC	5620.00	V	SW01266WC	4930.00	V	SW01285WC	4170.00	V	10.50
	07/12/91		.		SW01369WC	5230.00	V		.		10.00
	07/22/91		.			.		SW01388WC	5470.00	V	20.80
	08/07/91	SW01473WC	3800.00	V	SW01475WC	4000.00	JA	SW01494WC	5060.00	V	10.50
	09/17/91	SW01579WC	6290.00	V	SW01581WC	5250.00	V	SW01600WC	5500.00	V	21.00
	10/17/91		.		SW01687WC	5070.00	V		.		21.00
	10/21/91	SW01685WC	6470.00	JA		.		SW01706WC	4760.00	JA	21.00
	01/27/92	SW01807WC	5810.00	V	SW01809WC	5370.00	V	SW01805WC	4250.00	V	37.30
	04/06/92	SW70259WC	6280.00	V	SW70260WC	5070.00	V	SW70261WC	4950.00	V	100.00
	04/22/92	SW70266WC	5670.00	JA	SW70267WC	5090.00	JA	SW70268WC	4070.00	JA	27.70
	04/23/92		.			.		SW01887WC	4820.00	V	27.70
	04/27/92	SW01889WC	6270.00	V	SW01891WC	5550.00	V		.		27.70
	05/06/92	SW70271WC	5970.00	V	SW70272WC	5310.00	V	SW70273WC	4100.00	V	100.00
	05/20/92	SW70285WC	6140.00	V	SW70286WC	5340.00	V	SW70287WC	4810.00	V	27.70
	06/04/92	SW70290WC	5650.00	V	SW70291WC	5240.00	V	SW70292WC	4580.00	V	100.00
	06/17/92	SW70293WC	6150.00	V	SW70294WC	5490.00	V	SW70295WC	4990.00	V	27.70
	07/02/92	SW70296WC	7460.00	V	SW70297WC	6260.00	V	SW70298WC	5430.00	V	100.00
	07/15/92		.		SW70300WC	5700.00	V	SW70301WC	5360.00	JA	100.00
	07/29/92	SW70302WC	7010.00	JA	SW70303WC	6180.00	JA	SW70304WC	5610.00	JA	100.00
	08/13/92	SW70305WC	6370.00		SW70306WC	5970.00	V	SW70307WC	6340.00	V	100.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SILICON:	08/20/92	SW02012WC	5480.00 V	SW02013WC	4520.00 V	SW02011WC	4910.00 V	21.60
	08/26/92	SW70310WC	4780.00 JA	SW70309WC	5300.00 JA	SW70308WC	5700.00 JA	100.00
	09/08/92	SW70314WC	7200.00 JA	SW70313WC	6540.00 JA	SW70312WC	6530.00 JA	100.00
	09/22/92	SW70315WC	6460.00 JA	SW70316WC	5960.00 JA	SW70317WC	5720.00 JA	100.00
	10/07/92	SW70321WC	5570.00	SW70320WC	6480.00	SW70319WC	100.00 U	100.00
	10/21/92	SW70324WC	6530.00	SW70323WC	4960.00		.	100.00
	11/06/92		.	SW70326WC	5370.00	SW70325WC	3160.00	100.00
	11/17/92		.	SW70329WC	5150.00	SW70328WC	5740.00	100.00
	12/03/92		.	SW70332WC	4940.00	SW70331WC	3960.00	100.00
	12/16/92		.	SW70337WC	5130.00	SW70336WC	3930.00	100.00
	01/06/93		.	SW70340WC	6350.00	SW70339WC	6240.00	100.00
	01/13/93	SW70344WC	8690.00	SW70343WC	5460.00	SW70342WC	3700.00	100.00
	01/27/93	SW70347WC	5680.00	SW70346WC	4340.00	SW70345WC	4450.00	7.30
	02/09/93	SW70350WC	5700.00	SW70349WC	4020.00	SW70348WC	5460.00	100.00
SILVER:	05/08/91	SW01161WC	2.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	10.00
	06/20/91	SW01264WC	2.00 U JA	SW01266WC	2.00 U JA	SW01285WC	2.00 U V	10.00
	07/22/91		.		.	SW01388WC	6.80 U V	6.80
	08/07/91	SW01473WC	2.00 U V	SW01475WC	6.80 U V	SW01494WC	2.00 U V	10.00
	09/17/91	SW01579WC	2.90 U V	SW01581WC	2.90 U V	SW01600WC	2.90 U V	2.90
	10/17/91		.	SW01687WC	5.60 U JA		.	2.90
	10/21/91	SW01685WC	5.10 U JA		.	SW01706WC	6.70 U JA	2.90
	01/27/92	SW01807WC	2.50 U V	SW01809WC	2.50 U V	SW01805WC	2.50 U V	2.50
	04/06/92	SW70259WC	2.00 U V	SW70260WC	2.10 U V	SW70261WC	2.10 U V	10.00
	04/22/92	SW70266WC	2.10 U V	SW70267WC	2.90 U JA	SW70268WC	3.10 U JA	2.10
	04/23/92		.		.	SW01887WC	2.10 U V	2.10
	04/27/92	SW01889WC	2.90 U JA	SW01891WC	2.10 U V		.	2.10
	05/06/92	SW70271WC	2.00 U R	SW70272WC	2.10 U V	SW70273WC	3.60 U JA	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SILVER:	05/20/92	SW70285WC	2.10 U V	SW70286WC	2.10 U V	SW70287WC	2.10 U V	2.10
	06/04/92	SW70290WC	2.00 U V	SW70291WC	2.00 U V	SW70292WC	2.00 U V	10.00
	06/17/92	SW70293WC	3.00 U JA	SW70294WC	2.10 U V	SW70295WC	2.10 U V	2.10
	07/02/92	SW70296WC	4.00 U V	SW70297WC	4.00 U V	SW70298WC	4.00 U V	10.00
	07/15/92		.	SW70300WC	4.00 U V	SW70301WC	4.00 U V	10.00
	07/29/92	SW70302WC	2.30 U V	SW70303WC	2.30 U V	SW70304WC	2.30 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	2.00 U V	SW70307WC	2.00 U V	10.00
	08/20/92	SW02012WC	2.00 U V	SW02013WC	2.00 U V	SW02011WC	2.00 U V	2.00
	08/26/92	SW70310WC	2.30 U V	SW70309WC	2.30 U V	SW70308WC	2.30 U V	10.00
	09/08/92	SW70314WC	3.60 U V	SW70313WC	3.60 U V	SW70312WC	3.60 U V	10.00
	09/22/92	SW70315WC	3.60 U R	SW70316WC	3.60 U R	SW70317WC	3.60 U JA	10.00
	10/07/92	SW70321WC	3.60 U	SW70320WC	3.60 U	SW70319WC	3.60 U	10.00
	10/21/92	SW70324WC	3.60 U	SW70323WC	3.60 U		.	10.00
	11/06/92		.	SW70326WC	3.60 U	SW70325WC	3.60 U	10.00
	11/17/92		.	SW70329WC	3.60 U	SW70328WC	3.60 U	10.00
	12/03/92		.	SW70332WC	3.60 U	SW70331WC	3.60 U	10.00
	12/16/92		.	SW70337WC	3.90 U	SW70336WC	3.90 U	10.00
	01/06/93		.	SW70340WC	3.90 U	SW70339WC	3.90 U	10.00
	01/13/93	SW70344WC	3.00 U	SW70343WC	3.00 U	SW70342WC	3.00 U	10.00
	01/27/93	SW70347WC	3.60 U	SW70346WC	3.60 U	SW70345WC	3.60 U	3.60
	02/09/93	SW70350WC	3.00 U	SW70349WC	3.00 U	SW70348WC	3.00 U	2.00
SODIUM:	05/08/91	SW01161WC	39500.00 V	SW01163WC	42400.00 V	SW01182WC	31600.00 V	5000.00
	06/20/91	SW01264WC	37000.00 V	SW01266WC	35000.00 V	SW01285WC	66000.00 V	5000.00
	07/22/91		.		.	SW01388WC	49300.00 V	47.80
	08/07/91	SW01473WC	20000.00 V	SW01475WC	30400.00 V	SW01494WC	44000.00 V	5000.00
	09/17/91	SW01579WC	37700.00 V	SW01581WC	33400.00 V	SW01600WC	34300.00 V	172.00
	10/17/91		.	SW01687WC	32800.00 V		.	172.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
SODIUM:	10/21/91	SW01685WC	39300.00	V		.		SW01706WC	48100.00	V	172.00
	01/27/92	SW01807WC	41400.00	V	SW01809WC	40400.00	V	SW01805WC	74000.00	V	58.80
	04/06/92	SW70259WC	42700.00	V	SW70260WC	32900.00	V	SW70261WC	38700.00	V	5000.00
	04/22/92	SW70266WC	37500.00	V	SW70267WC	30700.00	V	SW70268WC	51300.00	V	34.40
	04/23/92		.			.		SW01887WC	57400.00	V	34.40
	04/27/92	SW01889WC	39800.00	V	SW01891WC	32600.00	V		.		34.40
	05/06/92	SW70271WC	37800.00	V	SW70272WC	29900.00	V	SW70273WC	46000.00	V	5000.00
	05/20/92	SW70285WC	37700.00	V	SW70286WC	31000.00	V	SW70287WC	49300.00	V	34.40
	06/04/92	SW70290WC	36200.00	V	SW70291WC	36600.00	V	SW70292WC	48000.00	V	5000.00
	06/17/92	SW70293WC	33400.00	V	SW70294WC	31200.00	V	SW70295WC	42600.00	V	34.40
	07/02/92	SW70296WC	43300.00	V	SW70297WC	36600.00	V	SW70298WC	47900.00	V	5000.00
	07/15/92		.		SW70300WC	36000.00	V	SW70301WC	49600.00	V	5000.00
	07/29/92	SW70302WC	42400.00	V	SW70303WC	36700.00	V	SW70304WC	44900.00	V	5000.00
	08/13/92	SW70305WC	40200.00		SW70306WC	37700.00	V	SW70307WC	52200.00	V	5000.00
	08/20/92	SW02012WC	36500.00	V	SW02013WC	30900.00	V	SW02011WC	47400.00	V	38.80
	08/26/92	SW70310WC	21300.00	V	SW70309WC	29900.00	V	SW70308WC	45800.00	V	5000.00
	09/08/92	SW70314WC	38300.00	V	SW70313WC	32800.00	V	SW70312WC	63600.00	V	5000.00
	09/22/92	SW70315WC	36800.00	JA	SW70316WC	31200.00	JA	SW70317WC	56500.00	JA	5000.00
	10/07/92	SW70321WC	31000.00		SW70320WC	34800.00		SW70319WC	36100.00		5000.00
	10/21/92	SW70324WC	36600.00		SW70323WC	27100.00			.		5000.00
	11/06/92		.		SW70326WC	36800.00		SW70325WC	51200.00		5000.00
	11/17/92		.		SW70329WC	32900.00		SW70328WC	48900.00		5000.00
	12/03/92		.		SW70332WC	42900.00		SW70331WC	78300.00		5000.00
	12/16/92		.		SW70337WC	47800.00		SW70336WC	197000.00		5000.00
	01/06/93		.		SW70340WC	35100.00		SW70339WC	79100.00		5000.00
	01/13/93	SW70344WC	40300.00		SW70343WC	41600.00		SW70342WC	74000.00		5000.00
	01/27/93	SW70347WC	36700.00		SW70346WC	30200.00		SW70345WC	63700.00		61.60
	02/09/93	SW70350WC	43200.00		SW70349WC	32100.00		SW70348WC	68800.00		1000.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
STRONTIUM:	05/08/91	SW01161WC	538.00	V	SW01163WC	476.00	V	SW01182WC	314.00	V	200.00
	06/20/91	SW01264WC	700.00	V	SW01266WC	510.00	JA	SW01285WC	700.00	V	200.00
	07/22/91		.			.		SW01388WC	536.00	V	7.50
	08/07/91	SW01473WC	330.00	JA	SW01475WC	396.00	V	SW01494WC	480.00	JA	200.00
	09/17/91	SW01579WC	689.00	V	SW01581WC	449.00	V	SW01600WC	452.00	V	2.30
	10/17/91		.		SW01687WC	416.00	V		.		2.30
	10/21/91	SW01685WC	669.00	V		.		SW01706WC	511.00	V	2.30
	01/27/92	SW01807WC	781.00	V	SW01809WC	526.00	V	SW01805WC	608.00	V	2.90
	04/06/92	SW70259WC	821.00	V	SW70260WC	469.00	V	SW70261WC	506.00	V	200.00
	04/22/92	SW70266WC	771.00	JA	SW70267WC	471.00	JA	SW70268WC	576.00	JA	3.30
	04/23/92		.			.		SW01887WC	620.00	V	3.30
	04/27/92	SW01889WC	819.00	V	SW01891WC	502.00	V		.		3.30
	05/06/92	SW70271WC	771.00	V	SW70272WC	484.00	V	SW70273WC	492.00	V	200.00
	05/20/92	SW70285WC	811.00	V	SW70286WC	485.00	V	SW70287WC	579.00	V	3.30
	06/04/92	SW70290WC	752.00	V	SW70291WC	496.00	V	SW70292WC	515.00	V	200.00
	06/17/92	SW70293WC	752.00	V	SW70294WC	490.00	V	SW70295WC	527.00	V	3.30
	07/02/92	SW70296WC	928.00	V	SW70297WC	520.00	V	SW70298WC	525.00	V	200.00
	07/15/92		.		SW70300WC	527.00	V	SW70301WC	534.00	V	200.00
	07/29/92	SW70302WC	864.00	V	SW70303WC	494.00	V	SW70304WC	477.00	V	200.00
	08/13/92	SW70305WC	901.00		SW70306WC	506.00	JA	SW70307WC	537.00	JA	200.00
	08/20/92	SW02012WC	755.00	JA	SW02013WC	392.00	JA	SW02011WC	475.00	V	6.50
	08/26/92	SW70310WC	377.00	V	SW70309WC	379.00	V	SW70308WC	456.00	V	200.00
	09/08/92	SW70314WC	767.00	V	SW70313WC	477.00	V	SW70312WC	612.00	V	200.00
	09/22/92	SW70315WC	740.00	JA	SW70316WC	464.00	JA	SW70317WC	603.00	JA	200.00
	10/07/92	SW70321WC	458.00		SW70320WC	747.00		SW70319WC	440.00		200.00
	10/21/92	SW70324WC	763.00		SW70323WC	336.00			.		200.00
	11/06/92		.		SW70326WC	488.00		SW70325WC	329.00		200.00
	11/17/92		.		SW70329WC	482.00		SW70328WC	548.00		200.00

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Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
STRONTIUM:	12/03/92		.	SW70332WC	479.00	SW70331WC	452.00	200.00
	12/16/92		.	SW70337WC	550.00	SW70336WC	649.00	200.00
	01/06/93		.	SW70340WC	511.00	SW70339WC	673.00	200.00
	01/13/93	SW70344WC	690.00	SW70343WC	607.00	SW70342WC	512.00	200.00
	01/27/93	SW70347WC	684.00	SW70346WC	410.00	SW70345WC	628.00	5.50
	02/09/93	SW70350WC	740.00	SW70349WC	334.00	SW70348WC	543.00	40.00
THALLIUM:	05/08/91	SW01161WC	1.00 UNJA	SW01163WC	1.40 U JA	SW01182WC	1.40 U JA	10.00
	06/20/91	SW01264WC	3.00 UWR	SW01266WC	3.00 UWR	SW01285WC	15.00 UWR	10.00
	07/22/91		.		.	SW01388WC	1.60 U JA	1.60
	08/07/91	SW01473WC	3.00 UIJA	SW01475WC	1.60 U V	SW01494WC	15.00 UIJA	10.00
	09/17/91	SW01579WC	1.90 U V	SW01581WC	2.20 U JA	SW01600WC	1.90 U JA	1.90
	10/17/91		.	SW01687WC	1.90 U V		.	1.90
	10/21/91	SW01685WC	1.90 U JA		.	SW01706WC	1.90 U JA	1.90
	01/27/92	SW01807WC	2.00 U V	SW01809WC	2.00 U V	SW01805WC	2.00 U JA	2.00
	04/06/92	SW70259WC	1.00 UWV	SW70260WC	1.70 U V	SW70261WC	1.70 U V	10.00
	04/22/92	SW70266WC	2.00 U V	SW70267WC	2.00 U V	SW70268WC	2.00 U JA	2.00
	04/23/92		.		.	SW01887WC	1.60 U V	1.60
	04/27/92	SW01889WC	1.60 U V	SW01891WC	1.60 U V		.	1.60
	05/06/92	SW70271WC	1.00 UWJA	SW70272WC	2.00 U JA	SW70273WC	2.00 U JA	10.00
	05/20/92	SW70285WC	2.00 U JA	SW70286WC	2.00 U JA	SW70287WC	2.00 U JA	2.00
	06/04/92	SW70290WC	1.00 U V	SW70291WC	1.00 U V	SW70292WC	1.00 U V	10.00
	06/17/92	SW70293WC	1.60 U V	SW70294WC	1.60 U V	SW70295WC	1.60 U V	1.60
	07/02/92	SW70296WC	1.00 U V	SW70297WC	1.00 U V	SW70298WC	1.40 B JA	10.00
	07/15/92		.	SW70300WC	1.00 U JA	SW70301WC	1.00 U JA	10.00
	07/29/92	SW70302WC	3.80 U JA	SW70303WC	3.80 UWJA	SW70304WC	3.80 UWJA	10.00
	08/13/92	SW70305WC	10.00 UW	SW70306WC	1.80 U V	SW70307WC	1.80 U V	10.00
	08/20/92	SW02012WC	1.80 U V	SW02013WC	1.80 U V	SW02011WC	1.80 U V	1.80

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
THALLIUM:	08/26/92	SW70310WC	3.80 U V	SW70309WC	3.80 U JA	SW70308WC	3.80 U V	10.00
	09/08/92	SW70314WC	1.30 UWV	SW70313WC	1.30 UWV	SW70312WC	1.30 UWV	10.00
	09/22/92	SW70315WC	1.30 UWR	SW70316WC	6.50 UWR	SW70317WC	6.50 UWR	10.00
	10/07/92	SW70321WC	3.80 U	SW70320WC	3.80 U	SW70319WC	3.80 U	10.00
	10/21/92	SW70324WC	3.80 UI	SW70323WC	3.80 U		.	10.00
	11/06/92		.	SW70326WC	3.80 UI	SW70325WC	3.80 UI	10.00
	11/17/92		.	SW70329WC	3.80 UI	SW70328WC	3.80 UI	10.00
	12/03/92		.	SW70332WC	2.60 U	SW70331WC	2.60 U	10.00
	12/16/92		.	SW70337WC	1.50 U	SW70336WC	1.50 UI	10.00
	01/06/93		.	SW70340WC	2.60 U	SW70339WC	2.60 UI	10.00
	01/13/93	SW70344WC	1.00 UW	SW70343WC	1.00 UW	SW70342WC	1.00 UW	10.00
	01/27/93	SW70347WC	1.50 U	SW70346WC	1.50 U	SW70345WC	1.50 U	1.50
	02/09/93	SW70350WC	1.00 UW	SW70349WC	1.00 UW	SW70348WC	1.00 UW	2.00
TIN:	05/08/91	SW01161WC	18.60 B V	SW01163WC	14.80 U V	SW01182WC	14.80 U V	200.00
	06/20/91	SW01264WC	13.00 U JA	SW01266WC	13.00 U JA	SW01285WC	13.00 U JA	200.00
	07/22/91		.		.	SW01388WC	38.90 U V	38.90
	08/07/91	SW01473WC	13.00 U R	SW01475WC	38.90 U V	SW01494WC	13.00 U R	200.00
	09/17/91	SW01579WC	10.40 U V	SW01581WC	10.40 U V	SW01600WC	10.40 U V	10.40
	10/17/91		.	SW01687WC	10.40 U V		.	10.40
	10/21/91	SW01685WC	10.40 U V		.	SW01706WC	10.40 U V	10.40
	01/27/92	SW01807WC	14.20 U V	SW01809WC	14.20 U V	SW01805WC	14.20 U V	14.20
	04/06/92	SW70259WC	23.00 U V	SW70260WC	9.40 U V	SW70261WC	9.40 U V	200.00
	04/22/92	SW70266WC	9.40 U V	SW70267WC	9.40 U V	SW70268WC	9.40 U V	9.40
	04/23/92		.		.	SW01887WC	9.40 U V	9.40
	04/27/92	SW01889WC	9.40 U V	SW01891WC	9.40 U V		.	9.40
	05/06/92	SW70271WC	23.00 U V	SW70272WC	9.40 U V	SW70273WC	9.40 U V	200.00
	05/20/92	SW70285WC	9.40 U V	SW70286WC	9.40 U V	SW70287WC	9.40 U V	9.40

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TIN:	06/04/92	SW70290WC	23.00 U V	SW70291WC	23.00 U V	SW70292WC	23.00 U V	200.00
	06/17/92	SW70293WC	9.40 U V	SW70294WC	9.40 U V	SW70295WC	9.40 U V	9.40
	07/02/92	SW70296WC	64.30 U V	SW70297WC	64.30 U V	SW70298WC	64.30 U V	200.00
	07/15/92		.	SW70300WC	64.30 U V	SW70301WC	64.30 U V	200.00
	07/29/92	SW70302WC	12.50 U V	SW70303WC	12.50 U V	SW70304WC	12.50 U V	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	64.00 U JA	SW70307WC	14.90 U JA	200.00
	08/20/92	SW02012WC	13.70 U V	SW02013WC	13.70 U V	SW02011WC	13.70 U V	13.70
	08/26/92	SW70310WC	12.50 U V	SW70309WC	12.50 U V	SW70308WC	12.50 U V	200.00
	09/08/92	SW70314WC	6.20 U V	SW70313WC	6.20 U V	SW70312WC	6.20 U V	200.00
	09/22/92	SW70315WC	6.20 U JA	SW70316WC	6.20 U JA	SW70317WC	6.20 U JA	200.00
	10/07/92	SW70321WC	6.20 U	SW70320WC	6.20 U	SW70319WC	6.20 U	200.00
	10/21/92	SW70324WC	6.20 U	SW70323WC	6.20 U		.	200.00
	11/06/92		.	SW70326WC	6.20 U	SW70325WC	6.20 U	200.00
	11/17/92		.	SW70329WC	6.20 U	SW70328WC	6.20 U	200.00
	12/03/92		.	SW70332WC	6.20 U	SW70331WC	6.20 U	200.00
	12/16/92		.	SW70337WC	9.30 U	SW70336WC	9.30 U	200.00
	01/06/93		.	SW70340WC	9.30 U	SW70339WC	9.30 U	200.00
	01/13/93	SW70344WC	13.00 U	SW70343WC	13.00 U	SW70342WC	13.00 U	200.00
	01/27/93	SW70347WC	16.70 U	SW70346WC	16.70 U	SW70345WC	16.70 U	16.70
	02/09/93	SW70350WC	13.00 U	SW70349WC	13.00 U	SW70348WC	13.00 U	40.00
VANADIUM:	05/08/91	SW01161WC	2.60 B V	SW01163WC	5.70 U V	SW01182WC	5.70 U V	50.00
	06/20/91	SW01264WC	3.00 U JA	SW01266WC	3.60 U JA	SW01285WC	2.60 U JA	50.00
	07/22/91				.	SW01388WC	6.50 U V	6.50
	08/07/91	SW01473WC	3.00 U V	SW01475WC	6.50 U V	SW01494WC	3.00 U V	50.00
	09/17/91	SW01579WC	4.20 U JA	SW01581WC	2.30 U V	SW01600WC	4.30 U JA	2.30
	10/17/91		.	SW01687WC	2.30 U V		.	2.30
	10/21/91	SW01685WC	2.60 U JA		.	SW01706WC	3.30 U JA	2.30

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
VANADIUM:	01/27/92	SW01807WC	4.70 U V	SW01809WC	4.70 U V	SW01805WC	4.70 U V	4.70
	04/06/92	SW70259WC	10.50 U JA	SW70260WC	3.50 U V	SW70261WC	3.50 U V	50.00
	04/22/92	SW70266WC	3.50 U V	SW70267WC	3.50 U V	SW70268WC	3.50 U V	3.50
	04/23/92		.		.	SW01887WC	3.50 U V	3.50
	04/27/92	SW01889WC	3.50 U V	SW01891WC	3.50 U V		.	3.50
	05/06/92	SW70271WC	7.20 U JA	SW70272WC	3.50 U V	SW70273WC	3.50 U V	50.00
	05/20/92	SW70285WC	3.50 U V	SW70286WC	3.50 U V	SW70287WC	3.50 U V	3.50
	06/04/92	SW70290WC	8.40 B V	SW70291WC	7.30 B V	SW70292WC	5.30 U JA	50.00
	06/17/92	SW70293WC	3.90 U JA	SW70294WC	3.50 U V	SW70295WC	3.50 U V	3.50
	07/02/92	SW70296WC	3.80 U V	SW70297WC	4.10 U JA	SW70298WC	3.80 U V	50.00
	07/15/92		.	SW70300WC	3.80 U JA	SW70301WC	3.80 U V	50.00
	07/29/92	SW70302WC	3.30 U V	SW70303WC	3.30 U V	SW70304WC	3.30 U V	50.00
	08/13/92	SW70305WC	50.00 U	SW70306WC	3.00 V	SW70307WC	2.90 U V	50.00
	08/20/92	SW02012WC	2.90 U V	SW02013WC	2.90 U V	SW02011WC	2.90 U V	2.90
	08/26/92	SW70310WC	3.30 U V	SW70309WC	3.30 U V	SW70308WC	3.30 U V	50.00
	09/08/92	SW70314WC	2.50 U V	SW70313WC	2.50 U V	SW70312WC	2.50 U V	50.00
	09/22/92	SW70315WC	2.50 U JA	SW70316WC	3.70 JA	SW70317WC	2.50 U JA	50.00
	10/07/92	SW70321WC	2.50 U	SW70320WC	2.50 U	SW70319WC	2.50 U	50.00
	10/21/92	SW70324WC	2.50 U	SW70323WC	2.50 U		.	50.00
	11/06/92		.	SW70326WC	2.50 U	SW70325WC	2.50	50.00
	11/17/92		.	SW70329WC	2.50 U	SW70328WC	2.50 U	50.00
	12/03/92		.	SW70332WC	2.50 U	SW70331WC	2.50 U	50.00
	12/16/92		.	SW70337WC	2.50 U	SW70336WC	2.50 U	50.00
	01/06/93		.	SW70340WC	2.80	SW70339WC	2.50 U	50.00
	01/13/93	SW70344WC	7.00 B	SW70343WC	5.00 U	SW70342WC	5.00 U	50.00
	01/27/93	SW70347WC	3.20 U	SW70346WC	3.20 U	SW70345WC	3.20 U	3.20
	02/09/93	SW70350WC	5.00 U	SW70349WC	11.40 B	SW70348WC	5.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ZINC:	05/08/91	SW01161WC	164.00 E JA	SW01163WC	1.80 U JA	SW01182WC	1.80 U JA	20.00
	06/20/91	SW01264WC	380.00 V	SW01266WC	240.00 V	SW01285WC	13.00 JA	20.00
	07/22/91		.		.	SW01388WC	10.50 V	7.20
	08/07/91	SW01473WC	49.00 V	SW01475WC	7.20 U V	SW01494WC	3.00 U V	20.00
	09/17/91	SW01579WC	198.00 V	SW01581WC	8.90 U JA	SW01600WC	4.30 U V	4.30
	10/17/91		.	SW01687WC	4.30 U V		.	4.30
	10/21/91	SW01685WC	226.00 V		.	SW01706WC	4.30 U V	4.30
	01/27/92	SW01807WC	177.00 V	SW01809WC	4.60 U JA	SW01805WC	4.50 U JA	2.20
	04/06/92	SW70259WC	263.00 V	SW70260WC	1.70 U V	SW70261WC	3.50 U JA	20.00
	04/22/92	SW70266WC	203.00 V	SW70267WC	3.00 U JA	SW70268WC	1.70 U V	1.70
	04/23/92		.		.	SW01887WC	1.70 U V	1.70
	04/27/92	SW01889WC	230.00 V	SW01891WC	1.70 U V		.	1.70
	05/06/92	SW70271WC	180.00 V	SW70272WC	1.70 U JA	SW70273WC	1.70 U R	20.00
	05/20/92	SW70285WC	198.00 V	SW70286WC	1.70 U JA	SW70287WC	1.70 U JA	1.70
	06/04/92	SW70290WC	180.00 E JA	SW70291WC	5.30 U JA	SW70292WC	6.50 U JA	20.00
	06/17/92	SW70293WC	179.00 V	SW70294WC	4.60 U JA	SW70295WC	2.10 U JA	1.70
	07/02/92	SW70296WC	240.00 V	SW70297WC	8.30 U JA	SW70298WC	6.30 U JA	20.00
	07/15/92		.	SW70300WC	8.30 U JA	SW70301WC	6.90 U JA	20.00
	07/29/92	SW70302WC	254.00 V	SW70303WC	10.90 V	SW70304WC	10.10 U V	20.00
	08/13/92	SW70305WC	244.00	SW70306WC	2.90 U V	SW70307WC	3.40 U JA	20.00
	08/20/92	SW02012WC	187.00 V	SW02013WC	60.40 V	SW02011WC	17.60 U JA	2.90
	08/26/92	SW70310WC	31.50 V	SW70309WC	10.10 U V	SW70308WC	10.10 U V	20.00
	09/08/92	SW70314WC	207.00 V	SW70313WC	5.70 U V	SW70312WC	5.70 U V	20.00
	09/22/92	SW70315WC	149.00 JA	SW70316WC	5.70 U JA	SW70317WC	5.70 U JA	20.00
	10/07/92	SW70321WC	22.00	SW70320WC	147.00	SW70319WC	18.10	20.00
	10/21/92	SW70324WC	136.00	SW70323WC	20.30		.	20.00
	11/06/92		.	SW70326WC	5.70 U	SW70325WC	5.70 U	20.00
	11/17/92		.	SW70329WC	17.80	SW70328WC	13.70	20.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BERYLLIUM:	12/03/92		.	SW70332WC	0.30 U	SW70331WC	0.30 U	5.00
	12/16/92		.	SW70337WC	0.50 U	SW70336WC	0.50 U	5.00
	01/06/93		.	SW70340WC	0.50 U	SW70339WC	0.50 U	5.00
	01/13/93	SW70344WC	1.00 U	SW70343WC	1.00 U	SW70342WC	1.00 U	5.00
	01/27/93	SW70347WC	0.90 U	SW70346WC	0.90 U	SW70345WC	0.90 U	0.90
	02/09/93	SW70350WC	1.00 U	SW70349WC	1.00 U	SW70348WC	1.00 U	1.00
CADMIUM:	05/08/91	SW01161WC	2.00 U V	SW01163WC	3.30 U JA	SW01182WC	3.30 U JA	5.00
	06/20/91	SW01264WC	1.00 U V	SW01266WC	1.00 U V	SW01285WC	1.00 U V	5.00
	07/22/91		.		.	SW01388WC	4.60 U V	4.60
	08/07/91	SW01473WC	2.00 U V	SW01475WC	4.60 U V	SW01494WC	2.00 U V	5.00
	09/17/91	SW01579WC	2.40 U V	SW01581WC	2.40 U V	SW01600WC	2.40 U V	2.40
	10/17/91		.	SW01687WC	2.40 U JA		.	2.40
	10/21/91	SW01685WC	2.40 U JA		.	SW01706WC	2.40 U JA	2.40
	01/27/92	SW01807WC	2.80 U JA	SW01809WC	2.80 U JA	SW01805WC	2.80 U JA	2.80
	04/06/92	SW70259WC	2.00 U V	SW70260WC	2.30 U JA	SW70261WC	2.30 U JA	5.00
	04/22/92	SW70266WC	2.30 U V	SW70267WC	2.30 U V	SW70268WC	2.30 U V	2.30
	04/23/92		.		.	SW01887WC	2.30 U V	2.30
	04/27/92	SW01889WC	2.30 U V	SW01891WC	2.30 U V		.	2.30
	05/06/92	SW70271WC	2.00 U JA	SW70272WC	2.30 U V	SW70273WC	2.30 U V	5.00
	05/20/92	SW70285WC	2.30 U V	SW70286WC	2.30 U V	SW70287WC	2.30 U V	2.30
	06/04/92	SW70290WC	2.00 U V	SW70291WC	2.00 U V	SW70292WC	2.00 U V	5.00
	06/17/92	SW70293WC	2.30 U V	SW70294WC	2.30 U V	SW70295WC	2.90 U JA	2.30
	07/02/92	SW70296WC	4.40 U V	SW70297WC	4.40 U V	SW70298WC	4.40 U V	5.00
	07/15/92		.	SW70300WC	4.40 U JA	SW70301WC	4.40 U JA	5.00
	07/29/92	SW70302WC	1.40 U V	SW70303WC	1.40 U V	SW70304WC	1.40 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	3.10 U V	SW70307WC	3.10 U V	5.00
	08/20/92	SW02012WC	3.10 U V	SW02013WC	3.10 U V	SW02011WC	3.10 U V	3.10

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CADMIUM:	08/26/92	SW70310WC	1.40 U V	SW70309WC	1.40 U V	SW70308WC	1.40 U V	5.00
	09/08/92	SW70314WC	1.50 U V	SW70313WC	1.50 U V	SW70312WC	1.50 U V	5.00
	09/22/92	SW70315WC	1.50 U JA	SW70316WC	1.50 U JA	SW70317WC	1.50 U JA	5.00
	10/07/92	SW70321WC	1.50 U V	SW70320WC	1.50 U V	SW70319WC	1.50 U JA	5.00
	10/21/92	SW70324WC	1.50 U	SW70323WC	1.70		.	5.00
	11/06/92		.	SW70326WC	1.50 U	SW70325WC	2.20	5.00
	11/17/92		.	SW70329WC	1.50 U	SW70328WC	1.50 U	5.00
	12/03/92		.	SW70332WC	1.50 U	SW70331WC	1.50 U	5.00
	12/16/92		.	SW70337WC	1.60 U	SW70336WC	1.60 U	5.00
	01/06/93		.	SW70340WC	1.60 U	SW70339WC	1.60 U	5.00
	01/13/93	SW70344WC	2.00 U	SW70343WC	2.00 U	SW70342WC	2.50 B	5.00
	01/27/93	SW70347WC	2.70 U	SW70346WC	2.70 U	SW70345WC	2.70 U	2.70
	02/09/93	SW70350WC	2.00 U	SW70349WC	2.00 U	SW70348WC	2.00 U	1.00
CALCIUM:	05/08/91	SW01161WC	90700.00 V	SW01163WC	77700.00 V	SW01182WC	47800.00 V	5000.00
	06/20/91	SW01264WC	120000.00 V	SW01266WC	91000.00 V	SW01285WC	86000.00 V	5000.00
	07/22/91		.		.	SW01388WC	73300.00 V	19.60
	08/07/91	SW01473WC	50000.00 V	SW01475WC	63000.00 V	SW01494WC	65000.00 V	5000.00
	09/17/91	SW01579WC	112000.00 V	SW01581WC	78600.00 V	SW01600WC	74000.00 V	29.20
	10/17/91		.	SW01687WC	74200.00 V		.	29.20
	10/21/91	SW01685WC	114000.00 V		.	SW01706WC	72500.00 V	29.20
	01/27/92	SW01807WC	119000.00 V	SW01809WC	91100.00 V	SW01805WC	82400.00 V	25.80
	04/06/92	SW70259WC	118000.00 V	SW70260WC	90800.00 V	SW70261WC	90000.00 V	5000.00
	04/22/92	SW70266WC	118000.00 V	SW70267WC	94500.00 V	SW70268WC	78700.00 V	24.10
	04/23/92		.		.	SW01887WC	79000.00 V	24.10
	04/27/92	SW01889WC	112000.00 V	SW01891WC	92900.00 V		.	24.10
	05/06/92	SW70271WC	125000.00 V	SW70272WC	105000.00 V	SW70273WC	82000.00 V	5000.00
	05/20/92	SW70285WC	127000.00 V	SW70286WC	94300.00 V	SW70287WC	83600.00 V	24.10

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
CALCIUM:	06/04/92	SW70290WC	116000.00	V	SW70291WC	84700.00	V	SW70292WC	74400.00	V	5000.00
	06/17/92	SW70293WC	106000.00	V	SW70294WC	90000.00	V	SW70295WC	70100.00	V	24.10
	07/02/92	SW70296WC	139000.00	V	SW70297WC	101000.00	V	SW70298WC	92600.00	V	5000.00
	07/15/92		.		SW70300WC	105000.00	V	SW70301WC	67400.00	V	5000.00
	07/29/92	SW70302WC	124000.00	V	SW70303WC	90200.00	V	SW70304WC	67800.00	V	5000.00
	08/13/92	SW70305WC	113000.00		SW70306WC	81300.00	V	SW70307WC	70400.00	V	5000.00
	08/20/92	SW02012WC	104000.00	V	SW02013WC	64000.00	V	SW02011WC	72100.00	V	18.30
	08/26/92	SW70310WC	58300.00	V	SW70309WC	70700.00	V	SW70308WC	68000.00	V	5000.00
	09/08/92	SW70314WC	119000.00	V	SW70313WC	87800.00	V	SW70312WC	82000.00	V	5000.00
	09/22/92	SW70315WC	106000.00	JA	SW70316WC	78800.00	JA	SW70317WC	78300.00	JA	5000.00
	10/07/92	SW70321WC	107000.00	V	SW70320WC	77900.00	V	SW70319WC	56700.00	JA	5000.00
	10/21/92	SW70324WC	107000.00		SW70323WC	53500.00			.		5000.00
	11/06/92		.		SW70326WC	83600.00		SW70325WC	70400.00		5000.00
	11/17/92		.		SW70329WC	71300.00		SW70328WC	106000.00		5000.00
	12/03/92		.		SW70332WC	83700.00		SW70331WC	89800.00		5000.00
	12/16/92		.		SW70337WC	89700.00		SW70336WC	118000.00		5000.00
	01/06/93		.		SW70340WC	81300.00		SW70339WC	103000.00		5000.00
	01/13/93	SW70344WC	98400.00		SW70343WC	94200.00		SW70342WC	95300.00		5000.00
	01/27/93	SW70347WC	114000.00		SW70346WC	76700.00		SW70345WC	107000.00		30.80
	02/09/93	SW70350WC	121000.00		SW70349WC	61800.00		SW70348WC	184000.00		1000.00
CESIUM:	05/08/91	SW01161WC	110.00	U V	SW01163WC	500.00	U V	SW01182WC	500.00	U V	1000.00
	06/20/91	SW01264WC	50.00	V	SW01266WC	50.00	V	SW01285WC	50.00	U V	1000.00
	07/22/91		.			.		SW01388WC	500.00	U V	500.00
	08/07/91	SW01473WC	50.00	U V	SW01475WC	500.00	U V	SW01494WC	50.00	U V	1000.00
	09/17/91	SW01579WC	500.00	U V	SW01581WC	500.00	U V	SW01600WC	500.00	U V	500.00
	10/17/91		.		SW01687WC	500.00	U V		.		500.00
	10/21/91	SW01685WC	500.00	U V		.		SW01706WC	500.00	U V	500.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CESIUM:	01/27/92	SW01807WC	500.00 U V	SW01809WC	500.00 U V	SW01805WC	500.00 U V	500.00
	04/06/92	SW70259WC	20.00 U R	SW70260WC	500.00 U V	SW70261WC	500.00 U V	1000.00
	04/22/92	SW70266WC	500.00 U V	SW70267WC	500.00 U V	SW70268WC	500.00 U V	500.00
	04/23/92		.		.	SW01887WC	500.00 U V	500.00
	04/27/92	SW01889WC	500.00 U V	SW01891WC	500.00 U V		.	500.00
	05/06/92	SW70271WC	23.00 U JA	SW70272WC	500.00 U V	SW70273WC	500.00 U V	1000.00
	05/20/92	SW70285WC	500.00 U V	SW70286WC	500.00 U V	SW70287WC	500.00 U V	500.00
	06/04/92	SW70290WC	23.00 U R	SW70291WC	23.00 U V	SW70292WC	23.00 U R	1000.00
	06/17/92	SW70293WC	500.00 U V	SW70294WC	500.00 U V	SW70295WC	500.00 U V	500.00
	07/02/92	SW70296WC	2.00 U V	SW70297WC	2.00 U V	SW70298WC	2.00 U V	1000.00
	07/15/92		.	SW70300WC	2.00 U V	SW70301WC	2.00 U V	1000.00
	07/29/92	SW70302WC	50.00 V	SW70303WC	50.00 U V	SW70304WC	50.00 U V	1000.00
	08/13/92	SW70305WC	1000.00 U	SW70306WC	500.00 U V	SW70307WC	500.00 U V	1000.00
	08/20/92	SW02012WC	500.00 U V	SW02013WC	500.00 U V	SW02011WC	500.00 U V	500.00
	08/26/92	SW70310WC	50.00 U V	SW70309WC	50.00 V	SW70308WC	60.00 V	1000.00
	09/08/92	SW70314WC	50.00 U V	SW70313WC	50.00 U V	SW70312WC	50.00 U V	1000.00
	09/22/92	SW70315WC	50.00 JA	SW70316WC	50.00 U JA	SW70317WC	50.00 U JA	1000.00
	10/07/92	SW70321WC	50.00 U JA	SW70320WC	50.00 U JA	SW70319WC	50.00 U JA	1000.00
	10/21/92	SW70324WC	50.00 U	SW70323WC	50.00 U		.	1000.00
	11/06/92		.	SW70326WC	50.00 U	SW70325WC	50.00 U	1000.00
	11/17/92		.	SW70329WC	50.00 U	SW70328WC	50.00 U	1000.00
	12/03/92		.	SW70332WC	50.00 U	SW70331WC	50.00 U	1000.00
	12/16/92		.	SW70337WC	50.00 U	SW70336WC	50.00 U	1000.00
	01/06/93		.	SW70340WC	60.00	SW70339WC	50.00	1000.00
	01/13/93	SW70344WC	25.00 U	SW70343WC	25.00 U	SW70342WC	25.00 U	1000.00
	01/27/93	SW70347WC	500.00 U	SW70346WC	500.00 U	SW70345WC	500.00 U	500.00
	02/09/93	SW70350WC	25.00 U	SW70349WC	25.00 U	SW70348WC	25.00 U	200.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHROMIUM:	05/08/91	SW01161WC	5.20 B JA	SW01163WC	4.10 U JA	SW01182WC	4.10 JA	10.00
	06/20/91	SW01264WC	2.00 U V	SW01266WC	2.00 U V	SW01285WC	2.00 U V	10.00
	07/22/91		.		.	SW01388WC	5.50 U V	5.50
	08/07/91	SW01473WC	2.00 U V	SW01475WC	5.50 U V	SW01494WC	2.00 U V	10.00
	09/17/91	SW01579WC	2.60 U V	SW01581WC	2.60 U V	SW01600WC	2.60 U V	2.60
	10/17/91		.	SW01687WC	2.60 U V		.	2.60
	10/21/91	SW01685WC	2.60 U V		.	SW01706WC	2.60 U V	2.60
	01/27/92	SW01807WC	5.70 U V	SW01809WC	5.70 U V	SW01805WC	5.70 U V	5.70
	04/06/92	SW70259WC	5.00 U V	SW70260WC	2.00 U V	SW70261WC	2.00 U V	10.00
	04/22/92	SW70266WC	2.00 U V	SW70267WC	2.00 U V	SW70268WC	2.00 U V	2.00
	04/23/92		.		.	SW01887WC	2.00 U V	2.00
	04/27/92	SW01889WC	2.00 U V	SW01891WC	2.00 U V		.	2.00
	05/06/92	SW70271WC	6.50 B JA	SW70272WC	2.00 U V	SW70273WC	2.00 U V	10.00
	05/20/92	SW70285WC	2.00 U V	SW70286WC	2.00 U V	SW70287WC	2.00 U V	2.00
	06/04/92	SW70290WC	5.00 U JA	SW70291WC	5.00 U JA	SW70292WC	5.00 U V	10.00
	06/17/92	SW70293WC	2.00 U V	SW70294WC	2.00 U V	SW70295WC	2.00 U V	2.00
	07/02/92	SW70296WC	4.90 U V	SW70297WC	4.90 U V	SW70298WC	4.90 U V	10.00
	07/15/92		.	SW70300WC	6.00 B JA	SW70301WC	8.70 B JA	10.00
	07/29/92	SW70302WC	3.70 U V	SW70303WC	3.70 U V	SW70304WC	3.70 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	3.10 U V	SW70307WC	3.10 U V	10.00
	08/20/92	SW02012WC	3.10 U V	SW02013WC	3.10 U V	SW02011WC	3.10 U V	3.10
	08/26/92	SW70310WC	3.70 U V	SW70309WC	3.70 U V	SW70308WC	3.70 U V	10.00
	09/08/92	SW70314WC	26.60 JA	SW70313WC	2.60 U JA	SW70312WC	2.60 U JA	10.00
	09/22/92	SW70315WC	2.60 U JA	SW70316WC	3.20 U JA	SW70317WC	2.60 U JA	10.00
	10/07/92	SW70321WC	2.60 U V	SW70320WC	2.90 V	SW70319WC	2.60 U JA	10.00
	10/21/92	SW70324WC	2.60 U	SW70323WC	5.50		.	10.00
	11/06/92		.	SW70326WC	3.60	SW70325WC	6.50	10.00
	11/17/92		.	SW70329WC	2.60 U	SW70328WC	2.60 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHROMIUM:	12/03/92		.	SW70332WC	2.60 U	SW70331WC	2.60 U	10.00
	12/16/92		.	SW70337WC	2.70 U	SW70336WC	2.70 U	10.00
	01/06/93		.	SW70340WC	2.70 U	SW70339WC	2.70 U	10.00
	01/13/93	SW70344WC	2.00 U	SW70343WC	2.00 U	SW70342WC	2.00 U	10.00
	01/27/93	SW70347WC	2.60 U	SW70346WC	2.60 U	SW70345WC	2.60 U	2.60
	02/09/93	SW70350WC	5.10 B	SW70349WC	2.00 U	SW70348WC	2.00 U	2.00
COBALT:	05/08/91	SW01161WC	3.00 U V	SW01163WC	3.60 U V	SW01182WC	3.60 U V	50.00
	06/20/91	SW01264WC	2.00 U V	SW01266WC	2.00 U V	SW01285WC	2.00 U V	50.00
	07/22/91		.		.	SW01388WC	7.30 U V	7.30
	08/07/91	SW01473WC	2.00 U V	SW01475WC	7.30 U V	SW01494WC	2.00 U V	50.00
	09/17/91	SW01579WC	3.60 U JA	SW01581WC	2.80 U V	SW01600WC	2.80 U V	2.80
	10/17/91		.	SW01687WC	2.80 U V		.	2.80
	10/21/91	SW01685WC	2.80 U V		.	SW01706WC	2.80 U V	2.80
	01/27/92	SW01807WC	3.40 U V	SW01809WC	3.40 U V	SW01805WC	3.40 U V	3.40
	04/06/92	SW70259WC	4.00 U V	SW70260WC	2.70 U V	SW70261WC	2.70 U V	50.00
	04/22/92	SW70266WC	2.70 U V	SW70267WC	2.70 U V	SW70268WC	2.70 U V	2.70
	04/23/92		.		.	SW01887WC	2.70 U V	2.70
	04/27/92	SW01889WC	2.70 U V	SW01891WC	2.70 U V		.	2.70
	05/06/92	SW70271WC	4.00 U V	SW70272WC	2.70 U V	SW70273WC	2.70 U V	50.00
	05/20/92	SW70285WC	2.70 U V	SW70286WC	2.70 U V	SW70287WC	2.70 U V	2.70
	06/04/92	SW70290WC	4.00 U V	SW70291WC	4.00 U V	SW70292WC	4.00 U V	50.00
	06/17/92	SW70293WC	2.70 U V	SW70294WC	2.70 U V	SW70295WC	2.70 U V	2.70
	07/02/92	SW70296WC	6.50 U V	SW70297WC	6.50 U V	SW70298WC	6.50 U V	50.00
	07/15/92		.	SW70300WC	6.50 U V	SW70301WC	6.50 U V	50.00
	07/29/92	SW70302WC	2.30 U V	SW70303WC	2.30 U V	SW70304WC	2.30 U V	50.00
	08/13/92	SW70305WC	50.00 U	SW70306WC	2.20 U V	SW70307WC	2.20 U V	50.00
	08/20/92	SW02012WC	2.20 U V	SW02013WC	2.20 U JA	SW02011WC	2.20 U V	2.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
COBALT:	08/26/92	SW70310WC	2.30 U V	SW70309WC	2.30 U V	SW70308WC	2.30 U V	50.00
	09/08/92	SW70314WC	1.30 U V	SW70313WC	1.30 U V	SW70312WC	1.30 U V	50.00
	09/22/92	SW70315WC	1.30 U JA	SW70316WC	1.30 U JA	SW70317WC	1.30 U JA	50.00
	10/07/92	SW70321WC	1.30 U V	SW70320WC	1.30 U V	SW70319WC	1.30 U JA	50.00
	10/21/92	SW70324WC	1.30 U	SW70323WC	1.50		.	50.00
	11/06/92		.	SW70326WC	1.70	SW70325WC	1.30 U	50.00
	11/17/92		.	SW70329WC	2.20	SW70328WC	1.50	50.00
	12/03/92		.	SW70332WC	1.30 U	SW70331WC	1.30 U	50.00
	12/16/92		.	SW70337WC	2.50 U	SW70336WC	2.50 U	50.00
	01/06/93		.	SW70340WC	2.50 U	SW70339WC	2.50 U	50.00
	01/13/93	SW70344WC	3.00 U	SW70343WC	3.00 U	SW70342WC	3.00 U	50.00
	01/27/93	SW70347WC	2.60 U	SW70346WC	2.60 U	SW70345WC	2.60 U	2.60
	02/09/93	SW70350WC	3.00 U	SW70349WC	3.00 U	SW70348WC	3.60 B	10.00
COPPER:	05/08/91	SW01161WC	11.00 U V	SW01163WC	5.60 V	SW01182WC	6.70 V	25.00
	06/20/91	SW01264WC	3.00 U V	SW01266WC	3.00 U V	SW01285WC	3.00 U V	25.00
	07/22/91		.		.	SW01388WC	5.40 U V	5.40
	08/07/91	SW01473WC	4.60 V	SW01475WC	5.40 U V	SW01494WC	3.00 U V	25.00
	09/17/91	SW01579WC	5.10 U JA	SW01581WC	3.10 U JA	SW01600WC	3.60 U JA	2.10
	10/17/91		.	SW01687WC	2.50		.	2.10
	10/21/91	SW01685WC	7.40		.	SW01706WC	6.20	2.10
	01/27/92	SW01807WC	6.30 U JA	SW01809WC	2.50 U V	SW01805WC	2.50 U V	2.50
	04/06/92	SW70259WC	2.60 U JA	SW70260WC	2.30 U JA	SW70261WC	2.30 U V	25.00
	04/22/92	SW70266WC	2.30 U V	SW70267WC	2.30 U V	SW70268WC	2.30 U V	2.30
	04/23/92		.		.	SW01887WC	2.30 U V	2.30
	04/27/92	SW01889WC	2.30 U V	SW01891WC	2.30 U V		.	2.30
	05/06/92	SW70271WC	2.00 U V	SW70272WC	2.30 U V	SW70273WC	2.30 U V	25.00
	05/20/92	SW70285WC	2.30 U V	SW70286WC	2.30 U V	SW70287WC	2.60 U JA	2.30

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
COPPER:	06/04/92	SW70290WC	7.50 U JA	SW70291WC	2.00 U V	SW70292WC	4.60 U JA	25.00
	06/17/92	SW70293WC	4.10 U JA	SW70294WC	2.30 U V	SW70295WC	2.30 U V	2.30
	07/02/92	SW70296WC	6.10 U JA	SW70297WC	2.70 U V	SW70298WC	2.70 U V	25.00
	07/15/92		.	SW70300WC	2.70 U V	SW70301WC	2.70 U V	25.00
	07/29/92	SW70302WC	6.90 V	SW70303WC	2.40 U V	SW70304WC	2.40 U V	25.00
	08/13/92	SW70305WC	25.00 U	SW70306WC	2.10 U V	SW70307WC	2.10 U V	25.00
	08/20/92	SW02012WC	2.10 U V	SW02013WC	2.10 U V	SW02011WC	2.10 U V	2.10
	08/26/92	SW70310WC	2.80 U JA	SW70309WC	2.40 U V	SW70308WC	2.40 U V	25.00
	09/08/92	SW70314WC	1.90 U JA	SW70313WC	1.90 U JA	SW70312WC	1.90 U JA	25.00
	09/22/92	SW70315WC	1.90 U R	SW70316WC	1.90 U R	SW70317WC	1.90 U R	25.00
	10/07/92	SW70321WC	3.70 U JA	SW70320WC	4.60 U JA	SW70319WC	13.70 U JA	25.00
	10/21/92	SW70324WC	1.90 U	SW70323WC	4.40		.	25.00
	11/06/92		.	SW70326WC	1.90 U	SW70325WC	1.90 U	25.00
	11/17/92		.	SW70329WC	6.10	SW70328WC	5.70	25.00
	12/03/92		.	SW70332WC	1.90 U	SW70331WC	1.90 U	25.00
	12/16/92		.	SW70337WC	4.70	SW70336WC	4.70	25.00
	01/06/93		.	SW70340WC	2.90 U	SW70339WC	2.90 U	25.00
	01/13/93	SW70344WC	2.00 B	SW70343WC	16.20 B	SW70342WC	4.40 B	25.00
	01/27/93	SW70347WC	2.90 U	SW70346WC	3.80	SW70345WC	3.80	2.90
	02/09/93	SW70350WC	6.40 B	SW70349WC	2.00 U	SW70348WC	2.00 U	5.00
IRON:	05/08/91	SW01161WC	581.00 V	SW01163WC	108.00 U JA	SW01182WC	157.00 U JA	100.00
	06/20/91	SW01264WC	1400.00 V	SW01266WC	200.00 V	SW01285WC	170.00 V	100.00
	07/22/91		.		.	SW01388WC	313.00 V	6.90
	08/07/91	SW01473WC	780.00 V	SW01475WC	131.00 JA	SW01494WC	130.00 V	100.00
	09/17/91	SW01579WC	45.90 V	SW01581WC	134.00 V	SW01600WC	61.80 V	16.70
	10/17/91		.	SW01687WC	258.00 V		.	16.70
	10/21/91	SW01685WC	900.00 V		.	SW01706WC	154.00 V	16.70

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
IRON:	01/27/92	SW01807WC	2910.00 JA	SW01809WC	737.00 JA	SW01805WC	619.00 JA	22.60
	04/06/92	SW70259WC	221.00 E JA	SW70260WC	143.00 U JA	SW70261WC	77.10 U JA	100.00
	04/22/92	SW70266WC	1080.00 V	SW70267WC	113.00 U JA	SW70268WC	278.00 V	18.40
	04/23/92		.		.	SW01887WC	175.00 V	18.40
	04/27/92	SW01889WC	166.00 V	SW01891WC	126.00 U JA		.	18.40
	05/06/92	SW70271WC	684.00 V	SW70272WC	34.30 U JA	SW70273WC	315.00 V	100.00
	05/20/92	SW70285WC	689.00 V	SW70286WC	248.00 V	SW70287WC	364.00 V	18.40
	06/04/92	SW70290WC	873.00 V	SW70291WC	118.00 U JA	SW70292WC	247.00 V	100.00
	06/17/92	SW70293WC	503.00 V	SW70294WC	179.00 V	SW70295WC	264.00 V	18.40
	07/02/92	SW70296WC	390.00 U JA	SW70297WC	238.00 U JA	SW70298WC	269.00 U JA	100.00
	07/15/92		.	SW70300WC	297.00 U JA	SW70301WC	271.00 V	100.00
	07/29/92	SW70302WC	401.00 JA	SW70303WC	280.00 JA	SW70304WC	230.00 JA	100.00
	08/13/92	SW70305WC	100.00 U	SW70306WC	255.00 V	SW70307WC	251.00 V	100.00
	08/20/92	SW02012WC	11.80 U JA	SW02013WC	526.00 V	SW02011WC	222.00 V	5.20
	08/26/92	SW70310WC	23.60 V	SW70309WC	258.00 V	SW70308WC	165.00 V	100.00
	09/08/92	SW70314WC	281.00 E JA	SW70313WC	370.00 E JA	SW70312WC	183.00 E JA	100.00
	09/22/92	SW70315WC	87.40 U JA	SW70316WC	357.00 JA	SW70317WC	153.00 U JA	100.00
	10/07/92	SW70321WC	141.00 V	SW70320WC	855.00 V	SW70319WC	768.00 JA	100.00
	10/21/92	SW70324WC	191.00	SW70323WC	1310.00		.	100.00
	11/06/92		.	SW70326WC	944.00	SW70325WC	101.00	100.00
	11/17/92		.	SW70329WC	472.00	SW70328WC	123.00	100.00
	12/03/92		.	SW70332WC	343.00	SW70331WC	122.00	100.00
	12/16/92		.	SW70337WC	543.00	SW70336WC	240.00	100.00
	01/06/93		.	SW70340WC	253.00	SW70339WC	240.00	100.00
	01/13/93	SW70344WC	85.50 B*	SW70343WC	1100.00 *	SW70342WC	273.00 *	100.00
	01/27/93	SW70347WC	586.00	SW70346WC	859.00	SW70345WC	218.00	7.50
	02/09/93	SW70350WC	3770.00 *	SW70349WC	562.00 *	SW70348WC	130.00 *	20.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
LEAD:	05/08/91	SW01161WC	1.20 B V	SW01163WC	1.00 U V	SW01182WC	1.00 U V	3.00
	06/20/91	SW01264WC	3.10 JA	SW01266WC	3.00 JA	SW01285WC	2.30 U JA	3.00
	07/22/91		.		.	SW01388WC	8.40 V	1.30
	08/07/91	SW01473WC	2.80 I V	SW01475WC	1.50 JA	SW01494WC	2.50 V	3.00
	09/17/91	SW01579WC	0.90 U JA	SW01581WC	1.30 JA	SW01600WC	0.90 JA	0.90
	10/17/91		.	SW01687WC	5.80 V		.	0.90
	10/21/91	SW01685WC	5.70 V		.	SW01706WC	1.40 V	0.90
	01/27/92	SW01807WC	5.50 V	SW01809WC	2.20 JA	SW01805WC	9.80 V	1.40
	04/06/92	SW70259WC	1.00 U JA	SW70260WC	0.70 U V	SW70261WC	0.70 U V	3.00
	04/22/92	SW70266WC	4.20 V	SW70267WC	0.80 U V	SW70268WC	9.00 V	0.80
	04/23/92		.		.	SW01887WC	0.80 U V	0.80
	04/27/92	SW01889WC	0.80 U V	SW01891WC	0.80 U V		.	0.80
	05/06/92	SW70271WC	1.40 B V	SW70272WC	0.70 U V	SW70273WC	0.70 U JA	3.00
	05/20/92	SW70285WC	1.60 JA	SW70286WC	0.70 U JA	SW70287WC	0.90 JA	0.70
	06/04/92	SW70290WC	6.20 V	SW70291WC	1.00 U V	SW70292WC	1.90 B V	[illegible]
	06/17/92	SW70293WC	2.10 U JA	SW70294WC	1.60 U V	SW70295WC	2.50 U JA	[illegible]
	07/02/92	SW70296WC	1.90 B V	SW70297WC	2.60 B V	SW70298WC	2.80 B V	5.00
	07/15/92		.	SW70300WC	8.30 JA	SW70301WC	1.30 B JA	5.00
	07/29/92	SW70302WC	2.10 V	SW70303WC	2.00 JA	SW70304WC	2.10 W JA	3.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	0.90 U V	SW70307WC	0.90 U V	5.00
	08/20/92	SW02012WC	1.30 V	SW02013WC	1.00 V	SW02011WC	0.90 U V	0.90
	08/26/92	SW70310WC	5.60 V	SW70309WC	1.70 V		.	3.00
	09/08/92	SW70314WC	2.00 U V	SW70313WC	2.00 U V	SW70312WC	2.00 U V	3.00
	09/22/92	SW70315WC	2.80 W JA	SW70316WC	2.00 U JA	SW70317WC	2.20 JA	3.00
	10/07/92	SW70321WC	3.40 V	SW70320WC	3.70 V	SW70319WC	5.40 JA	3.00
	10/21/92	SW70324WC	2.10	SW70323WC	3.90		.	3.00
	11/06/92		.	SW70326WC	4.50	SW70325WC	2.00 I	3.00
	11/17/92		.	SW70329WC	4.20	SW70328WC	2.40	3.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
LEAD:	12/03/92		.	SW70332WC	3.30	SW70331WC	5.70 I	3.00
	12/16/92		.	SW70337WC	2.50	SW70336WC	1.50 I	3.00
	01/06/93		.	SW70340WC	1.20 U	SW70339WC	2.10	3.00
	01/13/93	SW70344WC	1.00 U	SW70343WC	1.00 UW	SW70342WC	1.00 U	3.00
	01/27/93	SW70347WC	0.90 U	SW70346WC	4.20	SW70345WC	0.90 U	0.90
	02/09/93	SW70350WC	3.50	SW70349WC	1.00 UW	SW70348WC	1.00 UW	0.60
LITHIUM:	05/08/91	SW01161WC	6.40 B V	SW01163WC	4.70 JA	SW01182WC	8.80 V	100.00
	06/20/91	SW01264WC	15.00 JA	SW01266WC	8.20 JA	SW01285WC	12.00 JA	100.00
	07/22/91		.		.	SW01388WC	5.40 U V	5.40
	08/07/91	SW01473WC	9.70 JA	SW01475WC	5.40 U V	SW01494WC	6.20 JA	100.00
	09/17/91	SW01579WC	12.50 U JA	SW01581WC	8.40 U JA	SW01600WC	10.90 U JA	7.10
	10/17/91		.	SW01687WC	7.10 U V		.	7.10
	10/21/91	SW01685WC	17.10 V		.	SW01706WC	9.70 V	7.10
	01/27/92	SW01807WC	20.20 V	SW01809WC	8.40 V	SW01805WC	9.80 V	4.00
	04/06/92	SW70259WC	18.20 B V	SW70260WC	7.10 U JA	SW70261WC	7.00 U JA	100.00
	04/22/92	SW70266WC	15.50 V	SW70267WC	6.60 U JA	SW70268WC	8.70 U JA	2.00
	04/23/92		.		.	SW01887WC	8.50 U JA	2.00
	04/27/92	SW01889WC	16.70 U JA	SW01891WC	6.70 U JA		.	2.00
	05/06/92	SW70271WC	18.90 B V	SW70272WC	8.20 U JA	SW70273WC	8.50 U JA	100.00
	05/20/92	SW70285WC	18.40 V	SW70286WC	10.60 U JA	SW70287WC	9.10 U JA	2.00
	06/04/92	SW70290WC	16.70 B V	SW70291WC	9.20 U JA	SW70292WC	9.20 U JA	100.00
	06/17/92	SW70293WC	16.90 U JA	SW70294WC	7.10 U JA	SW70295WC	6.70 U JA	2.00
	07/02/92	SW70296WC	35.00 U JA	SW70297WC	15.40 U JA	SW70298WC	14.70 U JA	100.00
	07/15/92		.	SW70300WC	8.80 U JA	SW70301WC	43.40 B JA	100.00
	07/29/92	SW70302WC	20.60 V	SW70303WC	10.50 V	SW70304WC	9.40 V	100.00
	08/13/92	SW70305WC	100.00 U	SW70306WC	7.20 V	SW70307WC	8.70 V	100.00
	08/20/92	SW02012WC	16.30 V	SW02013WC	8.60 V	SW02011WC	8.10 V	2.10

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Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
LITHIUM:	08/26/92	SW70310WC	10.10 V	SW70309WC	3.70 U V	SW70308WC	8.80 V	100.00
	09/08/92	SW70314WC	17.60 V	SW70313WC	8.80 V	SW70312WC	10.60 V	100.00
	09/22/92	SW70315WC	14.30 JA	SW70316WC	8.80 JA	SW70317WC	10.90 JA	100.00
	10/07/92	SW70321WC	17.80 V	SW70320WC	11.80 U JA	SW70319WC	10.60 U JA	100.00
	10/21/92	SW70324WC	16.60	SW70323WC	8.40		.	100.00
	11/06/92		.	SW70326WC	9.30	SW70325WC	9.00	100.00
	11/17/92		.	SW70329WC	11.60	SW70328WC	13.40	100.00
	12/03/92		.	SW70332WC	6.00	SW70331WC	10.60	100.00
	12/16/92		.	SW70337WC	11.60	SW70336WC	15.50	100.00
	01/06/93		.	SW70340WC	9.80	SW70339WC	17.60	100.00
	01/13/93	SW70344WC	14.70 B	SW70343WC	21.60 B	SW70342WC	12.40 B	100.00
	01/27/93	SW70347WC	15.80	SW70346WC	5.30	SW70345WC	15.20	3.40
	02/09/93	SW70350WC	20.20 B	SW70349WC	5.50 B	SW70348WC	10.40 B	20.00
MAGNESIUM:	05/08/91	SW01161WC	18300.00 V	SW01163WC	16300.00 V	SW01182WC	11900.00 V	5000.00
	06/20/91	SW01264WC	26000.00 V	SW01266WC	15000.00 V	SW01285WC	25000.00 V	5000.00
	07/22/91		.		.	SW01388WC	21300.00 V	57.00
	08/07/91	SW01473WC	12000.00 V	SW01475WC	12600.00 V	SW01494WC	17000.00 V	5000.00
	09/17/91	SW01579WC	28200.00 V	SW01581WC	14400.00 V	SW01600WC	17800.00 V	33.10
	10/17/91		.	SW01687WC	14200.00 V		.	33.10
	10/21/91	SW01685WC	28200.00 V		.	SW01706WC	21000.00 V	33.10
	01/27/92	SW01807WC	31400.00 V	SW01809WC	16500.00 V	SW01805WC	23400.00 V	42.50
	04/06/92	SW70259WC	32400.00 V	SW70260WC	14400.00 V	SW70261WC	16900.00 V	5000.00
	04/22/92	SW70266WC	30500.00 V	SW70267WC	14500.00 V	SW70268WC	21200.00 V	33.30
	04/23/92		.		.	SW01887WC	22000.00 V	33.30
	04/27/92	SW01889WC	29600.00 V	SW01891WC	14500.00 V		.	33.30
	05/06/92	SW70271WC	31900.00 V	SW70272WC	15600.00 V	SW70273WC	21400.00 V	5000.00
	05/20/92	SW70285WC	33000.00 V	SW70286WC	16100.00 V	SW70287WC	22900.00 V	33.30

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Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
MAGNESIUM:	06/04/92	SW70290WC	27700.00	V	SW70291WC	15500.00	V	SW70292WC	18800.00	V	5000.00
	06/17/92	SW70293WC	29000.00	V	SW70294WC	15200.00	V	SW70295WC	18700.00	V	33.30
	07/02/92	SW70296WC	36800.00	V	SW70297WC	16800.00	V	SW70298WC	19900.00	V	5000.00
	07/15/92		.		SW70300WC	16900.00	V	SW70301WC	19500.00	V	5000.00
	07/29/92	SW70302WC	34400.00	V	SW70303WC	16700.00	V	SW70304WC	17800.00	V	5000.00
	08/13/92	SW70305WC	33000.00		SW70306WC	16000.00	V	SW70307WC	18500.00	V	5000.00
	08/20/92	SW02012WC	28100.00	V	SW02013WC	12200.00	V	SW02011WC	19200.00	V	20.60
	08/26/92	SW70310WC	15000.00	V	SW70309WC	12600.00	V	SW70308WC	15600.00	V	5000.00
	09/08/92	SW70314WC	32800.00	V	SW70313WC	16300.00	V	SW70312WC	23500.00	V	5000.00
	09/22/92	SW70315WC	29600.00	JA	SW70316WC	15400.00	JA	SW70317WC	23900.00	JA	5000.00
	10/07/92	SW70321WC	29400.00	V	SW70320WC	14900.00	V	SW70319WC	15000.00	JA	5000.00
	10/21/92	SW70324WC	29500.00		SW70323WC	11400.00			.		5000.00
	11/06/92		.		SW70326WC	15900.00		SW70325WC	16200.00		5000.00
	11/17/92		.		SW70329WC	14500.00		SW70328WC	20600.00		5000.00
	12/03/92		.		SW70332WC	15500.00		SW70331WC	16000.00		5000.00
	12/16/92		.		SW70337WC	16700.00		SW70336WC	24800.00		5000.00
	01/06/93		.		SW70340WC	15500.00		SW70339WC	26100.00		5000.00
	01/13/93	SW70344WC	27100.00		SW70343WC	19500.00		SW70342WC	17300.00		5000.00
	01/27/93	SW70347WC	27400.00		SW70346WC	14100.00		SW70345WC	25600.00		38.90
	02/09/93	SW70350WC	30000.00		SW70349WC	12100.00		SW70348WC	24400.00		1000.00
MANGANESE:	05/08/91	SW01161WC	7.20	B V	SW01163WC	43.90	V	SW01182WC	18.20	V	15.00
	06/20/91	SW01264WC	14.00	V	SW01266WC	27.00	V	SW01285WC	9.40	V	15.00
	07/22/91		.			.		SW01388WC	143.00	V	2.50
	08/07/91	SW01473WC	13.00	V	SW01475WC	29.50	V	SW01494WC	15.00	V	15.00
	09/17/91	SW01579WC	6.90	U JA	SW01581WC	24.40	U JA	SW01600WC	4.40	U JA	1.30
	10/17/91		.		SW01687WC	47.00	V		.		1.30
	10/21/91	SW01685WC	9.10	V		.		SW01706WC	3.50	V	1.30

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(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MANGANESE:	01/27/92	SW01807WC	22.20 V	SW01809WC	90.70 V	SW01805WC	58.70 V	1.60
	04/06/92	SW70259WC	5.00 B V	SW70260WC	52.10 JA	SW70261WC	5.40 U JA	15.00
	04/22/92	SW70266WC	8.50 U JA	SW70267WC	53.50 V	SW70268WC	25.70 V	1.50
	04/23/92		.		.	SW01887WC	26.50 V	1.50
	04/27/92	SW01889WC	1.50 U V	SW01891WC	58.40 V		.	1.50
	05/06/92	SW70271WC	14.90 B V	SW70272WC	3.20 U JA	SW70273WC	35.40 V	15.00
	05/20/92	SW70285WC	8.90 U JA	SW70286WC	62.10 V	SW70287WC	38.50 V	1.50
	06/04/92	SW70290WC	36.30 V	SW70291WC	35.90 V	SW70292WC	25.10 V	15.00
	06/17/92	SW70293WC	10.40 U JA	SW70294WC	47.20 V	SW70295WC	22.60 V	1.50
	07/02/92	SW70296WC	22.10 V	SW70297WC	58.40 V	SW70298WC	22.90 V	15.00
	07/15/92		.	SW70300WC	65.00 V	SW70301WC	27.40 V	15.00
	07/29/92	SW70302WC	78.80 E JA	SW70303WC	98.00 E JA	SW70304WC	47.70 E JA	15.00
	08/13/92	SW70305WC	29.60	SW70306WC	65.90 V	SW70307WC	24.50 V	15.00
	08/20/92	SW02012WC	23.10 V	SW02013WC	250.00 V	SW02011WC	24.60 V	1.40
	08/26/92	SW70310WC	2.30 V	SW70309WC	60.90 V	SW70308WC	26.90 V	15.00
	09/08/92	SW70314WC	20.10 V	SW70313WC	70.20 V	SW70312WC	18.70 V	15.00
	09/22/92	SW70315WC	36.10 JA	SW70316WC	75.80 JA	SW70317WC	18.50 JA	15.00
	10/07/92	SW70321WC	42.40 V	SW70320WC	119.00 V	SW70319WC	44.00 JA	15.00
	10/21/92	SW70324WC	27.80	SW70323WC	84.70		.	15.00
	11/06/92		.	SW70326WC	85.30	SW70325WC	6.90	15.00
	11/17/92		.	SW70329WC	88.30	SW70328WC	41.10	15.00
	12/03/92		.	SW70332WC	67.60	SW70331WC	81.50	15.00
	12/16/92		.	SW70337WC	50.30	SW70336WC	158.00	15.00
	01/06/93		.	SW70340WC	40.30	SW70339WC	150.00	15.00
	01/13/93	SW70344WC	3.60 B	SW70343WC	283.00	SW70342WC	26.80	15.00
	01/27/93	SW70347WC	18.70	SW70346WC	59.60	SW70345WC	251.00	2.40
	02/09/93	SW70350WC	53.80	SW70349WC	61.10	SW70348WC	140.00	3.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MERCURY:	05/08/91	SW01161WC	0.20 U V	SW01163WC	0.20 U JA	SW01182WC	0.20 U JA	0.20
	06/20/91	SW01264WC	0.20 U V	SW01266WC	0.20 U V	SW01285WC	0.20 U V	0.20
	07/22/91		.		.	SW01388WC	0.24 V	0.20
	08/07/91	SW01473WC	0.53 JA	SW01475WC	0.20 U V	SW01494WC	0.20 U JA	0.20
	09/17/91	SW01579WC	0.20 U V	SW01581WC	0.20 U V	SW01600WC	0.20 U V	0.20
	10/17/91		.	SW01687WC	0.20 U V		.	0.20
	10/21/91	SW01685WC	0.20 U V		.	SW01706WC	0.20 U V	0.20
	01/27/92	SW01807WC	0.25 V	SW01809WC	0.20 U V	SW01805WC	0.20 U V	0.20
	04/06/92	SW70259WC	0.20 U V	SW70260WC	0.20 U V	SW70261WC	0.20 U V	0.20
	04/22/92	SW70266WC	0.20 U V	SW70267WC	0.20 U V	SW70268WC	0.20 U V	0.20
	04/23/92		.		.	SW01887WC	0.20 U V	0.20
	04/27/92	SW01889WC	0.20 U V	SW01891WC	0.20 U V		.	0.20
	05/06/92	SW70271WC	0.20 U V	SW70272WC	0.20 U V	SW70273WC	0.20 U V	0.20
	05/20/92	SW70285WC	0.20 U V	SW70286WC	0.20 U V	SW70287WC	0.20 U V	0.20
	06/04/92	SW70290WC	0.20 U V	SW70291WC	0.20 U V	SW70292WC	0.20 U V	0.20
	06/17/92	SW70293WC	0.26 V	SW70294WC	0.20 U V	SW70295WC	0.23 V	0.20
	07/02/92	SW70296WC	0.10 U V	SW70297WC	0.10 U V	SW70298WC	0.10 U V	0.20
	07/15/92		.	SW70300WC	0.10 U V	SW70301WC	0.10 U V	0.20
	07/29/92	SW70302WC	0.20 U V	SW70303WC	0.20 U V	SW70304WC	0.30 V	0.20
	08/13/92	SW70305WC	0.20 U	SW70306WC	0.20 U V	SW70307WC	0.20 U V	0.20
	08/20/92	SW02012WC	0.20 U V	SW02013WC	0.20 U V	SW02011WC	0.20 U V	0.20
	08/26/92	SW70310WC	0.20 JA	SW70309WC	0.20 JA	SW70308WC	0.20 JA	0.20
	09/08/92	SW70314WC	0.20 U V	SW70313WC	0.20 U V	SW70312WC	0.20 U V	0.20
	09/22/92	SW70315WC	0.20 JA	SW70316WC	0.10 U JA	SW70317WC	0.10 U JA	0.20
	10/07/92	SW70321WC	0.10 U V	SW70320WC	0.10 U V	SW70319WC	0.10 U JA	0.20
	10/21/92	SW70324WC	0.10 U	SW70323WC	0.10 U		.	0.20
	11/06/92		.	SW70326WC	0.20	SW70325WC	0.40	0.20
	11/17/92		.	SW70329WC	0.10 U	SW70328WC	0.10 U	0.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MERCURY:	12/03/92		.	SW70332WC	0.10 U	SW70331WC	0.10 U	0.20
	12/16/92		.	SW70337WC	0.10 U	SW70336WC	0.10	0.20
	01/06/93		.	SW70340WC	0.13	SW70339WC	0.26	0.20
	01/13/93	SW70344WC	0.20 U	SW70343WC	0.20 U	SW70342WC	0.20 U	0.20
	01/27/93	SW70347WC	0.20 U	SW70346WC	0.20 U	SW70345WC	0.20 U	0.20
	02/09/93	SW70350WC	0.20 U	SW70349WC	0.20 U	SW70348WC	0.20 U	0.10
MOLYBDENUM:	05/08/91	SW01161WC	2.00 U V	SW01163WC	5.70 U V	SW01182WC	5.70 U V	200.00
	06/20/91	SW01264WC	3.00 U V	SW01266WC	3.00 U JA	SW01285WC	3.90 U JA	50.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	3.00 U JA	SW01475WC	10.00 U V	SW01494WC	3.00 U JA	50.00
	09/17/91	SW01579WC	6.00 V	SW01581WC	5.80 U V	SW01600WC	5.90 V	5.80
	10/17/91		.	SW01687WC	5.80 U V		.	5.80
	10/21/91	SW01685WC	5.80 U V		.	SW01706WC	5.80 U V	5.80
	01/27/92	SW01807WC	6.50 U V	SW01809WC	6.50 U V	SW01805WC	6.50 U V	6.50
	04/06/92	SW70259WC	3.00 U V	SW70260WC	3.80 U JA	SW70261WC	5.00 U JA	200.00
	04/22/92	SW70266WC	3.50 U JA	SW70267WC	3.50 U JA	SW70268WC	3.50 U JA	3.50
	04/23/92		.		.	SW01887WC	3.50 U V	3.50
	04/27/92	SW01889WC	3.50 U V	SW01891WC	3.50 U V		.	3.50
	05/06/92	SW70271WC	3.00 U JA	SW70272WC	3.50 U V	SW70273WC	3.50 U V	200.00
	05/20/92	SW70285WC	3.50 U V	SW70286WC	3.50 U V	SW70287WC	3.60 U JA	3.50
	06/04/92	SW70290WC	3.00 U V	SW70291WC	3.00 U V	SW70292WC	3.00 U V	200.00
	06/17/92	SW70293WC	3.50 U V	SW70294WC	3.50 U V	SW70295WC	3.50 U V	3.50
	07/02/92	SW70296WC	17.10 U V	SW70297WC	17.10 U V	SW70298WC	17.10 U V	200.00
	07/15/92		.	SW70300WC	17.10 U V	SW70301WC	17.10 U V	200.00
	07/29/92	SW70302WC	2.70 U V	SW70303WC	2.70 U V	SW70304WC	2.70 U JA	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	7.20 U V	SW70307WC	7.20 U JA	200.00
	08/20/92	SW02012WC	7.20 U JA	SW02013WC	7.20 U V	SW02011WC	7.20 U V	7.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
MOLYBDENUM:	08/26/92	SW70310WC	2.70 U JA	SW70309WC	2.70 U V	SW70308WC	2.70 U V	200.00
	09/08/92	SW70314WC	1.70 U JA	SW70313WC	1.70 U V	SW70312WC	4.90 U JA	200.00
	09/22/92	SW70315WC	1.70 U JA	SW70316WC	1.70 U JA	SW70317WC	2.10 U JA	200.00
	10/07/92	SW70321WC	1.70 U V	SW70320WC	1.70 U V	SW70319WC	3.30 U JA	200.00
	10/21/92	SW70324WC	1.70 U	SW70323WC	5.30		.	200.00
	11/06/92		.	SW70326WC	1.80	SW70325WC	6.00	200.00
	11/17/92		.	SW70329WC	2.30	SW70328WC	1.70 U	200.00
	12/03/92		.	SW70332WC	1.90	SW70331WC	1.70 U	200.00
	12/16/92		.	SW70337WC	3.40 U	SW70336WC	4.80	200.00
	01/06/93		.	SW70340WC	3.40 U	SW70339WC	4.70	200.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	6.40 B	200.00
	01/27/93	SW70347WC	6.50 U	SW70346WC	6.50 U	SW70345WC	6.50 U	6.50
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	40.00
NICKEL:	05/08/91	SW01161WC	3.00 U V	SW01163WC	14.70 U V	SW01182WC	14.70 U V	40.00
	06/20/91	SW01264WC	4.00 U V	SW01266WC	4.00 U V	SW01285WC	4.00 U V	40.00
	07/22/91		.		.	SW01388WC	10.70 U V	10.70
	08/07/91	SW01473WC	4.00 U R	SW01475WC	10.70 U V	SW01494WC	4.00 U R	40.00
	09/17/91	SW01579WC	5.90 U V	SW01581WC	5.90 U V	SW01600WC	5.90 U V	5.90
	10/17/91		.	SW01687WC	5.90 U V		.	5.90
	10/21/91	SW01685WC	5.90 U V		.	SW01706WC	5.90 U V	5.90
	01/27/92	SW01807WC	9.90 U V	SW01809WC	9.90 U V	SW01805WC	9.90 U V	9.90
	04/06/92	SW70259WC	3.00 U JA	SW70260WC	11.20 U V	SW70261WC	11.20 U V	40.00
	04/22/92	SW70266WC	11.20 U V	SW70267WC	11.20 U V	SW70268WC	11.20 U V	11.20
	04/23/92		.		.	SW01887WC	11.20 U V	11.20
	04/27/92	SW01889WC	11.20 U V	SW01891WC	11.20 U V		.	11.20
	05/06/92	SW70271WC	5.20 U JA	SW70272WC	11.20 U V	SW70273WC	11.20 U V	40.00
	05/20/92	SW70285WC	11.20 U V	SW70286WC	11.20 U V	SW70287WC	11.20 U V	11.20

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
NICKEL:	06/04/92	SW70290WC	3.70 B V	SW70291WC	3.00 U V	SW70292WC	3.00 U V	40.00
	06/17/92	SW70293WC	11.20 U V	SW70294WC	11.20 U V	SW70295WC	11.20 U V	11.20
	07/02/92	SW70296WC	33.20 U V	SW70297WC	33.20 U V	SW70298WC	33.20 U V	40.00
	07/15/92		.	SW70300WC	33.20 U V	SW70301WC	33.20 U V	40.00
	07/29/92	SW70302WC	6.00 U V	SW70303WC	6.00 U V	SW70304WC	6.00 U V	40.00
	08/13/92	SW70305WC	40.00 U	SW70306WC	9.90 U V	SW70307WC	9.90 U V	40.00
	08/20/92	SW02012WC	9.90 U V	SW02013WC	9.90 U V	SW02011WC	9.90 U JA	9.90
	08/26/92	SW70310WC	6.00 U V	SW70309WC	6.00 U V	SW70308WC	6.00 U V	40.00
	09/08/92	SW70314WC	36.50 V	SW70313WC	2.60 U V	SW70312WC	2.60 U V	40.00
	09/22/92	SW70315WC	2.60 U JA	SW70316WC	2.60 U JA	SW70317WC	2.60 U JA	40.00
	10/07/92	SW70321WC	2.60 U V	SW70320WC	2.60 U V	SW70319WC	3.30 U JA	40.00
	10/21/92	SW70324WC	2.60 U	SW70323WC	2.60 U		.	40.00
	11/06/92		.	SW70326WC	2.60 U	SW70325WC	2.60 U	40.00
	11/17/92		.	SW70329WC	2.70	SW70328WC	2.60 U	40.00
	12/03/92		.	SW70332WC	2.60 U	SW70331WC	2.60 U	40.00
	12/16/92		.	SW70337WC	3.00 U	SW70336WC	3.00 U	40.00
	01/06/93		.	SW70340WC	3.00 U	SW70339WC	3.00 U	40.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	40.00
	01/27/93	SW70347WC	11.00 U	SW70346WC	11.00 U	SW70345WC	11.00 U	11.00
	02/09/93	SW70350WC	5.60 B	SW70349WC	5.00 U	SW70348WC	5.80 B	8.00
POTASSIUM:	05/08/91	SW01161WC	2470.00 B V	SW01163WC	2050.00 U V	SW01182WC	3050.00 V	5000.00
	06/20/91	SW01264WC	1600.00 V	SW01266WC	1400.00 V	SW01285WC	2800.00 V	5000.00
	07/22/91		.		.	SW01388WC	2060.00 U JA	1070.00
	08/07/91	SW01473WC	1100.00 V	SW01475WC	2760.00	SW01494WC	2600.00 V	5000.00
	09/17/91	SW01579WC	1660.00 V	SW01581WC	1290.00 V	SW01600WC	2050.00 V	675.00
	10/17/91		.	SW01687WC	1230.00 V		.	675.00
	10/21/91	SW01685WC	1200.00 V		.	SW01706WC	2360.00 V	675.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
POTASSIUM:	01/27/92	SW01807WC	1980.00 V	SW01809WC	1980.00 V	SW01805WC	4800.00 V	726.00
	04/06/92	SW70259WC	1230.00 B V	SW70260WC	1790.00 U JA	SW70261WC	2660.00 U JA	5000.00
	04/22/92	SW70266WC	1370.00 V	SW70267WC	1090.00 V	SW70268WC	2440.00 V	674.00
	04/23/92		.		.	SW01887WC	2320.00 U JA	674.00
	04/27/92	SW01889WC	996.00 U JA	SW01891WC	965.00 U JA		.	674.00
	05/06/92	SW70271WC	1300.00 B V	SW70272WC	1360.00 U JA	SW70273WC	1900.00 U JA	5000.00
	05/20/92	SW70285WC	1150.00 U JA	SW70286WC	1420.00 U JA	SW70287WC	2980.00 U JA	674.00
	06/04/92	SW70290WC	1750.00 B V	SW70291WC	1830.00 B V	SW70292WC	2470.00 B V	5000.00
	06/17/92	SW70293WC	2520.00 U JA	SW70294WC	2230.00 U JA	SW70295WC	1880.00 U JA	674.00
	07/02/92	SW70296WC	3060.00 U V	SW70297WC	3060.00 U V	SW70298WC	3060.00 U V	5000.00
	07/15/92		.	SW70300WC	3060.00 U V	SW70301WC	3060.00 U JA	5000.00
	07/29/92	SW70302WC	1260.00 V	SW70303WC	1290.00 V	SW70304WC	2360.00 V	5000.00
	08/13/92	SW70305WC	5000.00 U	SW70306WC	1640.00 V	SW70307WC	2520.00 V	5000.00
	08/20/92	SW02012WC	1550.00 V	SW02013WC	4630.00 V	SW02011WC	2850.00 V	1030.00
	08/26/92	SW70310WC	720.00 V	SW70309WC	1860.00 V	SW70308WC	2680.00 V	5000.00
	09/08/92	SW70314WC	920.00 V	SW70313WC	1230.00 V	SW70312WC	2580.00 V	5000.00
	09/22/92	SW70315WC	969.00 JA	SW70316WC	1370.00 JA	SW70317WC	2230.00 JA	5000.00
	10/07/92	SW70321WC	976.00 V	SW70320WC	3010.00 V	SW70319WC	2670.00 JA	5000.00
	10/21/92	SW70324WC	1020.00	SW70323WC	3090.00		.	5000.00
	11/06/92		.	SW70326WC	1810.00	SW70325WC	5450.00	5000.00
	11/17/92		.	SW70329WC	1380.00	SW70328WC	2500.00	5000.00
	12/03/92		.	SW70332WC	1910.00	SW70331WC	5890.00	5000.00
	12/16/92		.	SW70337WC	1850.00	SW70336WC	20800.00	5000.00
	01/06/93		.	SW70340WC	1410.00	SW70339WC	3450.00	5000.00
	01/13/93	SW70344WC	917.00 B	SW70343WC	1820.00 B	SW70342WC	4190.00 B	5000.00
	01/27/93	SW70347WC	1760.00	SW70346WC	2070.00	SW70345WC	3330.00	779.00
	02/09/93	SW70350WC	1790.00 B	SW70349WC	3270.00 B	SW70348WC	4060.00 B	1000.00

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Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SELENIUM:	05/08/91	SW01161WC	1.00 B JA	SW01163WC	1.10 U V	SW01182WC	1.70 V	5.00
	06/20/91	SW01264WC	4.00 U V	SW01266WC	4.00 U V	SW01285WC	4.60 V	5.00
	07/22/91		.		.	SW01388WC	2.40 JA	1.20
	08/07/91	SW01473WC	4.00 UIJA	SW01475WC	1.20 U V	SW01494WC	4.00 UIJA	5.00
	09/17/91	SW01579WC	1.20 U V	SW01581WC	1.20 U V	SW01600WC	1.20 U V	1.20
	10/17/91		.	SW01687WC	1.50 U V		.	1.50
	10/21/91	SW01685WC	1.50 U V		.	SW01706WC	4.00 V	1.50
	01/27/92	SW01807WC	1.00 U V	SW01809WC	1.00 U V	SW01805WC	3.30 JA	1.00
	04/06/92	SW70259WC	1.00 U V	SW70260WC	1.30 U JA	SW70261WC	1.30 U JA	5.00
	04/22/92	SW70266WC	0.80 U V	SW70267WC	0.80 U V	SW70268WC	4.60 U JA	0.80
	04/23/92		.		.	SW01887WC	3.50 JA	0.70
	04/27/92	SW01889WC	0.70 U JA	SW01891WC	0.70 U JA		.	0.70
	05/06/92	SW70271WC	1.00 U V	SW70272WC	1.80 U JA	SW70273WC	4.00 U JA	5.00
	05/20/92	SW70285WC	1.90 U JA	SW70286WC	1.40 U JA	SW70287WC	3.90 U JA	0.80
	06/04/92	SW70290WC	1.00 U V	SW70291WC	1.00 U V	SW70292WC	2.30 BWJA	5.00
	06/17/92	SW70293WC	1.50 U JA	SW70294WC	1.30 U JA	SW70295WC	3.10 U JA	0.80
	07/02/92	SW70296WC	1.00 U JA	SW70297WC	1.00 U V	SW70298WC	2.30 U JA	5.00
	07/15/92		.	SW70300WC	1.50 B V	SW70301WC	2.70 B JA	5.00
	07/29/92	SW70302WC	3.60 U JA	SW70303WC	3.60 UWJA	SW70304WC	3.60 UWJA	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	1.40 U V	SW70307WC	2.70 JA	5.00
	08/20/92	SW02012WC	1.40 U JA	SW02013WC	1.40 U JA	SW02011WC	4.20 JA	1.40
	08/26/92	SW70310WC	2.90 U JA	SW70309WC	3.40 W JA	SW70308WC	3.90 JA	5.00
	09/08/92	SW70314WC	3.90 U V	SW70313WC	3.90 UWV	SW70312WC	7.20 V	5.00
	09/22/92	SW70315WC	2.90 U JA	SW70316WC	2.90 U JA	SW70317WC	5.20 JA	[illegible].00
	10/07/92	SW70321WC	3.90 U JA	SW70320WC	3.90 U JA	SW70319WC	4.80 JA	5.00
	10/21/92	SW70324WC	3.10	SW70323WC	2.90 U		.	5.00
	11/06/92		.	SW70326WC	2.90 U	SW70325WC	2.90 UI	5.00
	11/17/92		.	SW70329WC	2.90 UI	SW70328WC	3.20 I	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SELENIUM:	12/03/92		.	SW70332WC	3.10 UI	SW70331WC	8.80	5.00
	12/16/92		.	SW70337WC	3.30 UI	SW70336WC	3.30 U	5.00
	01/06/93		.	SW70340WC	3.10 U	SW70339WC	8.50	5.00
	01/13/93	SW70344WC	1.10 B	SW70343WC	3.00 B	SW70342WC	3.50 B	5.00
	01/27/93	SW70347WC	1.30 U	SW70346WC	1.30 U	SW70345WC	7.50	1.30
	02/09/93	SW70350WC	1.00 U	SW70349WC	1.00 U	SW70348WC	1.90 B	1.00
SILICON:	05/08/91		.	SW01163WC	4270.00 V	SW01182WC	2920.00 V	25.70
	06/20/91	SW01264WC	7320.00 V	SW01266WC	5140.00 V	SW01285WC	4240.00 V	10.50
	07/12/91		.	SW01369WC	4470.00 JA		.	10.50
	07/22/91		.		.	SW01388WC	10400.00 V	20.80
	08/07/91	SW01473WC	4860.00	SW01475WC	4740.00 V	SW01494WC	4740.00	10.50
	09/17/91	SW01579WC	6680.00 V	SW01581WC	5010.00 V	SW01600WC	5540.00 V	21.00
	10/17/91		.	SW01687WC	5540.00 V		.	21.00
	10/21/91	SW01685WC	9630.00 V		.	SW01706WC	4890.00 V	21.00
	01/27/92	SW01807WC	13000.00 V	SW01809WC	6840.00 V	SW01805WC	5230.00 V	37.30
	04/06/92	SW70259WC	6290.00 V	SW70260WC	4990.00 JA	SW70261WC	4830.00 JA	100.00
	04/22/92	SW70266WC	8340.00 V	SW70267WC	5230.00 V	SW70268WC	4330.00 V	27.70
	04/23/92		.		.	SW01887WC	4080.00 V	27.70
	04/27/92	SW01889WC	6020.00 V	SW01891WC	4690.00 V		.	27.70
	05/06/92	SW70271WC	7960.00 V	SW70272WC	5760.00 JA	SW70273WC	4630.00 JA	100.00
	05/20/92	SW70285WC	7830.00 JA	SW70286WC	5390.00 JA	SW70287WC	5210.00 JA	27.70
	06/04/92	SW70290WC	7170.00 V	SW70291WC	5180.00 V	SW70292WC	4490.00 V	100.00
	06/17/92	SW70293WC	7420.00 V	SW70294WC	5620.00 V	SW70295WC	4540.00 V	27.70
	07/02/92	SW70296WC	8280.00 V	SW70297WC	6060.00 V	SW70298WC	5390.00 V	100.00
	07/15/92		.	SW70300WC	5540.00 JA	SW70301WC	5230.00 JA	100.00
	07/29/92	SW70302WC	7220.00 JA	SW70303WC	6070.00 JA	SW70304WC	5460.00 JA	100.00
	08/13/92	SW70305WC	5740.00	SW70306WC	5410.00 V	SW70307WC	5640.00 V	100.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SILICON:	08/20/92	SW02012WC	6160.00 V	SW02013WC	5240.00 V	SW02011WC	5150.00 V	21.60
	08/26/92	SW70310WC	4750.00 JA	SW70309WC	5260.00 JA	SW70308WC	5690.00 JA	100.00
	09/08/92	SW70314WC	7210.00 JA	SW70313WC	6430.00 JA	SW70312WC	6260.00 JA	100.00
	09/22/92	SW70315WC	6500.00 JA	SW70316WC	5930.00 JA	SW70317WC	5570.00 JA	100.00
	10/07/92	SW70321WC	6570.00 JA	SW70320WC	5790.00 JA	SW70319WC	4100.00 JA	100.00
	10/21/92	SW70324WC	6610.00	SW70323WC	5130.00		.	100.00
	11/06/92		.	SW70326WC	5770.00	SW70325WC	3190.00	100.00
	11/17/92		.	SW70329WC	5220.00	SW70328WC	5650.00	100.00
	12/03/92		.	SW70332WC	5180.00	SW70331WC	4060.00	100.00
	12/16/92		.	SW70337WC	5270.00	SW70336WC	3790.00	100.00
	01/06/93		.	SW70340WC	6200.00	SW70339WC	6350.00	100.00
	01/13/93	SW70344WC	5230.00	SW70343WC	5660.00	SW70342WC	3960.00	100.00
	01/27/93	SW70347WC	7470.00	SW70346WC	5800.00	SW70345WC	4560.00	7.30
	02/09/93	SW70350WC	13600.00	SW70349WC	4590.00	SW70348WC	5710.00	100.00
SILVER:	05/08/91	SW01161WC	2.00 U V	SW01163WC	5.00 U JA	SW01182WC	5.00 U JA	10.00
	06/20/91	SW01264WC	2.00 U V	SW01266WC	2.00 U V	SW01285WC	2.00 U V	10.00
	07/22/91		.		.	SW01388WC	6.80 U JA	6.80
	08/07/91	SW01473WC	2.00 U V	SW01475WC	6.80 U V	SW01494WC	2.00 U V	10.00
	09/17/91	SW01579WC	2.90 U V	SW01581WC	2.90 U V	SW01600WC	2.90 U V	2.90
	10/17/91		.	SW01687WC	2.90 U V		.	2.90
	10/21/91	SW01685WC	2.90 U V		.	SW01706WC	2.90 U V	2.90
	01/27/92	SW01807WC	2.50 U JA	SW01809WC	2.50 U JA	SW01805WC	2.50 U JA	2.50
	04/06/92	SW70259WC	2.00 U V	SW70260WC	2.10 U V	SW70261WC	2.10 U V	10.00
	04/22/92	SW70266WC	2.10 U V	SW70267WC	2.10 U V	SW70268WC	2.10 U V	2.10
	04/23/92		.		.	SW01887WC	2.10 U JA	2.10
	04/27/92	SW01889WC	2.10 U JA	SW01891WC	2.10 U JA		.	2.10
	05/06/92	SW70271WC	2.00 U R	SW70272WC	2.10 U V	SW70273WC	2.10 U V	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
SILVER:	05/20/92	SW70285WC	2.10 U V	SW70286WC	8.30 U JA	SW70287WC	2.10 U V	2.10
	06/04/92	SW70290WC	2.00 U V	SW70291WC	2.00 U V	SW70292WC	2.00 U V	10.00
	06/17/92	SW70293WC	2.10 U V	SW70294WC	2.10 U V	SW70295WC	2.10 U V	2.10
	07/02/92	SW70296WC	4.00 U V	SW70297WC	4.00 U V	SW70298WC	4.00 U V	10.00
	07/15/92		.	SW70300WC	4.00 U V	SW70301WC	4.00 U V	10.00
	07/29/92	SW70302WC	2.30 U V	SW70303WC	2.30 U V	SW70304WC	2.30 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	2.00 U V	SW70307WC	2.00 U V	10.00
	08/20/92	SW02012WC	2.00 U V	SW02013WC	2.00 U JA	SW02011WC	2.00 U V	2.00
	08/26/92	SW70310WC	2.30 U V	SW70309WC	2.30 U V	SW70308WC	2.30 U V	10.00
	09/08/92	SW70314WC	3.60 U V	SW70313WC	3.60 U V	SW70312WC	3.60 U V	10.00
	09/22/92	SW70315WC	3.60 U JA	SW70316WC	3.60 U JA	SW70317WC	3.60 U JA	10.00
	10/07/92	SW70321WC	3.60 U V	SW70320WC	3.60 U V	SW70319WC	3.60 U JA	10.00
	10/21/92	SW70324WC	3.60 U	SW70323WC	5.40		.	10.00
	11/06/92		.	SW70326WC	3.60 U	SW70325WC	3.60 U	10.00
	11/17/92		.	SW70329WC	3.60 U	SW70328WC	3.60 U	10.00
	12/03/92		.	SW70332WC	3.60 U	SW70331WC	3.60 U	10.00
	12/16/92		.	SW70337WC	3.90 U	SW70336WC	3.90 U	10.00
	01/06/93		.	SW70340WC	3.90 U	SW70339WC	3.90 U	10.00
	01/13/93	SW70344WC	3.00 U	SW70343WC	3.00 U	SW70342WC	3.00 U	10.00
	01/27/93	SW70347WC	3.60 U	SW70346WC	3.60 U	SW70345WC	3.60 U	3.60
	02/09/93	SW70350WC	3.00 U	SW70349WC	3.00 U	SW70348WC	3.00 U	2.00
SODIUM:	05/08/91	SW01161WC	38900.00 V	SW01163WC	42000.00 V	SW01182WC	32600.00 V	5000.00
	06/20/91	SW01264WC	36000.00 V	SW01266WC	33000.00 V	SW01285WC	63000.00 V	5000.00
	07/22/91		.		.	SW01388WC	17400.00 V	47.80
	08/07/91	SW01473WC	19000.00 V	SW01475WC	30200.00 JA	SW01494WC	42000.00 V	5000.00
	09/17/91	SW01579WC	39800.00 V	SW01581WC	31700.00 V	SW01600WC	39700.00 V	172.00
	10/17/91		.	SW01687WC	31000.00 V		.	172.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
SODIUM:	10/21/91	SW01685WC	37600.00	V		.		SW01706WC	51900.00	V	172.00
	01/27/92	SW01807WC	44000.00	V	SW01809WC	42500.00	V	SW01805WC	81100.00	V	58.80
	04/06/92	SW70259WC	40700.00	V	SW70260WC	33800.00	V	SW70261WC	40100.00	V	5000.00
	04/22/92	SW70266WC	38100.00	V	SW70267WC	31200.00	V	SW70268WC	51000.00	V	34.40
	04/23/92		.			.		SW01887WC	53800.00	V	34.40
	04/27/92	SW01889WC	36400.00	V	SW01891WC	30200.00	V		.		34.40
	05/06/92	[illegible]71WC	40600.00	V	SW70272WC	31400.00	V	SW70273WC	52800.00	V	5000.00
	05/20/92	[illegible]85WC	40100.00	V	SW70286WC	33300.00	V	SW70287WC	54800.00	V	34.40
	06/04/92	SW70290WC	34700.00	V	SW70291WC	36100.00	V	SW70292WC	47800.00	V	5000.00
	06/17/92	SW70293WC	33300.00	V	SW70294WC	31300.00	V	SW70295WC	43400.00	V	34.40
	07/02/92	SW70296WC	42500.00	V	SW70297WC	35700.00	V	SW70298WC	47400.00	V	5000.00
	07/15/92		.		SW70300WC	35500.00	V	SW70301WC	47800.00	V	5000.00
	07/29/92	SW70302WC	40900.00	V	SW70303WC	37300.00	V	SW70304WC	44800.00	V	5000.00
	08/13/92	SW70305WC	39100.00		SW70306WC	38300.00	V	SW70307WC	53700.00	V	5000.00
	08/20/92	SW02012WC	36900.00	V	SW02013WC	30800.00	V	SW02011WC	51500.00	V	38.80
	08/26/92	SW70310WC	21800.00	V	SW70309WC	30800.00	V	SW70308WC	44900.00	V	5000.00
	09/08/92	SW70314WC	40300.00	V	SW70313WC	34000.00	V	SW70312WC	64600.00	V	5000.00
	09/22/92	SW70315WC	35700.00	JA	SW70316WC	30200.00	JA	SW70317WC	55900.00	JA	5000.00
	10/07/92	SW70321WC	35500.00	V	SW70320WC	31000.00	V	SW70319WC	34200.00	JA	5000.00
	10/21/92	SW70324WC	36300.00		SW70323WC	27300.00			.		5000.00
	11/06/92		.		SW70326WC	35700.00		SW70325WC	50400.00		5000.00
	11/17/92		.		SW70329WC	31700.00		SW70328WC	45900.00		5000.00
	12/03/92		.		SW70332WC	43300.00		SW70331WC	82000.00		5000.00
	12/16/92		.		SW70337WC	45100.00		SW70336WC	193000.00		5000.00
	01/06/93		.		SW70340WC	33100.00		SW70339WC	77800.00		5000.00
	01/13/93	SW70344WC	38900.00		SW70343WC	38300.00		SW70342WC	71800.00		5000.00
	01/27/93	SW70347WC	39700.00		SW70346WC	30900.00		SW70345WC	63300.00		61.60
	02/09/93	SW70350WC	42200.00		SW70349WC	33200.00		SW70348WC	69500.00		1000.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION		STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION		STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION		DETECTION LIMIT
STRONTIUM:	05/08/91	SW01161WC	529.00	V	SW01163WC	482.00	V	SW01182WC	336.00	V	200.00
	06/20/91	SW01264WC	700.00	JA	SW01266WC	470.00	JA	SW01285WC	670.00	JA	200.00
	07/22/91		.			.		SW01388WC	496.00	V	7.50
	08/07/91	SW01473WC	310.00	JA	SW01475WC	384.00	V	SW01494WC	460.00	JA	200.00
	09/17/91	SW01579WC	707.00	V	SW01581WC	435.00	V	SW01600WC	482.00	V	2.30
	10/17/91		.		SW01687WC	420.00	V		.		2.30
	10/21/91	SW01685WC	713.00	V		.		SW01706WC	540.00	V	2.30
	01/27/92	SW01807WC	823.00	V	SW01809WC	526.00	V	SW01805WC	643.00	V	2.90
	04/06/92	SW70259WC	788.00	V	SW70260WC	477.00	V	SW70261WC	515.00	V	200.00
	04/22/92	SW70266WC	799.00	V	SW70267WC	494.00	V	SW70268WC	590.00	V	3.30
	04/23/92		.			.		SW01887WC	611.00	V	3.30
	04/27/92	SW01889WC	777.00	V	SW01891WC	494.00	V		.		3.30
	05/06/92	SW70271WC	829.00	V	SW70272WC	528.00	V	SW70273WC	606.00	V	200.00
	05/20/92	SW70285WC	878.00	V	SW70286WC	524.00	V	SW70287WC	638.00	V	3.30
	06/04/92	SW70290WC	740.00	V	SW70291WC	491.00	V	SW70292WC	512.00	V	200.00
	06/17/92	SW70293WC	750.00	V	SW70294WC	494.00	V	SW70295WC	530.00	V	3.30
	07/02/92	SW70296WC	914.00	V	SW70297WC	510.00	V	SW70298WC	520.00	V	200.00
	07/15/92		.		SW70300WC	524.00	V	SW70301WC	521.00	V	200.00
	07/29/92	SW70302WC	839.00	V	SW70303WC	504.00	V	SW70304WC	478.00	V	200.00
	08/13/92	SW70305WC	873.00		SW70306WC	506.00	V	SW70307WC	539.00	V	200.00
	08/20/92	SW02012WC	749.00	V	SW02013WC	388.00	V	SW02011WC	544.00	V	6.50
	08/26/92	SW70310WC	384.00	V	SW70309WC	390.00	V	SW70308WC	445.00	V	200.00
	09/08/92	SW70314WC	805.00	V	SW70313WC	492.00	V	SW70312WC	623.00	V	200.00
	09/22/92	SW70315WC	716.00	JA	SW70316WC	454.00	JA	SW70317WC	600.00	JA	200.00
	10/07/92	SW70321WC	760.00	V	SW70320WC	459.00	V	SW70319WC	420.00	JA	200.00
	10/21/92	SW70324WC	756.00		SW70323WC	342.00			.		200.00
	11/06/92		.		SW70326WC	475.00		SW70325WC	325.00		200.00
	11/17/92		.		SW70329WC	463.00		SW70328WC	513.00		200.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
STRONTIUM:	12/03/92		.	SW70332WC	486.00	SW70331WC	471.00	200.00
	12/16/92		.	SW70337WC	519.00	SW70336WC	646.00	200.00
	01/06/93		.	SW70340WC	495.00	SW70339WC	674.00	200.00
	01/13/93	SW70344WC	669.00	SW70343WC	557.00	SW70342WC	499.00	200.00
	01/27/93	SW70347WC	755.00	SW70346WC	439.00	SW70345WC	618.00	5.50
	02/09/93	SW70350WC	748.00	SW70349WC	354.00	SW70348WC	551.00	40.00
THALLIUM:	05/08/91	SW01161WC	1.00 UNJA	SW01163WC	1.80 JA	SW01182WC	1.40 U JA	10.00
	06/20/91	SW01264WC	1.00 UWJA	SW01266WC	1.00 UWJA	SW01285WC	5.00 UWJA	10.00
	07/22/91		.		.	SW01388WC	1.60 U JA	1.60
	08/07/91	SW01473WC	1.00 UIJA	SW01475WC	1.60 U V	SW01494WC	5.00 UIJA	10.00
	09/17/91	SW01579WC	2.40 U V	SW01581WC	12.00 U V	SW01600WC	12.00 U V	2.40
	10/17/91		.	SW01687WC	1.90 U V		.	1.90
	10/21/91	SW01685WC	1.90 U V		.	SW01706WC	1.90 U V	1.90
	01/27/92	SW01807WC	2.00 U V	SW01809WC	2.00 U V	SW01805WC	2.00 U V	2.00
	04/06/92	SW70259WC	1.00 UWJA	SW70260WC	1.70 U JA	SW70261WC	1.70 U JA	10.00
	04/22/92	SW70266WC	2.00 U V	SW70267WC	2.00 U V	SW70268WC	2.00 U V	2.00
	04/23/92		.		.	SW01887WC	2.00 U JA	2.00
	04/27/92	SW01889WC	2.00 U JA	SW01891WC	2.00 U JA		.	2.00
	05/06/92	SW70271WC	1.00 UWJA	SW70272WC	2.00 U JA	SW70273WC	2.00 U JA	10.00
	05/20/92	SW70285WC	2.00 U JA	SW70286WC	2.00 U JA	SW70287WC	2.00 U JA	2.00
	06/04/92	SW70290WC	1.00 U V	SW70291WC	1.00 U V	SW70292WC	1.00 U V	10.00
	06/17/92	SW70293WC	1.60 U V	SW70294WC	1.60 U V	SW70295WC	1.60 U V	1.60
	07/02/92	SW70296WC	1.00 U V	SW70297WC	1.00 B V	SW70298WC	1.40 B V	10.00
	07/15/92		.	SW70300WC	1.00 U JA	SW70301WC	1.00 U JA	10.00
	07/29/92	SW70302WC	3.80 U JA	SW70303WC	3.80 UWJA	SW70304WC	3.80 UWJA	10.00
	08/13/92	SW70305WC	10.00 UW	SW70306WC	1.80 U V	SW70307WC	1.80 U V	10.00
	08/20/92	SW02012WC	1.80 U V	SW02013WC	1.80 U V	SW02011WC	1.80 U JA	1.80

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
THALLIUM:	08/26/92	SW70310WC	3.80 UWJA	SW70309WC	3.80 U V		.	10.00
	09/08/92	SW70314WC	1.30 UWV	SW70313WC	1.30 U V	SW70312WC	1.30 UWV	10.00
	09/22/92	SW70315WC	6.50 UWR	SW70316WC	1.30 UWR	SW70317WC	6.50 UWR	10.00
	10/07/92	SW70321WC	3.80 U V	SW70320WC	3.80 U V	SW70319WC	3.80 U JA	10.00
	10/21/92	SW70324WC	1.30 UI	SW70323WC	1.30 UI		.	10.00
	11/06/92		.	SW70326WC	3.80 U	SW70325WC	3.80 UI	10.00
	11/17/92		.	SW70329WC	1.70 UI	SW70328WC	1.70 UI	10.00
	12/03/92		.	SW70332WC	1.90 UI	SW70331WC	9.50 UI	10.00
	12/16/92		.	SW70337WC	2.60 UI	SW70336WC	2.60 UI	10.00
	01/06/93		.	SW70340WC	1.50 UI	SW70339WC	1.50 UI	10.00
	01/13/93	SW70344WC	1.00 U	SW70343WC	1.00 U	SW70342WC	1.00 U	10.00
	01/27/93	SW70347WC	1.50 U	SW70346WC	1.50 U	SW70345WC	1.50 U	1.50
	02/09/93	SW70350WC	1.00 UW	SW70349WC	1.00 UW	SW70348WC	1.00 UW	2.00
TIN:	05/08/91	SW01161WC	11.20 B V	SW01163WC	14.80 U V	SW01182WC	14.80 U V	200.00
	06/20/91	SW01264WC	13.00 U JA	SW01266WC	13.00 U JA	SW01285WC	13.00 U JA	200.00
	07/22/91		.		.	SW01388WC	38.90 U V	38.90
	08/07/91	SW01473WC	13.00 U R	SW01475WC	38.90 U V	SW01494WC	13.00 U R	200.00
	09/17/91	SW01579WC	10.40 U V	SW01581WC	10.40 U V	SW01600WC	10.40 U V	10.40
	10/17/91		.	SW01687WC	10.40 U V		.	10.40
	10/21/91	SW01685WC	10.40 U V		.	SW01706WC	10.40 U V	10.40
	01/27/92	SW01807WC	14.20 U V	SW01809WC	14.20 U V	SW01805WC	14.20 U V	14.20
	04/06/92	SW70259WC	23.00 U V	SW70260WC	9.40 U V	SW70261WC	9.40 U V	200.00
	04/22/92	SW70266WC	15.50 U JA	SW70267WC	15.20 U JA	SW70268WC	9.40 U V	9.40
	04/23/92		.		.	SW01887WC	9.40 U V	9.40
	04/27/92	SW01889WC	9.40 U V	SW01891WC	9.40 U V		.	9.40
	05/06/92	SW70271WC	23.00 U V	SW70272WC	9.40 U V	SW70273WC	9.40 U V	200.00
	05/20/92	SW70285WC	9.40 U V	SW70286WC	9.40 U V	SW70287WC	9.40 U V	9.40

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TIN:	06/04/92	SW70290WC	23.00 U V	SW70291WC	23.00 U V	SW70292WC	23.00 U V	200.00
	06/17/92	SW70293WC	9.40 U V	SW70294WC	9.80 V	SW70295WC	9.40 U V	9.40
	07/02/92	SW70296WC	64.30 U V	SW70297WC	64.30 U V	SW70298WC	64.30 U V	200.00
	07/15/92		.	SW70300WC	64.30 U V	SW70301WC	64.30 U V	200.00
	07/29/92	SW70302WC	12.50 U V	SW70303WC	12.50 U V	SW70304WC	12.50 U V	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	13.70 U V	SW70307WC	13.70 U JA	200.00
	08/20/92	SW02012WC	13.70 U V	SW02013WC	13.70 U V	SW02011WC	13.70 U R	13.70
	08/26/92	SW70310WC	12.50 U V	SW70309WC	12.50 U V	SW70308WC	12.50 U V	200.00
	09/08/92	SW70314WC	6.20 U V	SW70313WC	6.20 U V	SW70312WC	6.20 U V	200.00
	09/22/92	SW70315WC	6.20 U JA	SW70316WC	6.20 U JA	SW70317WC	6.20 U JA	200.00
	10/07/92	SW70321WC	6.20 U V	SW70320WC	6.20 U V	SW70319WC	6.20 U JA	200.00
	10/21/92	SW70324WC	6.20 U	SW70323WC	6.20 U		.	200.00
	11/06/92		.	SW70326WC	6.20 U	SW70325WC	6.20 U	200.00
	11/17/92		.	SW70329WC	6.20 U	SW70328WC	6.20 U	200.00
	12/03/92		.	SW70332WC	6.20 U	SW70331WC	6.20 U	200.00
	12/16/92		.	SW70337WC	9.30 U	SW70336WC	9.30 U	200.00
	01/06/93		.	SW70340WC	9.30 U	SW70339WC	9.30 U	200.00
	01/13/93	SW70344WC	13.00 U	SW70343WC	13.00 U	SW70342WC	13.00 U	200.00
	01/27/93	SW70347WC	16.70 U	SW70346WC	16.70 U	SW70345WC	16.70 U	16.70
	02/09/93	SW70350WC	13.00 U	SW70349WC	13.00 U	SW70348WC	13.00 U	40.00
VANADIUM:	05/08/91	SW01161WC	3.00 B V	SW01163WC	5.70 U V	SW01182WC	5.80 V	50.00
	06/20/91	SW01264WC	5.70 V	SW01266WC	2.90 V	SW01285WC	3.80 V	50.00
	07/22/91		.		.	SW01388WC	6.50 U V	6.50
	08/07/91	SW01473WC	3.40 V	SW01475WC	6.50 U V	SW01494WC	3.00 U V	50.00
	09/17/91	SW01579WC	5.40 U JA	SW01581WC	2.30 U V	SW01600WC	4.60 U JA	2.30
	10/17/91		.	SW01687WC	2.30 U V		.	2.30
	10/21/91	SW01685WC	4.30 V		.	SW01706WC	2.30 V	2.30

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
VANADIUM:	01/27/92	SW01807WC	11.00 V	SW01809WC	4.70 U V	SW01805WC	4.70 U V	4.70
	04/06/92	SW70259WC	9.40 U JA	SW70260WC	3.50 U V	SW70261WC	3.90 U JA	50.00
	04/22/92	SW70266WC	5.60 U JA	SW70267WC	3.50 U V	SW70268WC	3.50 U V	3.50
	04/23/92		.		.	SW01887WC	3.50 U V	3.50
	04/27/92	SW01889WC	3.50 U V	SW01891WC	3.50 U V		.	3.50
	05/06/92	SW70271WC	11.90 B V	SW70272WC	3.50 U V	SW70273WC	3.50 U V	50.00
	05/20/92	SW70285WC	3.50 V	SW70286WC	3.50 U V	SW70287WC	3.50 U V	3.50
	06/04/92	SW70290WC	11.30 B V	SW70291WC	8.00 B V	SW70292WC	6.00 U JA	50.00
	06/17/92	SW70293WC	4.20 U JA	SW70294WC	3.90 U JA	SW70295WC	3.50 U V	3.50
	07/02/92	SW70296WC	4.70 U JA	SW70297WC	3.80 U V	SW70298WC	3.80 U V	50.00
	07/15/92		.	SW70300WC	3.80 U V	SW70301WC	3.80 U V	50.00
	07/29/92	SW70302WC	3.80 V	SW70303WC	3.30 U V	SW70304WC	3.30 U V	50.00
	08/13/92	SW70305WC	50.00 U	SW70306WC	2.90 U V	SW70307WC	2.90 U V	50.00
	08/20/92	SW02012WC	2.90 U V	SW02013WC	3.70 V	SW02011WC	2.90 U V	2.90
	08/26/92	SW70310WC	3.30 U V	SW70309WC	3.30 U V	SW70308WC	3.30 U V	50.00
	09/08/92	SW70314WC	2.50 U V	SW70313WC	2.50 U V	SW70312WC	2.50 U V	50.00
	09/22/92	SW70315WC	2.50 U JA	SW70316WC	2.50 U JA	SW70317WC	2.50 U JA	50.00
	10/07/92	SW70321WC	2.60 V	SW70320WC	4.20 V	SW70319WC	3.20 JA	50.00
	10/21/92	SW70324WC	2.50 U	SW70323WC	5.40		.	50.00
	11/06/92		.	SW70326WC	2.90	SW70325WC	2.50 U	50.00
	11/17/92		.	SW70329WC	3.70	SW70328WC	2.50 U	50.00
	12/03/92		.	SW70332WC	2.50 U	SW70331WC	2.50 U	50.00
	12/16/92		.	SW70337WC	3.10	SW70336WC	2.50 U	50.00
	01/06/93		.	SW70340WC	2.50 U	SW70339WC	2.60	50.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	50.00
	01/27/93	SW70347WC	4.60	SW70346WC	3.70	SW70345WC	3.20 U	3.20
	02/09/93	SW70350WC	12.60 B	SW70349WC	5.00 U	SW70348WC	5.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ZINC:	05/08/91	SW01161WC	186.00 E JA	SW01163WC	158.00 V	SW01182WC	51.80 U JA	20.00
	06/20/91	SW01264WC	400.00 V	SW01266WC	250.00 V	SW01285WC	17.00 U JA	20.00
	07/22/91		.		.	SW01388WC	7.20 U V	7.20
	08/07/91	SW01473WC	140.00 V	SW01475WC	91.90 V	SW01494WC	23.00 V	20.00
	09/17/91	SW01579WC	310.00 V	SW01581WC	92.80 V	SW01600WC	22.80 U JA	4.30
	10/17/91		.	SW01687WC	52.60 V		.	4.30
	10/21/91	SW01685WC	272.00 V		.	SW01706WC	11.80 JA	4.30
	01/27/92	SW01807WC	310.00 V	SW01809WC	143.00 V	SW01805WC	63.50 V	2.20
	04/06/92	SW70259WC	311.00 V	SW70260WC	250.00 V	SW70261WC	116.00 V	20.00
	04/22/92	SW70266WC	290.00 V	SW70267WC	236.00 V	SW70268WC	35.80 V	1.70
	04/23/92		.		.	SW01887WC	29.10 V	1.70
	04/27/92	SW01889WC	254.00 V	SW01891WC	203.00 V		.	1.70
	05/06/92	SW70271WC	282.00 V	SW70272WC	236.00 JA	SW70273WC	14.20 U JA	20.00
	05/20/92	SW70285WC	318.00 JA	SW70286WC	130.00 JA	SW70287WC	31.60 JA	1.70
	06/04/92	SW70290WC	299.00 E JA	SW70291WC	135.00 E JA	SW70292WC	31.50 E JA	20.00
	06/17/92	SW70293WC	240.00 V	SW70294WC	183.00 V	SW70295WC	24.70 V	1.70
	07/02/92	SW70296WC	315.00 V	SW70297WC	141.00 V	SW70298WC	35.00 V	20.00
	07/15/92		.	SW70300WC	109.00 V	SW70301WC	44.00 V	20.00
	07/29/92	SW70302WC	316.00 V	SW70303WC	70.50 V	SW70304WC	35.00 V	20.00
	08/13/92	SW70305WC	275.00	SW70306WC	45.20 V	SW70307WC	42.70 V	20.00
	08/20/92	SW02012WC	209.00 V	SW02013WC	101.00 V	SW02011WC	29.30 V	2.90
	08/26/92	SW70310WC	72.10 V	SW70309WC	111.00 V	SW70308WC	41.70 V	20.00
	09/08/92	SW70314WC	263.00 V	SW70313WC	52.70 V	SW70312WC	19.40 U JA	20.00
	09/22/92	SW70315WC	225.00 JA	SW70316WC	40.70 JA	SW70317WC	15.80 JA	20.00
	10/07/92	SW70321WC	208.00 V	SW70320WC	92.80 V	SW70319WC	114.00 JA	20.00
	10/21/92	SW70324WC	205.00	SW70323WC	96.50		.	20.00
	11/06/92		.	SW70326WC	87.40	SW70325WC	11.30	20.00
	11/17/92		.	SW70329WC	56.10	SW70328WC	10.60	20.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Concentration Units pCi/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	+/-	STATION SW059 ERROR	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	+/-	STATION SW061 ERROR	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	+/-	STATION SW132 ERROR
AMERICIUM-241:	05/08/91	SW01161WC	1.4370	+/-	1.5595 R	SW01163WC	0.4980	+/-	1.2350 R	SW01182WC	0.0140	+/-	0.0175 J/
	06/20/91	SW01264WC	0.0514	+/-	0.0148 V	SW01266WC	0.0220	+/-	0.0125 V	SW01285WC	0.0063	+/-	0.0060 V
	07/12/91		.	+/-	.	SW01369WC	0.0090	+/-	0.0318 V		.	+/-	.
	07/22/91		.	+/-	.		.	+/-	.	SW01388WC	10.0000	+/-	5.7100
	08/07/91	SW01473WC	0.0147	+/-	0.0057 V	SW01475WC	0.0010	+/-	0.0027 V	SW01494WC	0.0020	+/-	0.0022 V
	09/17/91	SW01579WC	0.0250	+/-	0.0140 A	SW01581WC	-0.0030	+/-	0.0090 A	SW01600WC	0.0170	+/-	0.0120 A
	10/17/91		.	+/-	.	SW01687WC	0.0080	+/-	0.0060 A		.	+/-	.
	10/21/91	SW01685WC	0.0500	+/-	0.0140 A		.	+/-	.	SW01706WC	0.0050	+/-	0.0090 A
	01/27/92	SW01807WC	0.1200	+/-	0.0240 A	SW01809WC	0.0050	+/-	0.0080 A	SW01805WC	0.0110	+/-	0.0120 A
	07/02/92	SW70296WC	0.0150	+/-	0.0100 V	SW70297WC	0.0050	+/-	0.0060 V	SW70298WC	0.0130	+/-	0.0080 V
	07/15/92		.	+/-	.	SW70300WC	0.0120	+/-	0.0080 V	SW70301WC	0.0080	+/-	0.0070 V
	08/13/92	SW70305WC	0.0000	+/-	0.0048 V	SW70306WC	0.0036	+/-	0.0041 V	SW70307WC	0.0078	+/-	0.0068 V
	08/20/92	SW02012WC	0.0033	+/-	0.0045 V	SW02013WC	0.0478	+/-	0.0170 V	SW02011WC	0.0066	+/-	0.0060 V
	09/08/92	SW70314WC	-0.0010	+/-	0.0120	SW70313WC	-0.0050	+/-	0.0100	SW70312WC	0.0070	+/-	0.0090
	09/22/92	SW70315WC	0.0190	+/-	0.0080	SW70316WC	-0.0030	+/-	0.0170	SW70317WC	0.0050	+/-	0.0140
	10/07/92	SW70321WC	-0.0040	+/-	0.0100	SW70320WC	0.0060	+/-	0.0160	SW70319WC	0.0280	+/-	0.0260
	10/21/92	SW70324WC	0.0015	+/-	0.0029	SW70323WC	0.0238	+/-	0.0098		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	0.0130	+/-	0.0076	SW70328WC	0.0086	+/-	0.0060
	12/03/92		.	+/-	.	SW70332WC	0.0071	+/-	0.0054	SW70331WC	0.0051	+/-	0.0046
	12/16/92		.	+/-	.	SW70337WC	0.0082	+/-	0.0063	SW70336WC	0.0101	+/-	0.0077
	01/06/93		.	+/-	.	SW70340WC	0.0175	+/-	0.0087	SW70339WC	0.0052	+/-	0.0047
CESIUM-137:	06/20/91	SW01264WC	0.1465	+/-	0.3500 A	SW01266WC	-0.6010	+/-	0.4010 A	SW01285WC	0.2531	+/-	0.3860 A
	07/12/91		.	+/-	.	SW01369WC	-0.1000	+/-	0.3270 R		.	+/-	.
	07/22/91		.	+/-	.		.	+/-	.	SW01388WC	0.2626	+/-	0.3100 R
	08/07/91	SW01473WC	0.4003	+/-	0.3800 A	SW01475WC	-0.1120	+/-	0.3790 A	SW01494WC	0.0799	+/-	0.3080 A
	09/17/91	SW01579WC	0.7600	+/-	0.5000 A	SW01581WC	0.3200	+/-	0.4000 A	SW01600WC	0.3400	+/-	0.3200 A
	10/17/91		.	+/-	.	SW01687WC	1.2000	+/-	0.6800 A		.	+/-	.
	10/21/91	SW01685WC	0.0190	+/-	0.1800 V		.	+/-	.	SW01706WC	-0.0210	+/-	0.1200 V
	01/27/92	SW01807WC	0.5000	+/-	0.4600 R	SW01809WC	0.0500	+/-	0.4300 R	SW01805WC	0.2200	+/-	0.4200 R

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CESIUM-137:	07/15/92		.	+/-	.	SW70300WC	-0.0410	+/-	0.1500 V	SW70301WC	0.0080	+/-	0.1700 V
	08/13/92	SW70305WC	-0.4640	+/-	0.7270 A	SW70306WC	0.8358	+/-	0.6520 A	SW70307WC	-0.1520	+/-	0.6740 A
	08/20/92	SW02012WC	0.5312	+/-	0.6760 A	SW02013WC	0.0882	+/-	0.8300 A	SW02011WC	-0.1020	+/-	0.6470 A
	09/08/92	SW70314WC	0.0090	+/-	0.1000	SW70313WC	0.1100	+/-	0.1700	SW70312WC	0.2100	+/-	0.1200
	09/22/92	SW70315WC	0.1700	+/-	0.1300	SW70316WC	0.1600	+/-	0.1900	SW70317WC	0.0440	+/-	0.1100
	10/07/92	SW70321WC	0.1600	+/-	0.1800	SW70320WC	0.1200	+/-	0.1200	SW70319WC	0.0600	+/-	0.1200
	12/03/92		.	+/-	.	SW70332WC	-0.4020	+/-	0.4630	SW70331WC	-0.0848	+/-	0.4540
GROSS ALPHA:	09/17/91	SW01579WC	15.0000	+/-	2.3000 A	SW01581WC	5.5000	+/-	1.1000 A	SW01600WC	4.8000	+/-	0.8900 A
	10/17/91		.	+/-	.	SW01687WC	4.4000	+/-	1.4000 R		.	+/-	.
	10/21/91	SW01685WC	5.6000	+/-	3.1000		.	+/-	.	SW01706WC	5.5000	+/-	2.3000
	01/27/92	SW01807WC	21.0000	+/-	2.5000 A	SW01809WC	6.4000	+/-	1.1000 A	SW01805WC	8.7000	+/-	1.9000 A
	07/02/92	SW70296WC	3.7000	+/-	2.4000	SW70297WC	4.1000	+/-	2.3000	SW70298WC	3.3000	+/-	3.5000
	07/15/92		.	+/-	.	SW70300WC	1.7000	+/-	3.0000	SW70301WC	4.7000	+/-	3.3000
	08/13/92	SW70305WC	4.0600	+/-	2.1400	SW70306WC	3.4060	+/-	2.1700	SW70307WC	3.2650	+/-	1.6600
	08/20/92	SW02012WC	0.1330	+/-	1.9600	SW02013WC	2.9260	+/-	2.3700	SW02011WC	4.0650	+/-	3.8600
	09/08/92	SW70314WC	1.4000	+/-	2.3000	SW70313WC	3.8000	+/-	2.0000	SW70312WC	3.7000	+/-	2.2000
	09/22/92	SW70315WC	2.6000	+/-	2.4000	SW70316WC	4.1000	+/-	2.2000	SW70317WC	4.2000	+/-	2.3000
	10/07/92	SW70321WC	1.6000	+/-	2.2000	SW70320WC	2.2000	+/-	2.1000	SW70319WC	3.4000	+/-	2.0000
	10/21/92	SW70324WC	1.7680	+/-	0.9430	SW70323WC	1.9100	+/-	1.0500		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	5.3600	+/-	3.3100	SW70328WC	6.3300	+/-	2.7900
	12/03/92		.	+/-	.	SW70332WC	4.8400	+/-	2.0000	SW70331WC	2.6670	+/-	1.7600
	12/16/92		.	+/-	.	SW70337WC	3.2110	+/-	1.6500	SW70336WC	6.0110	+/-	4.5600
	01/06/93		.	+/-	.	SW70340WC	5.4380	+/-	3.6500	SW70339WC	3.6490	+/-	2.1300
GROSS BETA:	09/17/91	SW01579WC	7.7000	+/-	2.1000 A	SW01581WC	6.3000	+/-	2.0000 A	SW01600WC	3.6000	+/-	1.7000 A
	10/17/91		.	+/-	.	SW01687WC	4.5000	+/-	2.0000 A		.	+/-	.
	10/21/91	SW01685WC	17.0000	+/-	3.3000		.	+/-	.	SW01706WC	6.0000	+/-	1.1000
	01/27/92	SW01807WC	13.0000	+/-	2.3000 A	SW01809WC	4.2000	+/-	2.1000 A	SW01805WC	8.3000	+/-	2.0000 A
	07/02/92	SW70296WC	4.1000	+/-	1.0000	SW70297WC	11.0000	+/-	1.3000	SW70298WC	5.2000	+/-	1.7000

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GROSS BETA:	07/15/92		.	+/-	.	SW70300WC	5.7000	+/-	1.9000	SW70301WC	4.6000	+/-	1.7000
	08/13/92	SW70305WC	4.5710	+/-	2.4800	SW70306WC	4.7770	+/-	2.1300	SW70307WC	8.4790	+/-	2.4300
	08/20/92	SW02012WC	4.9900	+/-	2.5200	SW02013WC	4.4240	+/-	1.7500	SW02011WC	4.8090	+/-	2.4300
	09/08/92	SW70314WC	5.1000	+/-	1.4000	SW70313WC	3.9000	+/-	1.1000	SW70312WC	7.8000	+/-	1.3000
	09/22/92	SW70315WC	4.3000	+/-	1.2000	SW70316WC	3.5000	+/-	0.9400	SW70317WC	5.8000	+/-	1.1000
	10/07/92	SW70321WC	4.3000	+/-	1.3000	SW70320WC	5.4000	+/-	1.1000	SW70319WC	4.8000	+/-	1.1000
	10/21/92	SW70324WC	2.9180	+/-	1.1100	SW70323WC	3.0410	+/-	1.0800		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	5.9000	+/-	2.9600	SW70328WC	7.2100	+/-	3.8500
	12/03/92		.	+/-	.	SW70332WC	3.7020	+/-	1.7200	SW70331WC	6.5890	+/-	2.1000
	12/16/92		.	+/-	.	SW70337WC	6.2890	+/-	2.8200	SW70336WC	23.0900	+/-	5.9000
	01/06/93		.	+/-	.	SW70340WC	6.8640	+/-	3.5100	SW70339WC	2.2280	+/-	2.0700
PLUTONIUM-239/240:	05/08/91	SW01161WC	0.0170	+/-	0.0120	SW01163WC	0.0043	+/-	0.0067 A	SW01182WC	0.0024	+/-	0.0059 A
	06/20/91	SW01264WC	0.0494	+/-	0.0181 A	SW01266WC	0.0150	+/-	0.0088 A	SW01285WC	0.0017	+/-	0.0033 A
	07/12/91		.	+/-	.	SW01369WC	0.0053	+/-	0.0056 V		.	+/-	. .
	07/22/91		.	+/-	.		.	+/-	.	SW01388WC	0.0005	+/-	0.0034
	08/07/91	SW01473WC	0.0384	+/-	0.0189 A	SW01475WC	0.0006	+/-	0.0023 V	SW01494WC	0.0038	+/-	0.0049 V
	09/17/91	SW01579WC	0.0220	+/-	0.0100 A	SW01581WC	0.0070	+/-	0.0040 A	SW01600WC	0.0050	+/-	0.0040 A
	10/17/91		.	+/-	.	SW01687WC	0.0070	+/-	0.0040 A		.	+/-	.
	10/21/91	SW01685WC	0.0210	+/-	0.0070 V		.	+/-	.	SW01706WC	0.0040	+/-	0.0040 V
	01/27/92	SW01807WC	0.1600	+/-	0.0260 V	SW01809WC	0.0280	+/-	0.0100 V	SW01805WC	0.0060	+/-	0.0060 V
	07/02/92	SW70296WC	0.0060	+/-	0.0040 A	SW70297WC	0.0070	+/-	0.0070 A	SW70298WC	0.0140	+/-	0.0090 A
	07/15/92		.	+/-	.	SW70300WC	0.0030	+/-	0.0040 A	SW70301WC	0.0010	+/-	0.0050 A
	08/13/92	SW70305WC	0.0037	+/-	0.0053 V	SW70306WC	0.0034	+/-	0.0067 V	SW70307WC	0.0065	+/-	0.0075 A
	08/20/92	SW02012WC	0.0066	+/-	0.0066 V	SW02013WC	0.0329	+/-	0.0237 V	SW02011WC	0.0138	+/-	0.0094 V
	09/08/92	SW70314WC	0.0010	+/-	0.0100	SW70313WC	0.0030	+/-	0.0070	SW70312WC	0.0020	+/-	0.0060
	09/22/92	SW70315WC	0.0130	+/-	0.0140	SW70316WC	0.0190	+/-	0.0190	SW70317WC	0.0090	+/-	0.0130
	10/07/92	SW70321WC	0.0100	+/-	0.0050	SW70320WC	0.0290	+/-	0.0140	SW70319WC	0.0220	+/-	0.0150
	10/21/92	SW70324WC	0.0047	+/-	0.0067	SW70323WC	0.0238	+/-	0.0145		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	0.0200	+/-	0.0116	SW70328WC	0.0053	+/-	0.0053

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PLUTONIUM-239/240:	12/03/92		.	+/-	.	SW70332WC	0.0057	+/-	0.0071	SW70331WC	0.0033	+/-	0.0064
	12/16/92		.	+/-	.	SW70337WC	0.0086	+/-	0.0074	SW70336WC	0.0018	+/-	0.0047
	01/06/93		.	+/-	.	SW70340WC	0.0062	+/-	0.0062	SW70339WC	0.0125	+/-	0.0089
RADIUM-226:	01/27/92	SW01807WC	0.8100	+/-	0.1600 A	SW01809WC	0.7000	+/-	0.1500 A	SW01805WC	0.8300	+/-	0.1400 A
STRONTIUM-89,90:	09/17/91	SW01579WC	0.6500	+/-	0.3100 A	SW01581WC	0.4900	+/-	0.2600 A	SW01600WC	0.8200	+/-	0.3500 A
	10/17/91		.	+/-	.	SW01687WC	0.2500	+/-	0.1600 A		.	+/-	.
	10/21/91	SW01685WC	0.0820	+/-	0.2700 V		.	+/-	.	SW01706WC	0.3300	+/-	0.2900 J
	01/27/92	SW01807WC	0.0900	+/-	0.1600 V	SW01809WC	0.3500	+/-	0.1900 V	SW01805WC	0.6100	+/-	0.2100 V
	07/02/92	SW70296WC	-0.2600	+/-	0.2100 R	SW70297WC	-0.0080	+/-	0.1500 R	SW70298WC	0.1100	+/-	0.1900 R
	07/15/92		.	+/-	.	SW70300WC	0.0980	+/-	0.2600 R	SW70301WC	0.0990	+/-	0.4600 R
	08/13/92	SW70305WC	0.1736	+/-	0.2390 A	SW70306WC	0.3287	+/-	0.2940 A	SW70307WC	0.5737	+/-	0.3850 A
	08/20/92	SW02012WC	0.0714	+/-	0.2320 A	SW02013WC	0.3478	+/-	0.3130 A	SW02011WC	0.1285	+/-	0.2170 A
	09/08/92	SW70314WC	0.0060	+/-	0.0970	SW70313WC	0.0810	+/-	0.1300	SW70312WC	0.1200	+/-	0.1100
	09/22/92	SW70315WC	-0.0050	+/-	0.0740	SW70316WC	0.0080	+/-	0.0810	SW70317WC	0.1300	+/-	0.1400
	10/07/92	SW70321WC	0.0540	+/-	0.1100	SW70320WC	0.0750	+/-	0.1200	SW70319WC	0.1300	+/-	0.1200
	10/21/92	SW70324WC	-0.0336	+/-	0.0276	SW70323WC	0.9394	+/-	0.5840		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	0.6470	+/-	0.5390	SW70328WC	0.7240	+/-	0.6040
	12/03/92		.	+/-	.	SW70332WC	0.2964	+/-	0.2910		.	+/-	.
	12/16/92		.	+/-	.	SW70337WC	0.3967	+/-	0.3380	SW70336WC	0.4873	+/-	0.3430
	01/06/93		.	+/-	.	SW70340WC	0.2012	+/-	0.2860	SW70339WC	0.1408	+/-	0.3480
TRITIUM:	09/17/91	SW01579WC	-43.0000	+/-	230.0000 A	SW01581WC	390.0000	+/-	250.0000 A	SW01600WC	4.1000	+/-	230.0000 A
	10/17/91		.	+/-	.	SW01687WC	73.0000	+/-	200.0000 V		.	+/-	.
	10/21/91	SW01685WC	100.0000	+/-	150.0000 V		.	+/-	.	SW01706WC	110.0000	+/-	150.0000 V
	01/27/92	SW01807WC	580.0000	+/-	270.0000 V	SW01809WC	180.0000	+/-	240.0000 V	SW01805WC	720.0000	+/-	270.0000 V
	08/20/92	SW02012WC	162.0000	+/-	235.0000 V	SW02013WC	41.6500	+/-	229.0000 V	SW02011WC	110.2000	+/-	232.0000 V
URANIUM, TOTAL:	09/17/91	SW01579WC	8.2810	+/-	3.4030 A	SW01581WC	5.9200	+/-	1.7200 A	SW01600WC	5.2370	+/-	1.5560 A

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URANIUM, TOTAL:	10/17/91		.	+/-	.	SW01687WC	3.9700	+/-	1.2300 A		.	+/-	.
	10/21/91	SW01685WC	7.0500	+/-	1.9900 V		.	+/-	.	SW01706WC	8.9300	+/-	2.7100 V
	01/27/92	SW01807WC	7.3510	+/-	2.0200 A	SW01809WC	6.2100	+/-	1.9600 A	SW01805WC	10.3300	+/-	2.8500 A
	04/06/92	SW70259WC	11.9020	+/-	3.4930	SW70260WC	0.5810	+/-	0.2330	SW70261WC	8.3590	+/-	1.6880
	04/22/92	SW70266WC	4.5090	+/-	0.5500	SW70267WC	0.0680	+/-	0.0230	SW70268WC	0.1650	+/-	0.0690
	04/23/92		.	+/-	.		.	+/-	.	SW01887WC	0.0170	+/-	0.0130
	04/27/92	SW01889WC	0.0660	+/-	0.0640	SW01891WC	0.0480	+/-	0.0360		.	+/-	.
	05/06/92	SW70271WC	0.0880	+/-	0.0460	SW70272WC	0.1470	+/-	0.0990	SW70273WC	0.1571	+/-	0.0520
	05/20/92	SW70285WC	0.7290	+/-	0.0540	SW70286WC	2.2720	+/-	0.3840	SW70287WC	4.9560	+/-	1.0530
	06/04/92	SW70290WC	6.0980	+/-	1.0940	SW70291WC	0.0920	+/-	0.0930	SW70292WC	7.9780	+/-	0.8680
	06/17/92	SW70293WC	11.3720	+/-	1.2430	SW70294WC	12.0800	+/-	1.5370	SW70295WC	8.4300	+/-	7.4930
	07/02/92	SW70296WC	8.3300	+/-	1.5500 A	SW70297WC	5.0820	+/-	1.1700 A	SW70298WC	4.7570	+/-	1.1170 A
	07/15/92		.	+/-	.	SW70300WC	4.9100	+/-	1.2600 A	SW70301WC	6.5300	+/-	1.5200 A
	08/13/92	SW70305WC	7.2924	+/-	2.0215 A	SW70306WC	4.5231	+/-	1.7970 A	SW70307WC	6.5184	+/-	1.9490 A
	08/20/92	SW02012WC	5.9348	+/-	1.8680 A	SW02013WC	2.9240	+/-	1.3500 A	SW02011WC	6.5280	+/-	1.9210 A
	08/26/92	SW70310WC	2.7080	+/-	0.4090	SW70309WC	1.8025	+/-	0.3845	SW70308WC	5.6330	+/-	0.7210
	09/08/92	SW70314WC	6.9300	+/-	1.5300	SW70313WC	5.4000	+/-	1.4100	SW70312WC	8.6500	+/-	1.8800
	09/22/92	SW70315WC	6.9800	+/-	1.4000	SW70316WC	4.6740	+/-	1.0590	SW70317WC	7.5200	+/-	1.7100
	10/07/92	SW70321WC	5.5400	+/-	1.1550	SW70320WC	3.7800	+/-	1.0500	SW70319WC	5.6600	+/-	1.2200
	10/21/92	SW70324WC	6.2649	+/-	2.1840	SW70323WC	3.1640	+/-	1.5190		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	6.0400	+/-	1.5714	SW70328WC	1.5700	+/-	0.7650
	12/03/92		.	+/-	.	SW70332WC	5.8048	+/-	2.2320	SW70331WC	3.2218	+/-	1.5550
	12/16/92		.	+/-	.	SW70337WC	5.7669	+/-	1.8560	SW70336WC	4.1461	+/-	1.5733
	01/06/93		.	+/-	.	SW70340WC	8.0621	+/-	2.2580	SW70339WC	3.8858	+/-	1.5455
URANIUM-233,-234:	09/17/91	SW01579WC	3.7000	+/-	1.6000 A	SW01581WC	3.2000	+/-	0.8300 A	SW01600WC	3.1000	+/-	0.8200 A
	10/17/91		.	+/-	.	SW01687WC	2.3000	+/-	0.6200 A		.	+/-	.
	10/21/91	SW01685WC	4.1000	+/-	1.0000 V		.	+/-	.	SW01706WC	4.4000	+/-	1.2000 V
	01/27/92	SW01807WC	4.6000	+/-	1.1000 A	SW01809WC	2.7000	+/-	0.8200 A	SW01805WC	5.7000	+/-	1.4000 A
	07/02/92	SW70296WC	4.3000	+/-	0.7500 A	SW70297WC	2.3000	+/-	0.5000 A	SW70298WC	2.5000	+/-	0.5300 A

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URANIUM-233,-234:	07/15/92		.	+/-	.	SW70300WC	2.6000	+/-	0.5700 A	SW70301WC	3.4000	+/-	0.7300 A
	08/13/92	SW70305WC	3.7540	+/-	0.9810 A	SW70306WC	2.2830	+/-	0.8280 A	SW70307WC	3.3870	+/-	0.9330 A
	08/20/92	SW02012WC	3.1160	+/-	0.8770 A	SW02013WC	1.6750	+/-	0.6420 A	SW02011WC	3.7520	+/-	0.9810 A
	09/08/92	SW70314WC	3.5000	+/-	0.7300	SW70313WC	2.4000	+/-	0.6200	SW70312WC	4.0000	+/-	0.8200
	09/22/92	SW70315WC	3.3000	+/-	0.6200	SW70316WC	2.0000	+/-	0.4500	SW70317WC	3.5000	+/-	0.7500
	10/07/92	SW70321WC	3.0000	+/-	0.5800	SW70320WC	1.6000	+/-	0.4400	SW70319WC	2.8000	+/-	0.5400
	10/21/92	SW70324WC	3.5220	+/-	1.0700	SW70323WC	1.7370	+/-	0.7840		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	2.8000	+/-	0.6544	SW70328WC	0.8300	+/-	0.3457
	12/03/92		.	+/-	.	SW70332WC	3.0110	+/-	1.0500	SW70331WC	1.7270	+/-	0.7410
	12/16/92		.	+/-	.	SW70337WC	2.6710	+/-	0.8250	SW70336WC	2.0160	+/-	0.7650
	01/06/93		.	+/-	.	SW70340WC	4.3440	+/-	1.0900	SW70339WC	1.8720	+/-	0.7530
URANIUM-235:	09/17/91	SW01579WC	-0.0190	+/-	0.0030 A	SW01581WC	0.1200	+/-	0.1500 A	SW01600WC	0.0370	+/-	0.0860 A
	10/17/91		.	+/-	.	SW01687WC	0.0700	+/-	0.1000 A		.	+/-	.
	10/21/91	SW01685WC	0.1500	+/-	0.2100 V		.	+/-	.	SW01706WC	0.2300	+/-	0.3100 V
	01/27/92	SW01807WC	0.0510	+/-	0.1000 A	SW01809WC	0.2100	+/-	0.2100 A	SW01805WC	0.2300	+/-	0.2500 A
	07/02/92	SW70296WC	0.1300	+/-	0.1100 A	SW70297WC	0.0820	+/-	0.1100 A	SW70298WC	0.0570	+/-	0.0570 A
	07/15/92		.	+/-	.	SW70300WC	0.2100	+/-	0.1900 A	SW70301WC	0.1300	+/-	0.1300 A
	08/13/92	SW70305WC	0.0294	+/-	0.0995 A	SW70306WC	0.1211	+/-	0.1790 A	SW70307WC	0.0964	+/-	0.1430 A
	08/20/92	SW02012WC	0.1978	+/-	0.1990 A	SW02013WC	0.0000	+/-	0.1630 A	SW02011WC	0.0940	+/-	0.1390 A
	09/08/92	SW70314WC	0.1300	+/-	0.1300	SW70313WC	0.1000	+/-	0.1400	SW70312WC	0.1500	+/-	0.1500
	09/22/92	SW70315WC	0.1800	+/-	0.1500	SW70316WC	0.0740	+/-	0.0990	SW70317WC	0.3200	+/-	0.2000
	10/07/92	SW70321WC	0.1400	+/-	0.0950	SW70320WC	0.1800	+/-	0.1500	SW70319WC	0.2600	+/-	0.1500
	10/21/92	SW70324WC	0.1729	+/-	0.2260	SW70323WC	-0.0310	+/-	0.0280		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	0.5400	+/-	0.2810	SW70328WC	0.1100	+/-	0.1209
	12/03/92		.	+/-	.	SW70332WC	0.1308	+/-	0.2120	SW70331WC	0.0588	+/-	0.1410
	12/16/92		.	+/-	.	SW70337WC	0.1009	+/-	0.1490	SW70336WC	-0.0149	+/-	0.0173
	01/06/93		.	+/-	.	SW70340WC	0.1871	+/-	0.2050	SW70339WC	-0.0053	+/-	0.0105
URANIUM-238:	09/17/91	SW01579WC	4.6000	+/-	1.8000 A	SW01581WC	2.6000	+/-	0.7400 A	SW01600WC	2.1000	+/-	0.6500 A

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X = Result is calculated. I = Indicates Interference. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Radiochemistry
(Concentration Units pCi/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	+/-	STATION SW059 ERROR	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	+/-	STATION SW061 ERROR	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	+/-	STATION SW132 ERROR
URANIUM-238:	10/17/91		.	+/-	.	SW01687WC	1.6000	+/-	0.5100 A		.	+/-	.
	10/21/91	SW01685WC	2.8000	+/-	0.7800 V		.	+/-	.	SW01706WC	4.3000	+/-	1.2000 V
	01/27/92	SW01807WC	2.7000	+/-	0.8200 A	SW01809WC	3.3000	+/-	0.9300 A	SW01805WC	4.4000	+/-	1.2000 A
	07/02/92	SW70296WC	3.9000	+/-	0.6900 A	SW70297WC	2.7000	+/-	0.5600 A	SW70298WC	2.2000	+/-	0.5300 A
	07/15/92		.	+/-	.	SW70300WC	2.1000	+/-	0.5000 A	SW70301WC	3.0000	+/-	0.6600 A
	08/13/92	SW70305WC	3.5090	+/-	0.9410 A	SW70306WC	2.1190	+/-	0.7900 A	SW70307WC	3.0350	+/-	0.8730 A
	08/20/92	SW02012WC	2.6210	+/-	0.7920 A	SW02013WC	1.2490	+/-	0.5450 A	SW02011WC	2.6820	+/-	0.8010 A
	09/08/92	SW70314WC	3.3000	+/-	0.6700	SW70313WC	2.9000	+/-	0.6500	SW70312WC	4.5000	+/-	0.9100
	09/22/92	SW70315WC	3.5000	+/-	0.6300	SW70316WC	2.6000	+/-	0.5100	SW70317WC	3.7000	+/-	0.7600
	10/07/92	SW70321WC	2.4000	+/-	0.4800	SW70320WC	2.0000	+/-	0.4600	SW70319WC	2.6000	+/-	0.5300
	10/21/92	SW70324WC	2.5700	+/-	0.8880	SW70323WC	1.4580	+/-	0.7070		.	+/-	.
	11/17/92		.	+/-	.	SW70329WC	2.7000	+/-	0.6360	SW70328WC	0.6300	+/-	0.2984
	12/03/92		.	+/-	.	SW70332WC	2.6630	+/-	0.9700	SW70331WC	1.4360	+/-	0.6730
	12/16/92		.	+/-	.	SW70337WC	2.9950	+/-	0.8820	SW70336WC	2.1450	+/-	0.7910
	01/06/93		.	+/-	.	SW70340WC	3.5310	+/-	0.9630	SW70339WC	2.0190	+/-	0.7820

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APPENDIX C-2

SURFACE WATER DISSOLVED AND TOTAL METALS DATA

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ALUMINUM:	05/08/91	SW01161WC	603.00 V	SW01163WC	108.00 U V	SW01182WC	108.00 U V	200.00
	06/20/91	SW01264WC	1900.00 V	SW01266WC	220.00 V	SW01285WC	35.00 V	200.00
	07/22/91		.		.	SW01388WC	214.00 V	36.80
	08/07/91	SW01473WC	1000.00 V	SW01475WC	45.10 JA	SW01494WC	26.00 V	200.00
	09/17/91	SW01579WC	66.20 U JA	SW01581WC	27.20 V	SW01600WC	135.00 U JA	22.30
	10/17/91		.	SW01687WC	88.60		.	22.30
	10/21/91	SW01685WC	1130.00 V		.	SW01706WC	58.70	22.30
	01/27/92	SW01807WC	3780.00 JA	SW01809WC	971.00 JA	SW01805WC	453.00 JA	22.40
	04/06/92	SW70259WC	268.00 V	SW70260WC	63.70 U JA	SW70261WC	29.20 U V	200.00
	04/22/92	SW70266WC	1350.00 V	SW70267WC	29.20 U V	SW70268WC	29.20 U V	29.20
	04/23/92		.		.	SW01887WC	47.80 U JA	29.20
	04/27/92	SW01889WC	219.00 U JA	SW01891WC	43.40 U JA		.	29.20
	05/06/92	SW70271WC	841.00 V	SW70272WC	29.20 U V	SW70273WC	29.20 U V	200.00
	05/20/92	SW70285WC	934.00 V	SW70286WC	154.00 U JA	SW70287WC	82.20 U JA	29.20
	06/04/92	SW70290WC	1090.00	SW70291WC	64.20 U JA	SW70292WC	81.80 U JA	200.00
	06/17/92	SW70293WC	556.00 V	SW70294WC	29.20 U V	SW70295WC	29.20 U V	29.20
	07/02/92	SW70296WC	533.00 V	SW70297WC	61.80 U JA	SW70298WC	78.40 U JA	200.00
	07/15/92		.	SW70300WC	85.00 B V	SW70301WC	73.80 B V	200.00
	07/29/92	SW70302WC	1220.00 E JA	SW70303WC	759.00 E JA	SW70304WC	525.00 E JA	200.00
	08/13/92	SW70305WC	200.00 UN	SW70306WC	58.90 U JA	SW70307WC	65.90 U JA	200.00
	08/20/92	SW02012WC	22.00 U JA	SW02013WC	139.00 U JA	SW02011WC	78.40 U JA	17.00
	08/26/92	SW70310WC	48.20 JA	SW70309WC	66.90 JA	SW70308WC	41.60 JA	200.00
	09/08/92	SW70314WC	39.80 JA	SW70313WC	120.00 V	SW70312WC	25.90 JA	200.00
	09/22/92	SW70315WC	94.20 U JA	SW70316WC	88.60 U JA	SW70317WC	20.70 U JA	200.00
	10/07/92	SW70321WC	256.00 V	SW70320WC	700.00 V	SW70319WC	1380.00 JA	200.00
	10/21/92	SW70324WC	190.00	SW70323WC	1100.00		.	200.00
	11/06/92		.	SW70326WC	842.00	SW70325WC	179.00	200.00
	11/17/92		.	SW70329WC	280.00	SW70328WC	125.00	200.00

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S = Reported value was determined by method of standard additions. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ALUMINUM:	12/03/92		.	SW70332WC	228.00	SW70331WC	52.60	200.00
	12/16/92		.	SW70337WC	408.00	SW70336WC	70.30	200.00
	01/06/93		.	SW70340WC	127.00	SW70339WC	59.60	200.00
	01/13/93	SW70344WC	18.00 U	SW70343WC	196.00 B	SW70342WC	134.00 B	200.00
	01/27/93	SW70347WC	701.00	SW70346WC	692.00	SW70345WC	39.30	31.70
	02/09/93	SW70350WC	3950.00	SW70349WC	265.00	SW70348WC	125.00 B	40.00
ANTIMONY:	05/08/91	SW01161WC	10.00 B V	SW01163WC	37.20 U JA	SW01182WC	41.30 U JA	60.00
	06/20/91	SW01264WC	11.00 U V	SW01266WC	11.00 U V	SW01285WC	11.00 U V	60.00
	07/22/91		.		.	SW01388WC	42.20 U V	42.20
	08/07/91	SW01473WC	11.00 U V	SW01475WC	42.20 U V	SW01494WC	11.00 U V	60.00
	09/17/91	SW01579WC	18.00 U JA	SW01581WC	13.80 U V	SW01600WC	13.80 U V	13.80
	10/17/91		.	SW01687WC	13.80 U V		.	13.80
	10/21/91	SW01685WC	13.80 U V		.	SW01706WC	13.80 U V	13.80
	01/27/92	SW01807WC	16.70 V	SW01809WC	13.50 U V	SW01805WC	13.50 U V	13.50
	04/06/92	SW70259WC	18.00 U V	SW70260WC	19.80 U V	SW70261WC	19.80 U V	60.00
	04/22/92	SW70266WC	19.80 U V	SW70267WC	19.80 U V	SW70268WC	19.80 U V	19.80
	04/23/92		.		.	SW01887WC	19.80 U V	19.80
	04/27/92	SW01889WC	19.80 U V	SW01891WC	19.80 U V		.	19.80
	05/06/92	SW70271WC	18.00 U V	SW70272WC	19.80 U V	SW70273WC	19.80 U V	60.00
	05/20/92	SW70285WC	19.80 U V	SW70286WC	19.80 U V	SW70287WC	19.80 U V	19.80
	06/04/92	SW70290WC	18.00 U V	SW70291WC	18.00 U V	SW70292WC	18.00 U V	60.00
	06/17/92	SW70293WC	19.80 U V	SW70294WC	19.80 U V	SW70295WC	19.80 U V	19.80
	07/02/92	SW70296WC	49.30 U V	SW70297WC	49.30 U V	SW70298WC	49.30 U V	60.00
	07/15/92		.	SW70300WC	49.30 U JA	SW70301WC	49.30 U JA	60.00
	07/29/92	SW70302WC	16.50 U V	SW70303WC	16.50 U V	SW70304WC	16.50 U V	60.00
	08/13/92	SW70305WC	60.00 U	SW70306WC	29.00 U JA	SW70307WC	41.90 U JA	60.00
	08/20/92	SW02012WC	39.70 U JA	SW02013WC	37.40 U JA	SW02011WC	48.50 U JA	18.80

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VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ANTIMONY:	08/26/92	SW70310WC	16.50 U JA	SW70309WC	16.50 U JA	SW70308WC	16.50 U JA	60.00
	09/08/92	SW70314WC	14.80 U V	SW70313WC	14.80 U V	SW70312WC	14.80 U V	60.00
	09/22/92	SW70315WC	14.80 U JA	SW70316WC	14.80 U JA	SW70317WC	14.80 U JA	60.00
	10/07/92	SW70321WC	14.80 U V	SW70320WC	14.80 U V	SW70319WC	14.80 U JA	60.00
	10/21/92	SW70324WC	14.80 U	SW70323WC	14.80 U		.	60.00
	11/06/92		.	SW70326WC	14.80 U	SW70325WC	14.80 U	60.00
	11/17/92		.	SW70329WC	14.80 U	SW70328WC	14.80 U	60.00
	12/03/92		.	SW70332WC	14.80 U	SW70331WC	14.80 U	60.00
	12/16/92		.	SW70337WC	20.10	SW70336WC	20.60	60.00
	01/06/93		.	SW70340WC	18.40 U	SW70339WC	18.40 U	60.00
	01/13/93	SW70344WC	23.00 U	SW70343WC	23.00 U	SW70342WC	23.00 U	60.00
	01/27/93	SW70347WC	19.70 U	SW70346WC	19.70 U	SW70345WC	19.70 U	19.70
	02/09/93	SW70350WC	23.00 U	SW70349WC	23.00 U	SW70348WC	23.00 U	12.00
ARSENIC:	05/08/91	SW01161WC	2.00 U V	SW01163WC	0.90 U JA	SW01182WC	0.90 U JA	10.00
	06/20/91	SW01264WC	2.00 UWV	SW01266WC	2.00 UWV	SW01285WC	2.00 U V	10.00
	07/22/91		.		.	SW01388WC	0.80 U JA	0.80
	08/07/91	SW01473WC	4.00 U V	SW01475WC	0.70 U JA	SW01494WC	4.00 U V	10.00
	09/17/91	SW01579WC	0.70 U JA	SW01581WC	0.70 U V	SW01600WC	0.70 JA	0.70
	10/17/91		.	SW01687WC	1.10 U V		.	1.10
	10/21/91	SW01685WC	1.10 U JA		.	SW01706WC	1.10 U JA	1.10
	01/27/92	SW01807WC	4.30 JA	SW01809WC	1.30 U V	SW01805WC	1.30 U JA	1.30
	04/06/92	SW70259WC	2.00 U V	SW70260WC	0.80 U JA	SW70261WC	0.80 U JA	10.00
	04/22/92	SW70266WC	1.30 JA	SW70267WC	0.80 U JA	SW70268WC	0.80 U JA	0.80
	04/23/92		.		.	SW01887WC	0.80 U V	0.80
	04/27/92	SW01889WC	0.80 U V	SW01891WC	0.80 U V		.	0.80
	05/06/92	SW70271WC	1.00 U V	SW70272WC	1.70 U V	SW70273WC	1.70 U V	10.00
	05/20/92	SW70285WC	1.70 U V	SW70286WC	1.70 U V	SW70287WC	1.70 U V	1.70

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VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ARSENIC:	06/04/92	SW70290WC	1.30 B V	SW70291WC	1.10 B V	SW70292WC	1.10 B V	10.00
	06/17/92	SW70293WC	0.70 U R	SW70294WC	0.70 U JA	SW70295WC	0.70 U JA	0.70
	07/02/92	SW70296WC	2.00 U V	SW70297WC	2.00 U V	SW70298WC	2.30 B V	10.00
	07/15/92		.	SW70300WC	2.00 U V	SW70301WC	2.00 U V	10.00
	07/29/92	SW70302WC	2.20 U V	SW70303WC	2.20 U V	SW70304WC	2.20 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	0.50 U JA	SW70307WC	0.90 JA	10.00
	08/20/92	SW02012WC	0.50 U R	SW02013WC	0.50 U JA	SW02011WC	1.00 JA	0.50
	08/26/92	SW70310WC	1.90 U V	SW70309WC	1.90 U V	SW70308WC	1.90 U V	10.00
	09/08/92	SW70314WC	3.20 U V	SW70313WC	3.20 U V	SW70312WC	3.20 U V	10.00
	09/22/92	SW70315WC	1.90 U JA	SW70316WC	1.90 U JA	SW70317WC	1.90 U JA	10.00
	10/07/92	SW70321WC	3.20 U V	SW70320WC	3.20 U V	SW70319WC	4.50 I JA	10.00
	10/21/92	SW70324WC	1.90 UI	SW70323WC	1.90 U		.	10.00
	11/06/92		.	SW70326WC	1.90 U	SW70325WC	1.90 U	10.00
	11/17/92		.	SW70329WC	1.90 U	SW70328WC	1.90 U	10.00
	12/03/92		.	SW70332WC	3.90 UI	SW70331WC	3.90 U	10.00
	12/16/92		.	SW70337WC	3.70 U	SW70336WC	3.70 U	10.00
	01/06/93		.	SW70340WC	2.60 U	SW70339WC	2.60 U	10.00
	01/13/93	SW70344WC	1.00 U	SW70343WC	1.00 U	SW70342WC	1.00 U	10.00
	01/27/93	SW70347WC	1.40 U	SW70346WC	1.40 U	SW70345WC	1.40 U	1.40
	02/09/93	SW70350WC	1.00 U	SW70349WC	1.00 U	SW70348WC	1.00 U	2.00
BARIUM:	05/08/91	SW01161WC	160.00 B V	SW01163WC	151.00 V	SW01182WC	82.20 V	200.00
	06/20/91	SW01264WC	210.00 V	SW01266WC	170.00 V	SW01285WC	120.00 V	200.00
	07/22/91		.		.	SW01388WC	155.00 V	4.60
	08/07/91	SW01473WC	86.00 V	SW01475WC	110.00 V	SW01494WC	98.00 V	200.00
	09/17/91	SW01579WC	209.00 V	SW01581WC	153.00 V	SW01600WC	138.00 V	5.60
	10/17/91		.	SW01687WC	153.00 V		.	5.60
	10/21/91	SW01685WC	194.00 V		.	SW01706WC	108.00 V	5.60

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BARIUM:	01/27/92	SW01807WC	203.00 V	SW01809WC	180.00 V	SW01805WC	129.00 V	5.70
	04/06/92	SW70259WC	188.00 B V	SW70260WC	160.00 V	SW70261WC	144.00 V	200.00
	04/22/92	SW70266WC	184.00 V	SW70267WC	168.00 V	SW70268WC	108.00 V	3.80
	04/23/92		.		.	SW01887WC	107.00 V	3.80
	04/27/92	SW01889WC	168.00 V	SW01891WC	166.00 V		.	3.80
	05/06/92	SW70271WC	187.00 BEJA	SW70272WC	180.00 V	SW70273WC	108.00 V	200.00
	05/20/92	SW70285WC	192.00 V	SW70286WC	176.00 V	SW70287WC	115.00 V	3.80
	06/04/92	SW70290WC	181.00 B V	SW70291WC	150.00 B V	SW70292WC	99.20 B V	200.00
	06/17/92	SW70293WC	169.00 V	SW70294WC	170.00 V	SW70295WC	101.00 V	3.80
	07/02/92	SW70296WC	202.00 V	SW70297WC	169.00 B V	SW70298WC	101.00 B V	200.00
	07/15/92		.	SW70300WC	171.00 B V	SW70301WC	94.00 B V	200.00
	07/29/92	SW70302WC	200.00 V	SW70303WC	175.00 V	SW70304WC	94.80 V	200.00
	08/13/92	SW70305WC	200.00 U	SW70306WC	164.00 V	SW70307WC	102.00 V	200.00
	08/20/92	SW02012WC	166.00 V	SW02013WC	142.00 V	SW02011WC	99.60 V	5.10
	08/26/92	SW70310WC	84.60 V	SW70309WC	127.00 V	SW70308WC	99.20 V	200.00
	09/08/92	SW70314WC	180.00 V	SW70313WC	168.00 V	SW70312WC	113.00 V	200.00
	09/22/92	SW70315WC	163.00 JA	SW70316WC	164.00 JA	SW70317WC	107.00 JA	200.00
	10/07/92	SW70321WC	161.00 V	SW70320WC	160.00 V	SW70319WC	89.40 JA	200.00
	10/21/92	SW70324WC	169.00	SW70323WC	129.00		.	200.00
	11/06/92		.	SW70326WC	160.00	SW70325WC	34.40	200.00
	11/17/92		.	SW70329WC	151.00	SW70328WC	68.80	200.00
	12/03/92		.	SW70332WC	155.00	SW70331WC	76.50	200.00
	12/16/92		.	SW70337WC	164.00	SW70336WC	112.00	200.00
	01/06/93		.	SW70340WC	150.00	SW70339WC	88.00	200.00
	01/13/93	SW70344WC	154.00 B	SW70343WC	188.00 B	SW70342WC	70.00 B	200.00
	01/27/93	SW70347WC	184.00	SW70346WC	147.00	SW70345WC	73.80	6.50
	02/09/93	SW70350WC	211.00	SW70349WC	122.00 B	SW70348WC	84.50 B	40.00

QUALIFIER CODES: U = Analyzed but not detected. B = Reported value is less than CRDL, but greater than IDL.
E = Result is estimated. W = Post-digestion spike out of control limits. * = duplicate analysis outside control limits.
S = Reported value was determined by method of standard additions. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BERYLLIUM:	05/08/91	SW01161WC	1.00 U V	SW01163WC	0.50 U V	SW01182WC	0.50 U V	5.00
	06/20/91	SW01264WC	1.00 U V	SW01266WC	1.00 U V	SW01285WC	1.00 U V	5.00
	07/22/91		.		.	SW01388WC	0.60 U V	0.60
	08/07/91	SW01473WC	1.00 U V	SW01475WC	0.60 U V	SW01494WC	1.00 U V	5.00
	09/17/91	SW01579WC	0.80 U JA	SW01581WC	0.50 U V	SW01600WC	0.90 U JA	0.50
	10/17/91		.	SW01687WC	0.50 U V		.	0.50
	10/21/91	SW01685WC	0.50 U V		.	SW01706WC	0.50 U V	0.50
	01/27/92	SW01807WC	0.80 U V	SW01809WC	1.30 U JA	SW01805WC	1.20 U JA	0.80
	04/06/92	SW70259WC	1.00 U V	SW70260WC	0.60 U V	SW70261WC	0.60 U V	5.00
	04/22/92	SW70266WC	0.60 U V	SW70267WC	0.60 U V	SW70268WC	0.60 U V	0.60
	04/23/92		.		.	SW01887WC	0.60 U V	0.60
	04/27/92	SW01889WC	0.60 U V	SW01891WC	0.60 U V		.	0.60
	05/06/92	SW70271WC	1.00 U V	SW70272WC	0.60 U V	SW70273WC	0.60 U V	5.00
	05/20/92	SW70285WC	0.60 U V	SW70286WC	0.60 U V	SW70287WC	0.60 U V	0.60
	06/04/92	SW70290WC	1.00 U V	SW70291WC	1.00 U V	SW70292WC	1.00 U V	5.00
	06/17/92	SW70293WC	0.60 U JA	SW70294WC	0.60 U JA	SW70295WC	0.60 U JA	0.60
	07/02/92	SW70296WC	2.70 U JA	SW70297WC	1.10 U V	SW70298WC	1.10 U V	5.00
	07/15/92		.	SW70300WC	1.10 U V	SW70301WC	1.10 U V	5.00
	07/29/92	SW70302WC	0.40 U V	SW70303WC	0.40 U V	SW70304WC	0.40 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	0.60 U V	SW70307WC	0.60 U V	5.00
	08/20/92	SW02012WC	0.60 U V	SW02013WC	1.80 U JA	SW02011WC	0.60 U V	0.60
	08/26/92	SW70310WC	0.40 U V	SW70309WC	0.40 U V	SW70308WC	0.40 U V	5.00
	09/08/92	SW70314WC	0.30 U V	SW70313WC	0.30 U V	SW70312WC	0.30 U V	5.00
	09/22/92	SW70315WC	0.30 U JA	SW70316WC	0.30 U JA	SW70317WC	0.30 U JA	5.00
	10/07/92	SW70321WC	0.30 U V	SW70320WC	0.30 U V	SW70319WC	0.30 U JA	5.00
	10/21/92	SW70324WC	0.30 U	SW70323WC	0.30		.	5.00
	11/06/92		.	SW70326WC	0.30 U	SW70325WC	0.30	5.00
	11/17/92		.	SW70329WC	0.30 U	SW70328WC	0.40	5.00

QUALIFIER CODES: U = Analyzed but not detected. B = Reported value is less than CRDL, but greater than IDL.
E = Result is estimated. W = Post-digestion spike out of control limits. * = duplicate analysis outside control limits.
S = Reported value was determined by method of standard additions. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

FORMULAS FOR RADIONUCLIDE RISK CALCULATION

A. Water Ingestion Calculation

Intake = (CW)(IR)(EF)(ED)

CW	=	radionuclide activity in water, pCi/ℓ
IR	=	ingestion rate = condition dependent = 2 ℓ/day, total (EPA, 1991)
EF	=	exposure frequency = 350 days/year (EPA, 1989)
ED	=	exposure duration = 30 yrs (EPA, 1989)

B. Risk Calculation

Oral (Ingestion) Risk = (Intake, pCi)(Slope Factor, pCi^{-1})

Total Risk (LECR-M) = $(DF_i)[(FI_x Risk_x) + (FI_y Risk_y) + (FI_z Risk_z)]$

FI	=	fraction ingested from contaminated source (condition dependent)
x, y, z	=	seep designations
DF_i	=	dilution factor (scenario and condition dependent) = source flow/total B-5 flow

Table A-7. Scenario 1 Water Ingestion Calculations - Radionuclides

Parameter	Unit	Constants
Water Activity Conc. (mean)	pCi/l	
Intake	l/day	2.0
Exposure Frequency	day/yr	350
Exp. Duration	yr	30

Radionuclide	SW-059			SW-061			SW-132	
	Exposure	Risk		Exposure	Risk		Exposure	Risk
Americium-241	7.58E+02	1.82E-07		4.85E+02	1.16E-07		9.06E+02	2.17E-07
Plutonium-239, 240	3.12E+02	7.17E-08		1.76E+02	4.06E-08		9.47E+01	2.18E-08
Tritium	2.38E+06	1.29E-07		3.46E+06	1.87E-07		1.62E+06	8.77E-08
Uranium-total	1.27E+05	0.00E+00		9.21E+04	0.00E+00		1.14E+05	0.00E+00
Uranium-233, 234	7.43E+04	1.19E-06		5.25E+04	8.40E-07		5.87E+04	9.39E-07
Uranium-235	3.10E+03	4.96E-08		2.52E+03	4.03E-08		2.01E+03	3.22E-08
Uranium-238	6.53E+04	1.04E-06		5.06E+04	8.09E-07		5.24E+04	8.38E-07

Radionuclide Risk Summary Based on Mean Water Concentration:

SW-059:

a) Sum of cancer risk = 2.67E-06

SW-061:

a) Sum of cancer risk = 2.03E-06

SW-132:

a) Sum of cancer risk = 2.14E-06

Table A-8. Scenario 1 Condition-Specific Radionuclide Risk Summaries.

Condition	Risk			
	SW-059	SW-061	SW-132	LECR-M
1	2.67E-06	0.00E+00	0.00E+00	2.67E-06
2	0.00E+00	2.03E-06	0.00E+00	2.03E-06
3	0.00E+00	0.00E+00	2.14E-06	2.14E-06
4	1.87E-07	1.89E-06	0.00E+00	2.08E-06
5	0.00E+00	1.50E-06	5.56E-07	2.06E-06
6	1.33E-07	1.42E-06	5.34E-07	2.09E-06
7	4.53E-07	0.00E+00	1.77E-06	2.23E-06

Table A-9. Scenario 2 Water Ingestion Calculations - Radionuclides

Parameter	Unit	Constants
Water Activity Conc. (mean)	pCi/l	
Intake	l/day	2.0
Exposure Frequency	day/yr	350
Exp. Duration	yr	30
Dilution factor:		
Condition 1		0.0081
Condition 2		0.1139
Condition 3		0.0407
Condition 4		0.122
Condition 5		0.1546
Condition 6		0.1627
Condition 7		0.0488

Radionuclide	SW-059		SW-061		SW-132	
	Exposure	Risk	Exposure	Risk	Exposure	Risk
Americium-241	7.58E+02	1.82E-07	4.85E+02	1.16E-07	9.06E+02	2.17E-07
Plutonium-239, 240	3.12E+02	7.17E-08	1.76E+02	4.06E-08	9.47E+01	2.18E-08
Tritium	2.38E+06	1.29E-07	3.46E+06	1.87E-07	1.62E+06	8.77E-08
Uranium-total	1.27E+05	0.00E+00	9.21E+04	0.00E+00	1.14E+05	0.00E+00
Uranium-233, 234	7.43E+04	1.19E-06	5.25E+04	8.40E-07	5.87E+04	9.39E-07
Uranium-235	3.10E+03	4.96E-08	2.52E+03	4.03E-08	2.01E+03	3.22E-08
Uranium-238	6.53E+04	1.04E-06	5.06E+04	8.09E-07	5.24E+04	8.38E-07

Radionuclide Risk Summary Based on Mean Water Concentration:

SW-059 (Condition 1):

a) Sum of cancer risk = 2.16E-08

SW-061 (Condition 2):

a) Sum of cancer risk = 2.32E-07

SW-132 (Condition 3):

a) Sum of cancer risk = 8.70E-08

Table A-10. Scenario 2 Condition-Specific Radionuclide Risk Summaries

Condition	LECR-M
1	2.16E-08
2	2.32E-07
3	8.70E-08
4	2.53E-07
5	3.18E-07
6	3.40E-07
7	8.65E-08

APPENDIX C

SURFACE WATER DATA

APPENDIX C-1

SURFACE WATER RADIOCHEMISTRY DATA

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ZINC:	12/03/92		.	SW70332WC	129.00	SW70331WC	28.40	20.00
	12/16/92		.	SW70337WC	116.00	SW70336WC	25.60	20.00
	01/06/93		.	SW70340WC	90.70	SW70339WC	29.70	20.00
	01/13/93	SW70344WC	144.00	SW70343WC	80.30	SW70342WC	21.30	20.00
	01/27/93	SW70347WC	202.00	SW70346WC	152.00	SW70345WC	26.40	2.40
	02/09/93	SW70350WC	329.00	SW70349WC	109.00	SW70348WC	37.30	4.00

QUALIFIER CODES: U = Analyzed but not detected. B = Reported value is less than CRDL, but greater than IDL.
E = Result is estimated. W = Post-digestion spike out of control limits. * = duplicate analysis outside control limits.
S = Reported value was determined by method of standard additions. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ZINC:	12/03/92		.	SW70332WC	7.50	SW70331WC	17.80	20.00
	12/16/92		.	SW70337WC	8.50	SW70336WC	14.00	20.00
	01/06/93		.	SW70340WC	4.70 U	SW70339WC	52.60	20.00
	01/13/93	SW70344WC	228.00	SW70343WC	33.30	SW70342WC	3.00 U	20.00
	01/27/93	SW70347WC	133.00	SW70346WC	4.80	SW70345WC	8.40	2.40
	02/09/93	SW70350WC	176.00	SW70349WC	49.50	SW70348WC	7.80 B	4.00

QUALIFIER CODES: U = Analyzed but not detected. B = Reported value is less than CRDL, but greater than IDL.
E = Result is estimated. W = Post-digestion spike out of control limits. * = duplicate analysis outside control limits.
S = Reported value was determined by method of standard additions. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

APPENDIX C-3

SURFACE WATER VOLATILE ORGANIC COMPOUNDS DATA

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1,1-TRICHLOROETHANE:	05/08/91	SW01161WC	15.00 V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	13.00	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	7.00 JA	SW01475WC	3.00 J A	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	11.00 V	SW01581WC	2.00 J A	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	11.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	17.00 V	SW01809WC	3.00 J A	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	19.00 V	SW70260WC	6.00 V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	14.00 V	SW70267WC	6.00 V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	11.00 V	SW01891WC	4.00 J A		.	5.00
	05/06/92	SW70271WC	15.00 V	SW70272WC	3.00 J A	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	11.00 JA	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	16.00 V	SW70291WC	3.00 J A	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	17.00 V	SW70294WC	3.00 J A		.	5.00
	07/02/92	SW70296WC	13.00 V	SW70297WC	2.00 J A	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	13.00 V	SW70297WC	2.00 J A	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	2.00 J A	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	12.00 V	SW70303WC	1.00 J A	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	10.00	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	15.00 V	SW02013WC	3.00 J A	SW02011WC	2.00 J A	5.00
	08/26/92	SW70310WC	5.00	SW70309WC	6.00	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	13.00 V	SW70313WC	1.00 J A	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	10.00 V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	4.00 J A		.		.	5.00
	10/07/92	SW70321WC	6.00	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00

QUALIFIER CODES: U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.
E = Concentration exceeds calibration range of instrument. J = Reported value is less than CRDL, but greater than IDL.
D = Identification of an analysis at a secondary dilution factor. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1,1-TRICHLOROETHANE:	10/21/92	SW70324WC	5.00	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	3.00 J	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	1.00 J	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	10.00	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
1,1,2,2-TETRACHLOROETHANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U JA	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00

QUALIFIER CODES: U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.
E = Concentration exceeds calibration range of instrument. J = Reported value is less than CRDL, but greater than IDL.
D = Identification of an analysis at a secondary dilution factor. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1,2,2-TETRACHLOROETHANE:	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	1.00 J A	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
1,1,2-TRICHLOROETHANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1,2-TRICHLOROETHANE:	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
1,1-DICHLOROETHANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1-DICHLOROETHANE:	06/20/91	SW01264WC	4.00 J	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	3.00 J A	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	4.00 J A		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	6.00 V	SW70260WC	2.00 J A	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 JA	SW70267WC	2.00 J A	SW70268WC	0.60 J A	5.00
	04/23/92		.		.	SW01887WC	0.80 J A	5.00
	04/27/92	SW01889WC	4.00 J A	SW01891WC	2.00 J A		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	4.00 J A	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 V	SW70291WC	2.00 J A	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 V	SW70303WC	1.00 J A	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	3.00 J	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	3.00 J A	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	7.00	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 V	SW70313WC	1.00 J A	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	3.00 J A	SW70316WC	1.00 J A	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	2.00 J	SW70320WC	5.00 U	SW70319WC	1.00 J	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1-DICHLOROETHANE:	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	4.00 J	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	2.00 J	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
1,1-DICHLOROETHENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	4.00 J A	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	6.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	7.00 V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	11.00 V	SW70260WC	5.00 U R	SW70261WC	5.00 U R	5.00
	04/22/92	SW70266WC	9.00 V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	7.00 V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	6.00 V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	7.00 V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	11.00 V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	10.00 V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	8.00 V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	8.00 V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,1-DICHLOROETHENE:	07/29/92	SW70302WC	8.00 V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	6.00 V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	9.00 V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	6.00 V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	2.00 J A		.		.	5.00
	10/07/92	SW70321WC	4.00 J	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	3.00 J	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	2.00 J	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	1.00 J	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	4.00 J	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
1,2-DICHLOROETHANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	4.00 J A	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,2-DICHLOROETHANE:	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	1.00 J A	SW70303WC	1.00 J A	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	1.00 J	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	6.00	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
1,2-DICHLOROETHENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	24.00 V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	70.00	SW01266WC	5.00 U	SW01285WC	5.00	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,2-DICHLOROETHENE:	07/12/91		.	SW01369WC	31.00 JA		.	5.00
	07/22/91		.		.	SW01388WC	6.00 JA	5.00
	08/07/91	SW01473WC	27.00 V	SW01475WC	29.00 JA	SW01494WC	5.00 JA	5.00
	09/17/91	SW01579WC	69.00 V	SW01581WC	10.00 V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	8.00 V		.	5.00
	10/21/91	SW01685WC	80.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	110.00 V	SW01809WC	29.00 V	SW01805WC	5.00 V	5.00
	04/06/92	SW70259WC	130.00 JA	SW70260WC	34.00 JA	SW70261WC	4.00 J A	5.00
	04/22/92	SW70266WC	100.00 JA	SW70267WC	33.00 JA	SW70268WC	4.00 J A	5.00
	04/23/92		.		.	SW01887WC	5.00 JA	5.00
	04/27/92	SW01889WC	87.00 JA	SW01891WC	30.00 JA		.	5.00
	05/06/92	SW70271WC	100.00 JA	SW70272WC	5.00 U V	SW70273WC	3.00 J A	5.00
	05/20/92	SW70285WC	55.00 V	SW70286WC	17.00 V	SW70287WC	4.00 J A	5.00
	06/04/92	SW70290WC	110.00 JA	SW70291WC	40.00 JA	SW70292WC	4.00 J A	5.00
	06/17/92	SW70293WC	64.00 V	SW70294WC	20.00 V		.	5.00
	07/02/92	SW70296WC	130.00 V	SW70297WC	61.00 V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	130.00 V	SW70297WC	61.00 V	SW70298WC	5.00 V	5.00
	07/15/92		.	SW70300WC	25.00 V	SW70301WC	6.00 V	5.00
	07/29/92	SW70302WC	96.00 V	SW70303WC	17.00 V	SW70304WC	5.00 V	5.00
	08/13/92	SW70305WC	70.00	SW70306WC	8.00 V	SW70307WC	7.00 V	5.00
	08/20/92	SW02012WC	81.00 V	SW02013WC	16.00 V	SW02011WC	5.00 V	5.00
	08/26/92	SW70310WC	27.00	SW70309WC	120.00	SW70308WC	7.00	5.00
	09/08/92	SW70314WC	110.00 JA	SW70313WC	18.00 JA	SW70312WC	4.00 J A	5.00
	09/22/92	SW70315WC	100.00 JA	SW70316WC	6.00 JA	SW70317WC	3.00 J A	5.00
	09/28/92	FT00443REU2	37.00 V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00	SW70319WC	6.00	5.00
	10/21/92	SW70324WC	41.00	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,2-DICHLOROETHENE:	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	70.00	SW70331WC	5.00	5.00
	12/16/92		.	SW70337WC	27.00	SW70336WC	2.00 J	5.00
	01/06/93		.	SW70340WC	42.00	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	26.00	SW70343WC	9.00	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	61.00	SW70349WC	3.00 J	SW70348WC	5.00 U	5.00
1,2-DICHLOROPROPANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
1,2-DICHLOROPROPANE:	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
2-BUTANONE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U V	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U V	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U R	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
2-BUTANONE:	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	7.00 J A	SW70303WC	14.00 V	SW70304WC	6.00 J A	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	12.00	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
2-HEXANONE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
2-HEXANONE:	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U V	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U JA	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	3.00 J A	SW70303WC	12.00 V	SW70304WC	4.00 J A	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	10.00 U	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
2-HEXANONE:	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
4-METHYL-2-PENTANONE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U V	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U JA	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	5.00 J A	SW70303WC	11.00 V	SW70304WC	3.00 J A	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
4-METHYL-2-PENTANONE:	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	10.00 U R	SW70316WC	10.00 U R	SW70317WC	10.00 U R	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	9.00 JB	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
ACETONE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U R	SW01182WC	10.00 U R	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U JA	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	7.00 JB	SW01581WC	12.00 U JA	SW01600WC	11.00 B	10.00
	10/17/91		.	SW01687WC	47.00 U JA		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U JA	SW01809WC	15.00 U JA	SW01805WC	12.00 U JA	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	3.00 J A	SW70261WC	10.00 U R	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	8.00 J A		.	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ACETONE:	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U JA	SW70273WC	10.00 U JA	10.00
	05/20/92	SW70285WC	43.00 JA	SW70286WC	44.00 JA	SW70287WC	28.00 JA	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	27.00 U JA	SW70294WC	24.00 U JA		.	10.00
	07/02/92	SW70296WC	10.00 U R	SW70297WC	10.00 U V	SW70295WC	16.00 U JA	10.00
	07/02/92	SW70296WC	10.00 U R	SW70297WC	10.00 U V	SW70298WC	10.00 U R	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	10.00 U JA	SW70303WC	15.00 U JA	SW70304WC	10.00 U JA	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U JA	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	50.00 U JA	SW70316WC	37.00 U JA	SW70317WC	24.00 U JA	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	19.00 B	10.00
	10/21/92	SW70324WC	12.00 B	SW70323WC	13.00 B		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	2.00 JB	SW70328WC	6.00 JB	10.00
	12/03/92		.	SW70332WC	14.00 B	SW70331WC	11.00 B	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	17.00 B	10.00
	01/06/93		.	SW70340WC	5.00 JB	SW70339WC	5.00 JB	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
BENZENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BENZENE:	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U JA	SW70267WC	5.00 U JA	SW70268WC	5.00 U JA	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U JA	SW70313WC	5.00 U JA	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BENZENE:	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
BROMODICHLOROMETHANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	0.60 J	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BROMODICHLOROMETHANE:	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
BROMOFORM:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BROMOFORM:	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
BROMOMETHANE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U R	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BROMOMETHANE:	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U V	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	10.00 U V	SW70303WC	10.00 U V	SW70304WC	10.00 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	10.00 U	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
BROMOMETHANE:	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
CARBON DISULFIDE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CARBON DISULFIDE:	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
CARBON TETRACHLORIDE:	05/08/91	SW01161WC	68.00 V	SW01163WC	8.00 V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	140.00	SW01266WC	13.00	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	47.00 JA	SW01475WC	7.00 V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	130.00 V	SW01581WC	5.00 V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	160.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	190.00 V	SW01809WC	6.00 V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	200.00 D V	SW70260WC	14.00 V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	160.00 V	SW70267WC	14.00 V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	140.00 V	SW01891WC	11.00 V		.	5.00
	05/06/92	SW70271WC	150.00 V	SW70272WC	14.00 V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	130.00 JA	SW70286WC	2.00 J A	SW70287WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

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CARBON TETRACHLORIDE:	06/04/92	SW70290WC	150.00 V	SW70291WC	6.00 V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	170.00 V	SW70294WC	9.00 V		.	5.00
	07/02/92	SW70296WC	150.00 V	SW70297WC	4.00 J A	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	150.00 V	SW70297WC	4.00 J A	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	3.00 J A	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	150.00 V	SW70303WC	3.00 J A	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	110.00	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	130.00 V	SW02013WC	1.00 J A	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	16.00	SW70309WC	4.00 J	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	160.00 V	SW70313WC	2.00 J A	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	120.00 V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	41.00 V		.		.	5.00
	10/07/92	SW70321WC	81.00	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	69.00	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	4.00 J	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	6.00	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	9.00	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	49.00	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	140.00	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
CHLOROBENZENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U JA	SW01600WC	5.00 U JA	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHLOROBENZENE:	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U JA	SW70267WC	5.00 U JA	SW70268WC	5.00 U JA	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U JA	SW70313WC	5.00 U JA	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHLOROBENZENE:	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
CHLOROETHANE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U V	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U V	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	10.00 U V	SW70303WC	10.00 U V	SW70304WC	10.00 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHLOROETHANE:	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	10.00 U	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
CHLOROFORM:	05/08/91	SW01161WC	8.00 V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	23.00	SW01266WC	2.00 J	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	6.00 V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	21.00 V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	27.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	34.00 V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	32.00 V	SW70260WC	3.00 J A	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	29.00 V	SW70267WC	2.00 J A	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	25.00 V	SW01891WC	1.00 J A		.	5.00
	05/06/92	SW70271WC	23.00 B V	SW70272WC	1.00 J A	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	25.00 V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	26.00 B V	SW70291WC	5.00 U JA	SW70292WC	5.00 U JA	5.00

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Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHLOROFORM:	06/17/92	SW70293WC	32.00 V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	30.00 V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	30.00 V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	27.00 V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	23.00	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	27.00 V	SW02013WC	1.00 J A	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	31.00 V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	22.00 V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	12.00 V		.		.	5.00
	10/07/92	SW70321WC	16.00	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	14.00	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	0.80 J	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	8.00	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	20.00	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
CHLOROMETHANE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U V	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U V	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHLOROMETHANE:	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	10.00 U V	SW70303WC	10.00 U V	SW70304WC	10.00 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U R	SW70313WC	10.00 U R	SW70312WC	10.00 U R	10.00
	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	10.00 U	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
CHLOROMETHANE:	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
DIBROMOCHLOROMETHANE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
DIBROMOCHLOROMETHANE:	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
ETHYLBENZENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U JA	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U JA	SW70267WC	5.00 U JA	SW70268WC	5.00 U JA	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
ETHYLBENZENE:	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U JA	SW70313WC	5.00 U JA	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
METHYLENE CHLORIDE:	05/08/91	SW01181WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U JA	5.00
	08/07/91	SW01473WC	10.00 U JA	SW01475WC	5.00 U V	SW01494WC	5.00 U JA	5.00
	09/17/91	SW01579WC	7.00 B	SW01581WC	50.00 U JA	SW01600WC	8.00 B	5.00
	10/17/91		.	SW01687WC	13.00 U JA		.	5.00
	10/21/91	SW01685WC	5.00 U JA		.	SW01706WC	5.00 U JA	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
METHYLENE CHLORIDE:	01/27/92	SW01807WC	3.00 J A	SW01809WC	3.00 J A	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	1.00 J A	SW01891WC	1.00 J A		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U JA	SW70273WC	5.00 U JA	5.00
	05/20/92	SW70285WC	5.00 U JA	SW70286WC	5.00 U JA	SW70287WC	5.00 U JA	5.00
	06/04/92	SW70290WC	5.00 U JA	SW70291WC	5.00 U V	SW70292WC	5.00 U JA	5.00
	06/17/92	SW70293WC	9.00 U JA	SW70294WC	9.00 U JA		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	8.00 U JA	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U JA	SW70301WC	5.00 U JA	5.00
	07/29/92	SW70302WC	12.00 U JA	SW70303WC	12.00 U JA	SW70304WC	12.00 U JA	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	10.00 U JA	SW70307WC	10.00 U JA	5.00
	08/20/92	SW02012WC	8.00 U JA	SW02013WC	7.00 U JA	SW02011WC	7.00 U JA	5.00
	08/26/92	SW70310WC	8.00 B	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	3.00 J A	SW70313WC	2.00 J A	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	71.00 U JA	SW70316WC	42.00 U JA	SW70317WC	9.00 U JA	5.00
	09/28/92	FT00443REU2	5.00 U JA		.		.	5.00
	10/07/92	SW70321WC	28.00 B	SW70320WC	36.00 B	SW70319WC	34.00 B	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	4.00 JB	SW70328WC	5.00 B	5.00
	12/03/92		.	SW70332WC	2.00 J	SW70331WC	2.00 J	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	1.00 JB	5.00
	01/06/93		.	SW70340WC	9.00 B	SW70339WC	7.00 B	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	1.00 J	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	1.00 BJ	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
STYRENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U JA	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U JA	SW70267WC	5.00 U JA	SW70268WC	5.00 U JA	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U JA	SW70313WC	5.00 U JA	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
STYRENE:	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
TETRACHLOROETHENE:	05/08/91	SW01161WC	55.00 V	SW01163WC	6.00 V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	76.00	SW01266WC	5.00	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	36.00 V	SW01475WC	5.00 V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	69.00 V	SW01581WC	4.00 J A	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	68.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	99.00 V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	150.00 V	SW70260WC	22.00 V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	120.00 V	SW70267WC	14.00 V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	94.00 V	SW01891WC	10.00 V		.	5.00
	05/06/92	SW70271WC	87.00 V	SW70272WC	9.00 V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	88.00 V	SW70286WC	2.00 J A	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	100.00 V	SW70291WC	5.00 V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	110.00 V	SW70294WC	5.00 V		.	5.00
	07/02/92	SW70296WC	110.00 V	SW70297WC	2.00 J A	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	110.00 V	SW70297WC	2.00 J A	SW70298WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TETRACHLOROETHENE:	07/15/92		.	SW70300WC	2.00 J A	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	83.00 V	SW70303WC	2.00 J A	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	66.00	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	76.00 V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	20.00	SW70309WC	7.00	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	81.00 V	SW70313WC	1.00 J A	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	64.00 V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	25.00 V		.		.	5.00
	10/07/92	SW70321WC	45.00	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	35.00	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	3.00 J	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	1.00 J	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	24.00	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	59.00	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
TOLUENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	7.00 U JA	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TOLUENE:	04/22/92	SW70266WC	5.00 U JA	SW70267WC	5.00 U JA	SW70268WC	5.00 U JA	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U JA	SW70273WC	5.00 U JA	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	2.00 J A	SW02013WC	2.00 J A	SW02011WC	1.00 J A	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U JA	SW70313WC	5.00 U JA	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
TOTAL XYLENES:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TOTAL XYLENES:	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	2.00 J A	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U JA	SW70267WC	5.00 U JA	SW70268WC	5.00 U JA	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U JA	SW70313WC	5.00 U JA	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TOTAL XYLENES:	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
TRICHLOROETHENE:	05/08/91	SW01161WC	39.00 V	SW01163WC	7.00 V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	69.00	SW01266WC	7.00	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	4.00 A		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	25.00 V	SW01475WC	5.00 V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	79.00 V	SW01581WC	2.00 J A	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	61.00 V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	110.00 V	SW01809WC	3.00 J A	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	170.00 V	SW70260WC	32.00 JA	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	110.00 V	SW70267WC	20.00 V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	1.00 J A	5.00
	04/27/92	SW01889WC	90.00 V	SW01891WC	15.00 V		.	5.00
	05/06/92	SW70271WC	110.00 V	SW70272WC	7.00 V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	110.00 V	SW70286WC	4.00 J A	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	140.00 V	SW70291WC	6.00 V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	140.00 V	SW70294WC	6.00 V		.	5.00
	07/02/92	SW70296WC	130.00 V	SW70297WC	2.00 J A	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	130.00 V	SW70297WC	2.00 J A	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	2.00 J A	SW70301WC	5.00 U V	5.00

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Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
TRICHLOROETHENE:	07/29/92	SW70302WC	120.00 V	SW70303WC	3.00 J A	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	87.00	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	95.00 V	SW02013WC	2.00 J A	SW02011WC	2.00 J A	5.00
	08/26/92	SW70310WC	18.00	SW70309WC	7.00	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	110.00 V	SW70313WC	2.00 J A	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	78.00 V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	34.00 V		.		.	5.00
	10/07/92	SW70321WC	53.00	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	42.00	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	2.00 J	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	27.00	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	83.00	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
VINYL ACETATE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00
	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U R	SW01475WC	10.00 U V	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	10.00 U V	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	10.00 U V	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	10.00 U V	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	10.00 U V	SW70268WC	10.00 U V	10.00

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VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
VINYL ACETATE:	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	10.00 U V		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	10.00 U V	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U v	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	10.00 U V	SW70294WC	10.00 U V		.	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	10.00 U V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	10.00 U V	SW70303WC	10.00 U V	SW70304WC	10.00 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	10.00 U V	SW02013WC	10.00 U V	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	10.00 U	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	10.00 U V	SW70313WC	10.00 U V	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	10.00 U	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00
	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	10.00 U	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	10.00 U	SW70336WC	10.00 U	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	10.00 U	SW70348WC	10.00 U	10.00
VINYL CHLORIDE:	05/08/91	SW01161WC	10.00 U V	SW01163WC	10.00 U V	SW01182WC	10.00 U V	10.00
	06/20/91	SW01264WC	10.00 U	SW01266WC	10.00 U	SW01285WC	10.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
VINYL CHLORIDE:	07/12/91		.	SW01369WC	10.00 U V		.	10.00
	07/22/91		.		.	SW01388WC	10.00 U V	10.00
	08/07/91	SW01473WC	10.00 U V	SW01475WC	8.00 J A	SW01494WC	10.00 U V	10.00
	09/17/91	SW01579WC	10.00 U V	SW01581WC	5.00 J A	SW01600WC	10.00 U JA	10.00
	10/17/91		.	SW01687WC	10.00 U V		.	10.00
	10/21/91	SW01685WC	10.00 U V		.	SW01706WC	10.00 U V	10.00
	01/27/92	SW01807WC	10.00 U V	SW01809WC	6.00 J A	SW01805WC	10.00 U V	10.00
	04/06/92	SW70259WC	10.00 U V	SW70260WC	2.00 J A	SW70261WC	10.00 U V	10.00
	04/22/92	SW70266WC	10.00 U V	SW70267WC	2.00 J A	SW70268WC	10.00 U V	10.00
	04/23/92		.		.	SW01887WC	10.00 U V	10.00
	04/27/92	SW01889WC	10.00 U V	SW01891WC	2.00 J A		.	10.00
	05/06/92	SW70271WC	10.00 U V	SW70272WC	10.00 U V	SW70273WC	1.00 J A	10.00
	05/20/92	SW70285WC	10.00 U V	SW70286WC	10.00 U V	SW70287WC	10.00 U V	10.00
	06/04/92	SW70290WC	10.00 U V	SW70291WC	10.00 U V	SW70292WC	10.00 U V	10.00
	06/17/92	SW70293WC	7.00 J A	SW70294WC	7.00 J A		.	10.00
	07/02/92	SW70296WC	14.00 V	SW70297WC	10.00 U V	SW70295WC	10.00 U V	10.00
	07/02/92	SW70296WC	14.00 V	SW70297WC	10.00 U V	SW70298WC	10.00 U V	10.00
	07/15/92		.	SW70300WC	10.00 U V	SW70301WC	10.00 U V	10.00
	07/29/92	SW70302WC	2.00 J A	SW70303WC	4.00 J A	SW70304WC	10.00 U V	10.00
	08/13/92	SW70305WC	10.00 U	SW70306WC	10.00 U V	SW70307WC	10.00 U V	10.00
	08/20/92	SW02012WC	3.00 J A	SW02013WC	3.00 J A	SW02011WC	10.00 U V	10.00
	08/26/92	SW70310WC	10.00 U	SW70309WC	37.00	SW70308WC	10.00 U	10.00
	09/08/92	SW70314WC	3.00 J A	SW70313WC	6.00 J A	SW70312WC	10.00 U V	10.00
	09/22/92	SW70315WC	10.00 U V	SW70316WC	10.00 U V	SW70317WC	10.00 U V	10.00
	09/28/92	FT00443REU2	10.00 U V		.		.	10.00
	10/07/92	SW70321WC	10.00 U	SW70320WC	10.00 U	SW70319WC	10.00 U	10.00
	10/21/92	SW70324WC	10.00 U	SW70323WC	10.00 U		.	10.00
	11/06/92		.	SW70326WC	10.00 U	SW70325WC	10.00 U	10.00

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E = Concentration exceeds calibration range of instrument. J = Reported value is less than CRDL, but greater than IDL.
D = Identification of an analysis at a secondary dilution factor. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
VINYL CHLORIDE:	11/17/92		.	SW70329WC	10.00 U	SW70328WC	10.00 U	10.00
	12/03/92		.	SW70332WC	17.00	SW70331WC	10.00 U	10.00
	12/16/92		.	SW70337WC	6.00 J	SW70336WC	2.00 J	10.00
	01/06/93		.	SW70340WC	10.00 U	SW70339WC	10.00 U	10.00
	01/13/93	SW70344WC	10.00 U	SW70343WC	10.00 U	SW70342WC	10.00 U	10.00
	02/09/93	SW70350WC	10.00 U	SW70349WC	1.00 J	SW70348WC	10.00 U	10.00
cis-1,3-DICHLOROPROPENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00
	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00

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E = Concentration exceeds calibration range of instrument. J = Reported value is less than CRDL, but greater than IDL.
D = Identification of an analysis at a secondary dilution factor. GENERAL CODES: . = Missing.
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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
cis-1,3-DICHLOROPROPENE:	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	[illegible]315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	[illegible]43REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00
trans-1,3-DICHLOROPROPENE:	05/08/91	SW01161WC	5.00 U V	SW01163WC	5.00 U V	SW01182WC	5.00 U V	5.00
	06/20/91	SW01264WC	5.00 U	SW01266WC	5.00 U	SW01285WC	5.00 U	5.00
	07/12/91		.	SW01369WC	5.00 U V		.	5.00
	07/22/91		.		.	SW01388WC	5.00 U V	5.00
	08/07/91	SW01473WC	5.00 U V	SW01475WC	5.00 U V	SW01494WC	5.00 U V	5.00
	09/17/91	SW01579WC	5.00 U V	SW01581WC	5.00 U V	SW01600WC	5.00 U JA	5.00
	10/17/91		.	SW01687WC	5.00 U V		.	5.00
	10/21/91	SW01685WC	5.00 U V		.	SW01706WC	5.00 U V	5.00
	01/27/92	SW01807WC	5.00 U V	SW01809WC	5.00 U V	SW01805WC	5.00 U V	5.00
	04/06/92	SW70259WC	5.00 U V	SW70260WC	5.00 U V	SW70261WC	5.00 U V	5.00
	04/22/92	SW70266WC	5.00 U V	SW70267WC	5.00 U V	SW70268WC	5.00 U V	5.00
	04/23/92		.		.	SW01887WC	5.00 U V	5.00

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OPERABLE UNIT NO. 2 IM/IRA
Upstream Surface Water

CLP Volatiles
(Concentration Units ug/L)

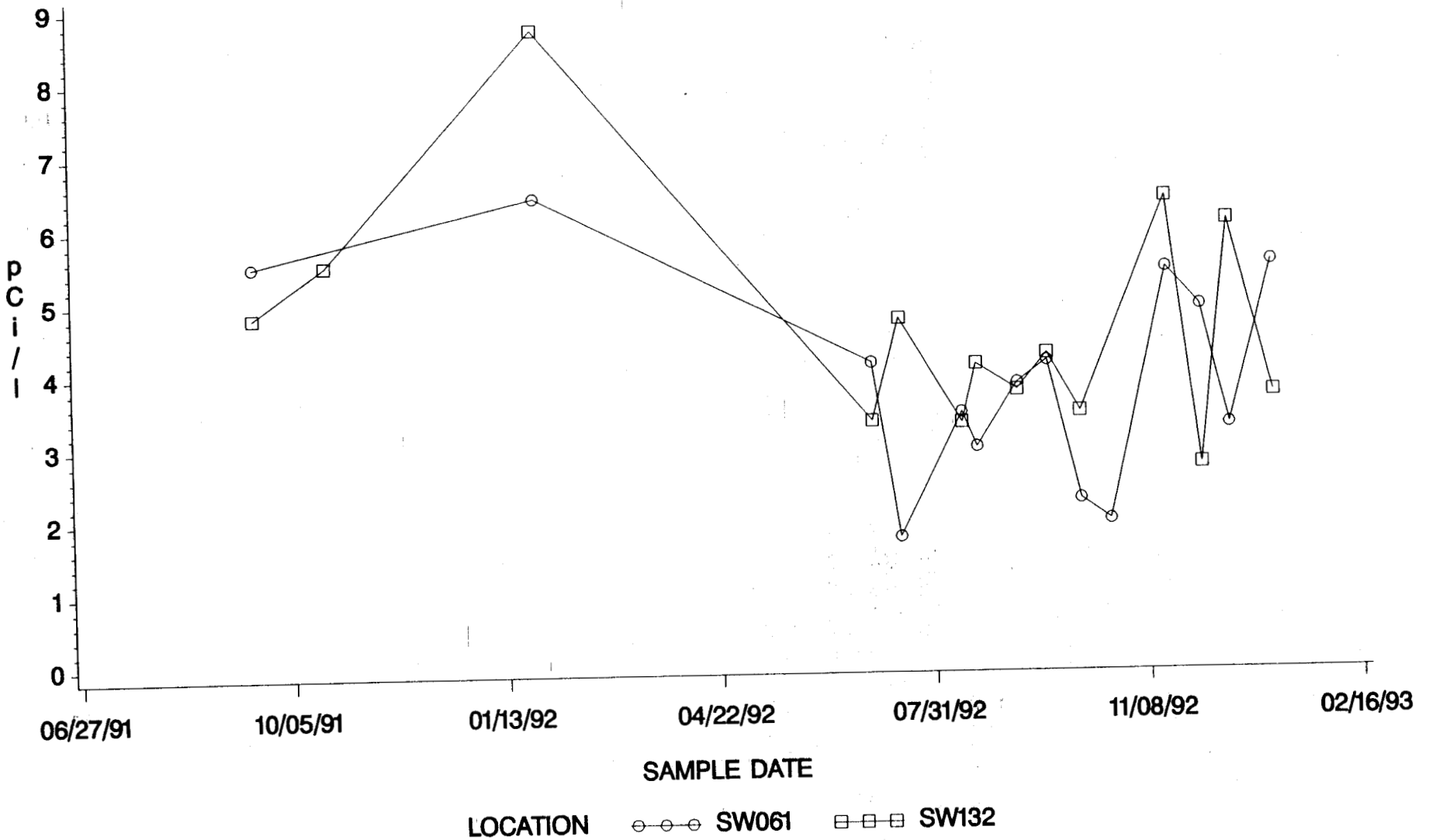
ANALYTE	SAMPLE DATE	STATION SW059 SAMPLE NUMBER	STATION SW059 CONCENTRATION	STATION SW061 SAMPLE NUMBER	STATION SW061 CONCENTRATION	STATION SW132 SAMPLE NUMBER	STATION SW132 CONCENTRATION	DETECTION LIMIT
trans-1,3-DICHLOROPROPENE:	04/27/92	SW01889WC	5.00 U V	SW01891WC	5.00 U V		.	5.00
	05/06/92	SW70271WC	5.00 U V	SW70272WC	5.00 U V	SW70273WC	5.00 U V	5.00
	05/20/92	SW70285WC	5.00 U V	SW70286WC	5.00 U V	SW70287WC	5.00 U V	5.00
	06/04/92	SW70290WC	5.00 U V	SW70291WC	5.00 U V	SW70292WC	5.00 U V	5.00
	06/17/92	SW70293WC	5.00 U V	SW70294WC	5.00 U V		.	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70295WC	5.00 U V	5.00
	07/02/92	SW70296WC	5.00 U V	SW70297WC	5.00 U V	SW70298WC	5.00 U V	5.00
	07/15/92		.	SW70300WC	5.00 U V	SW70301WC	5.00 U V	5.00
	07/29/92	SW70302WC	5.00 U V	SW70303WC	5.00 U V	SW70304WC	5.00 U V	5.00
	08/13/92	SW70305WC	5.00 U	SW70306WC	5.00 U V	SW70307WC	5.00 U V	5.00
	08/20/92	SW02012WC	5.00 U V	SW02013WC	5.00 U V	SW02011WC	5.00 U V	5.00
	08/26/92	SW70310WC	5.00 U	SW70309WC	5.00 U	SW70308WC	5.00 U	5.00
	09/08/92	SW70314WC	5.00 U V	SW70313WC	5.00 U V	SW70312WC	5.00 U V	5.00
	09/22/92	SW70315WC	5.00 U V	SW70316WC	5.00 U V	SW70317WC	5.00 U V	5.00
	09/28/92	FT00443REU2	5.00 U V		.		.	5.00
	10/07/92	SW70321WC	5.00 U	SW70320WC	5.00 U	SW70319WC	5.00 U	5.00
	10/21/92	SW70324WC	5.00 U	SW70323WC	5.00 U		.	5.00
	11/06/92		.	SW70326WC	5.00 U	SW70325WC	5.00 U	5.00
	11/17/92		.	SW70329WC	5.00 U	SW70328WC	5.00 U	5.00
	12/03/92		.	SW70332WC	5.00 U	SW70331WC	5.00 U	5.00
	12/16/92		.	SW70337WC	5.00 U	SW70336WC	5.00 U	5.00
	01/06/93		.	SW70340WC	5.00 U	SW70339WC	5.00 U	5.00
	01/13/93	SW70344WC	5.00 U	SW70343WC	5.00 U	SW70342WC	5.00 U	5.00
	02/09/93	SW70350WC	5.00 U	SW70349WC	5.00 U	SW70348WC	5.00 U	5.00

QUALIFIER CODES: U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.
E = Concentration exceeds calibration range of instrument. J = Reported value is less than CRDL, but greater than IDL.
D = Identification of an analysis at a secondary dilution factor. GENERAL CODES: . = Missing.
VALIDATION CODES: V = Valid. A = Acceptable. R = Rejected. J = Associated numerical value is an estimated value.

APPENDIX D

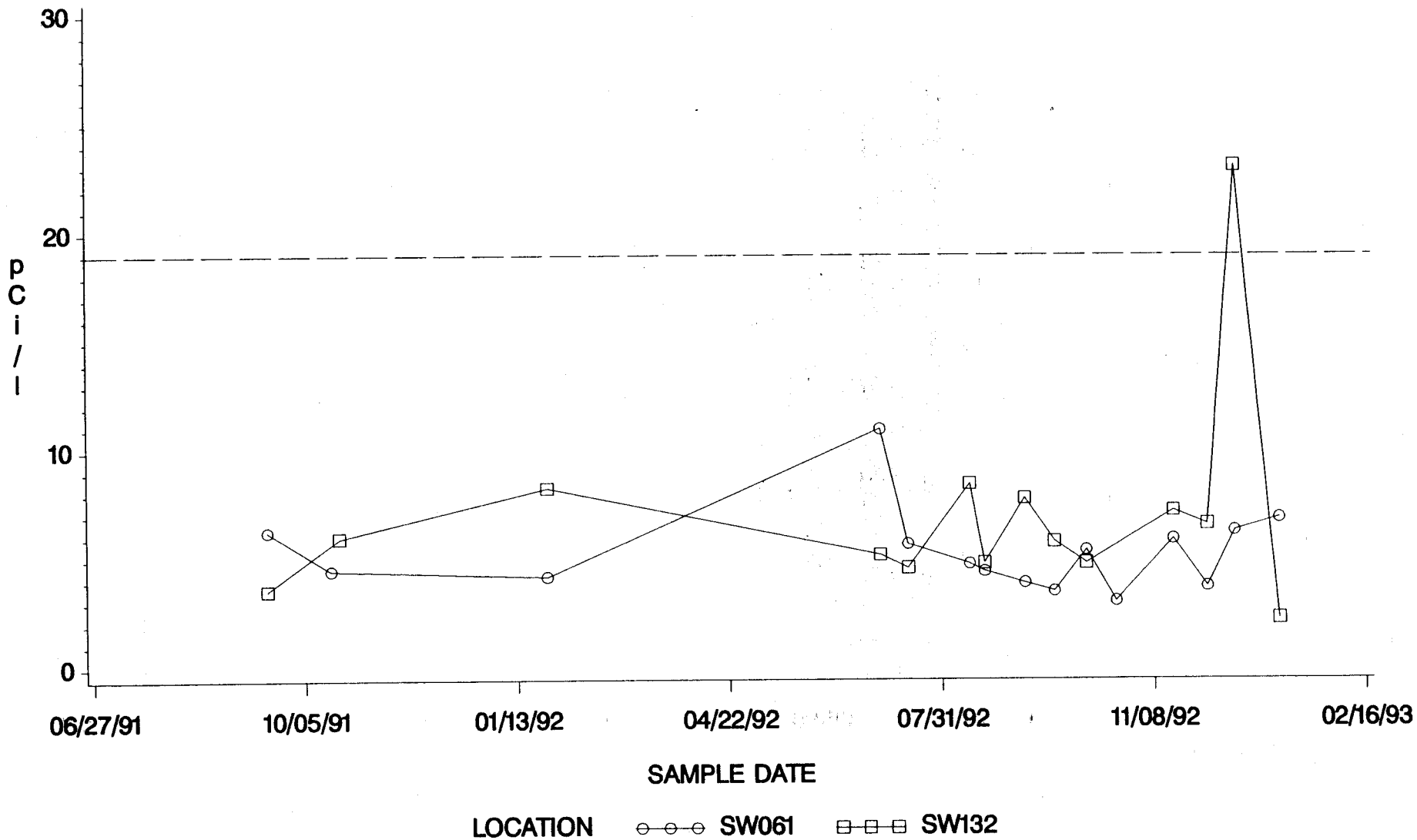
PLOTS OF CONCENTRATION VS. TIME FOR POTENTIAL SURFACE WATER CONTAMINANTS WITH ARARs

STATIONS SW-61 AND SW-132



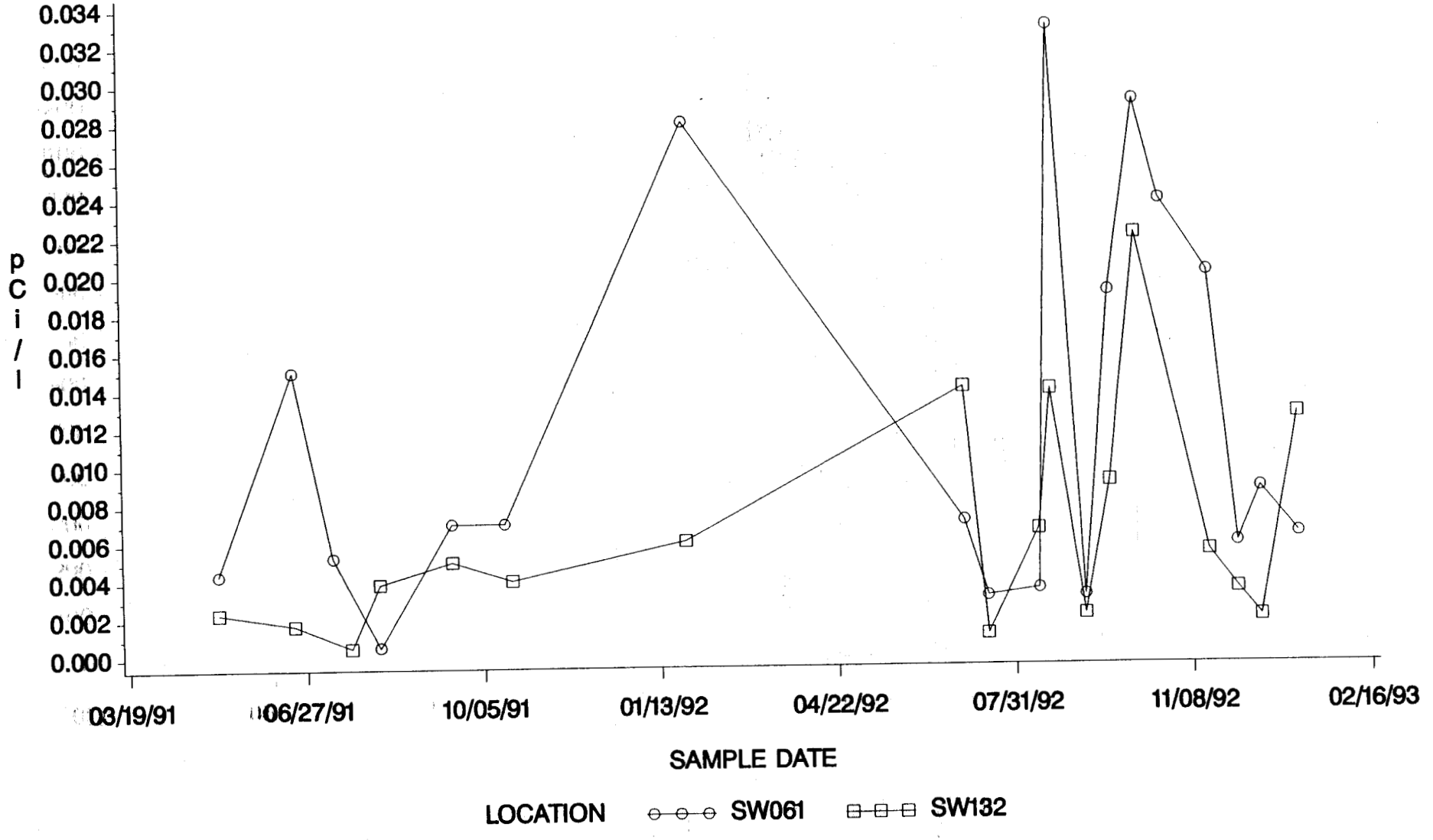
Gross Alpha Concentrations at Surface Water Stations SW061 and SW132
Total Radiochemistry

ARAR Value is: 11 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Gross Beta Concentrations at Surface Water Stations SW061 and SW132
Total Radiochemistry

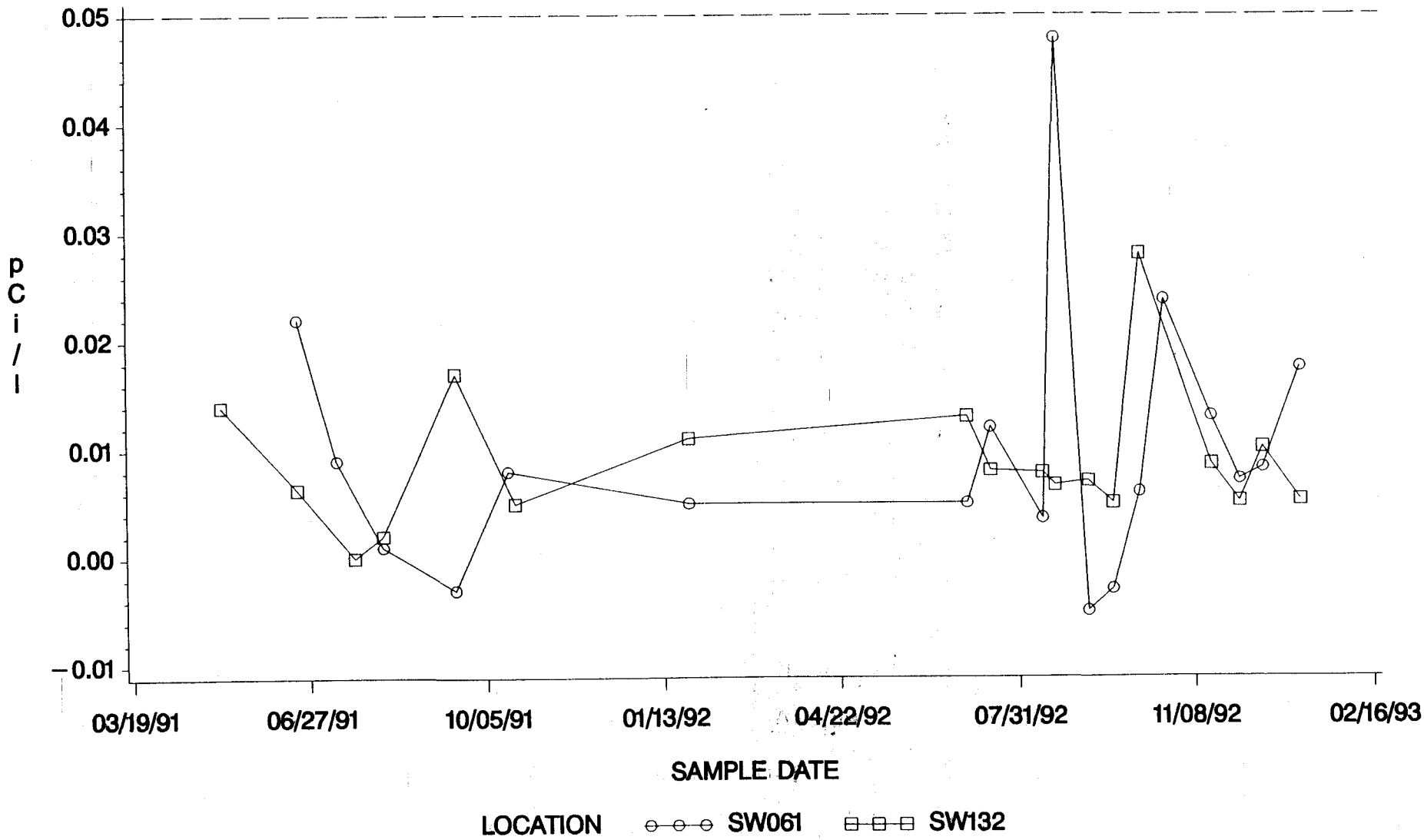
ARAR Value is: 19 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Plutonium 239/240 Concentrations at Surface Water Stations SW061 and SW132
Total Radiochemistry

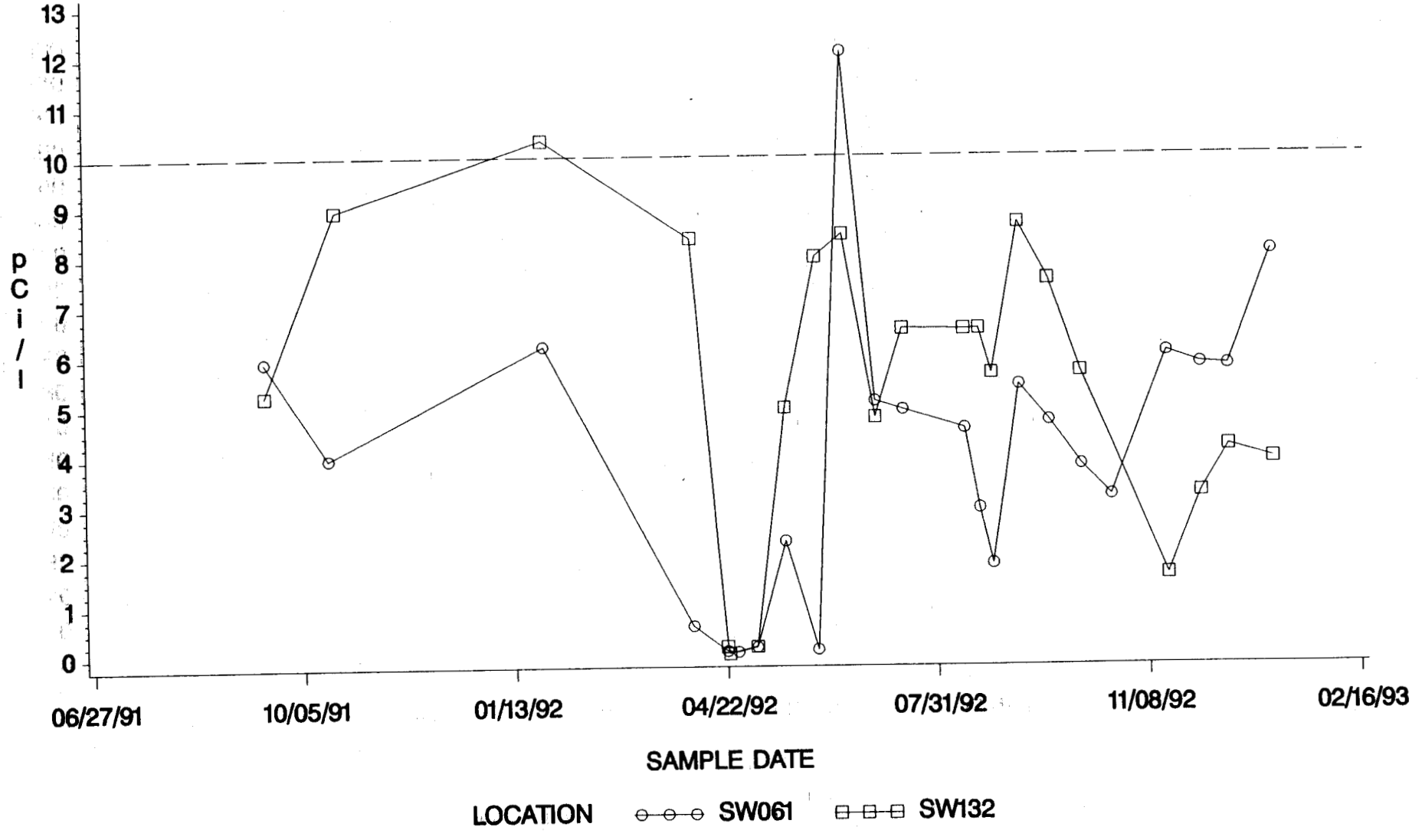
ARAR Value is: 0.05 (Dashed Vertical Reference Line.)

Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



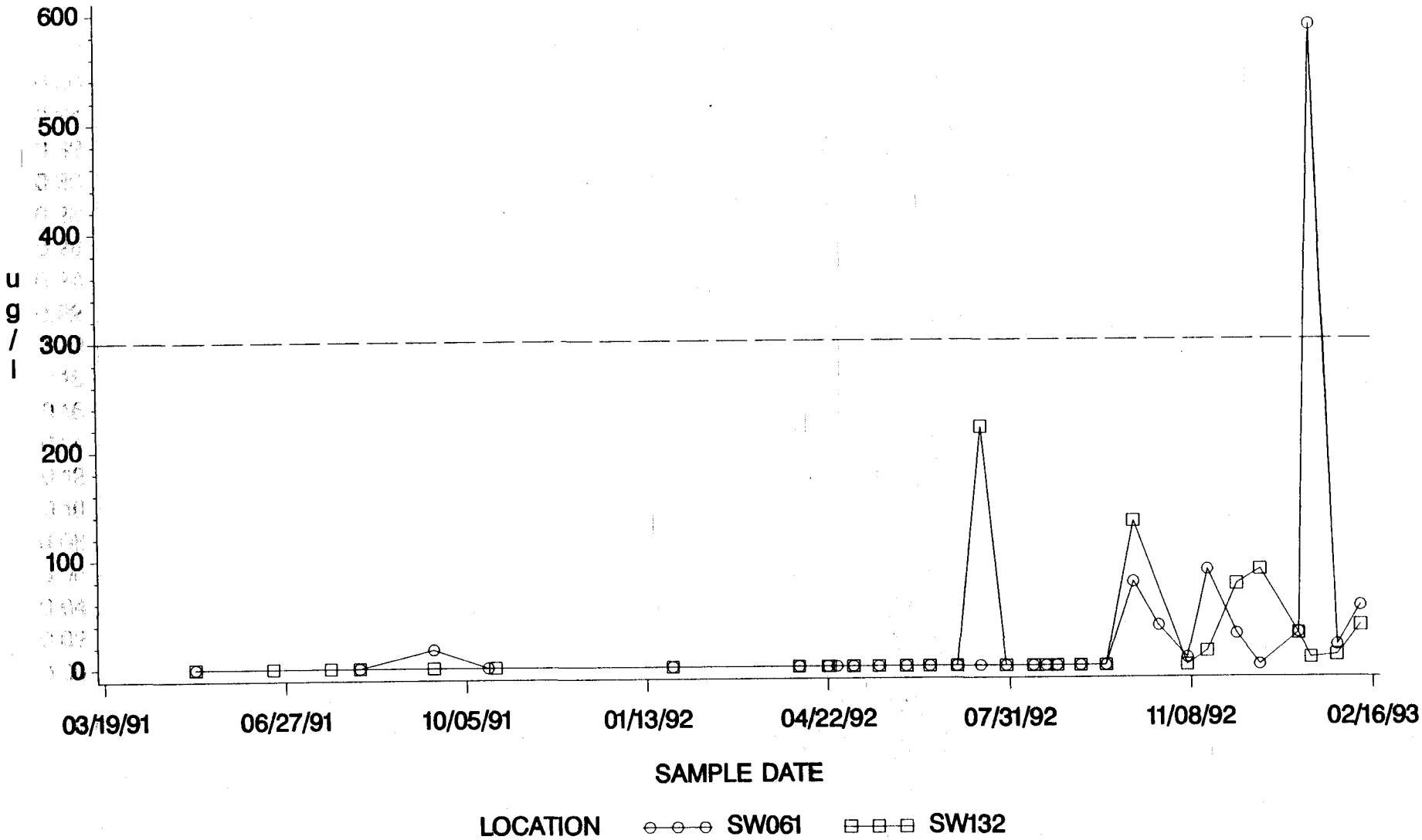
Americium 241 Concentrations at Surface Water Stations SW061 and SW132
Total Radiochemistry

ARAR Value is: 0.05 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Total Uranium Concentrations at Surface Water Stations SW061 and SW132
Total Radiochemistry

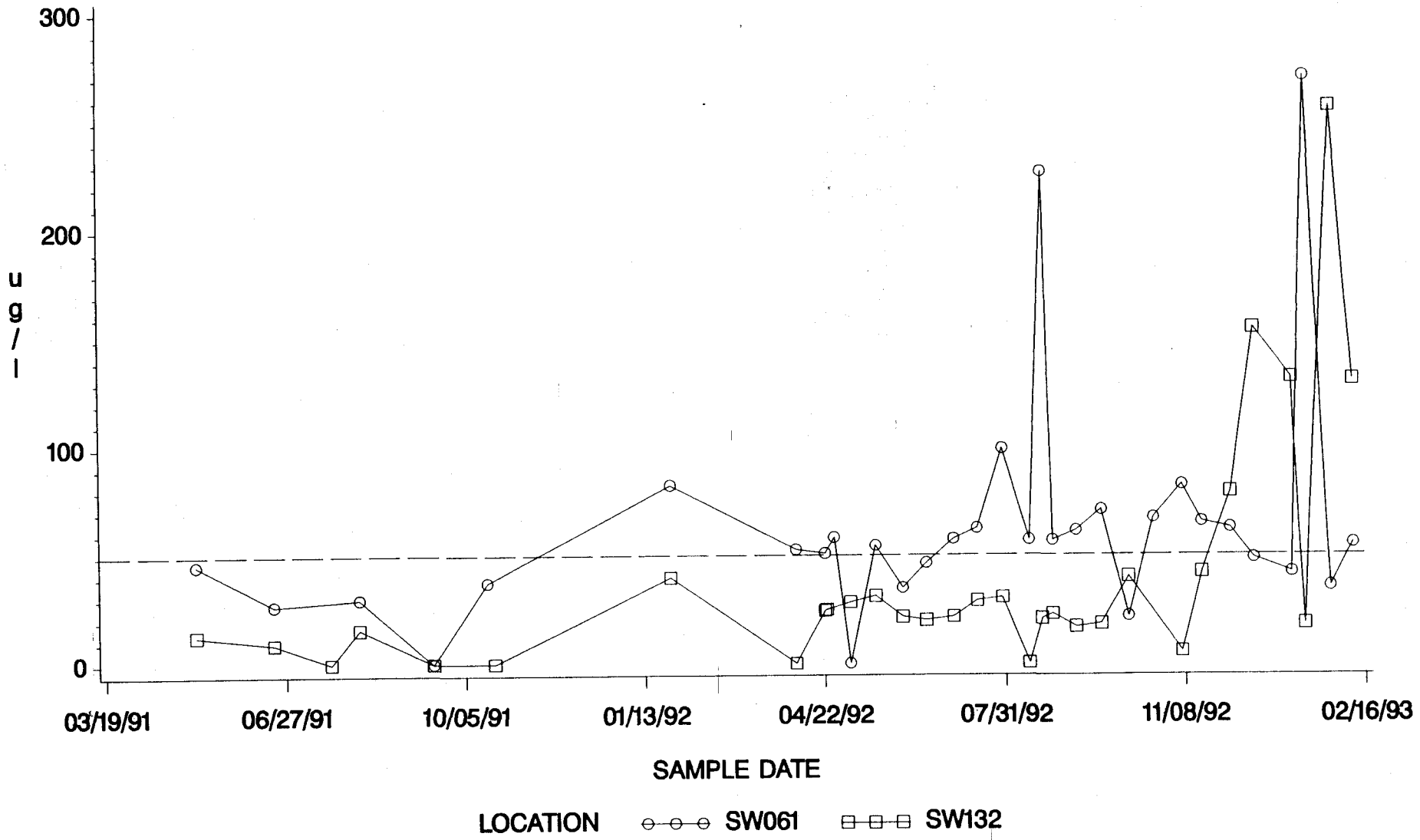
ARAR Value is: 10 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Iron Concentrations at Surface Water Stations SW061 and SW132
Dissolved Metals

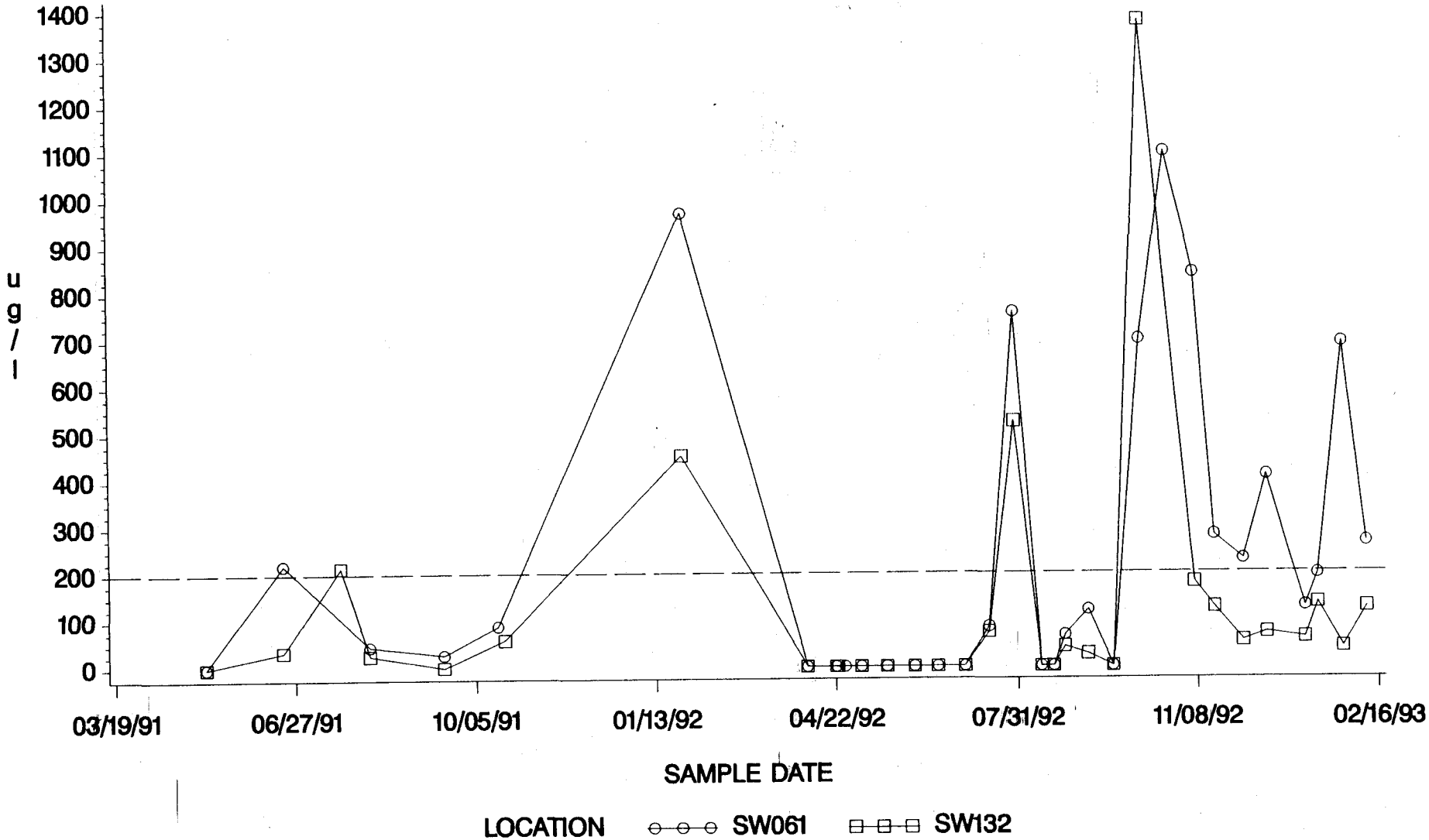
ARAR Value is: 300 (Dashed Vertical Reference Line.)

Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



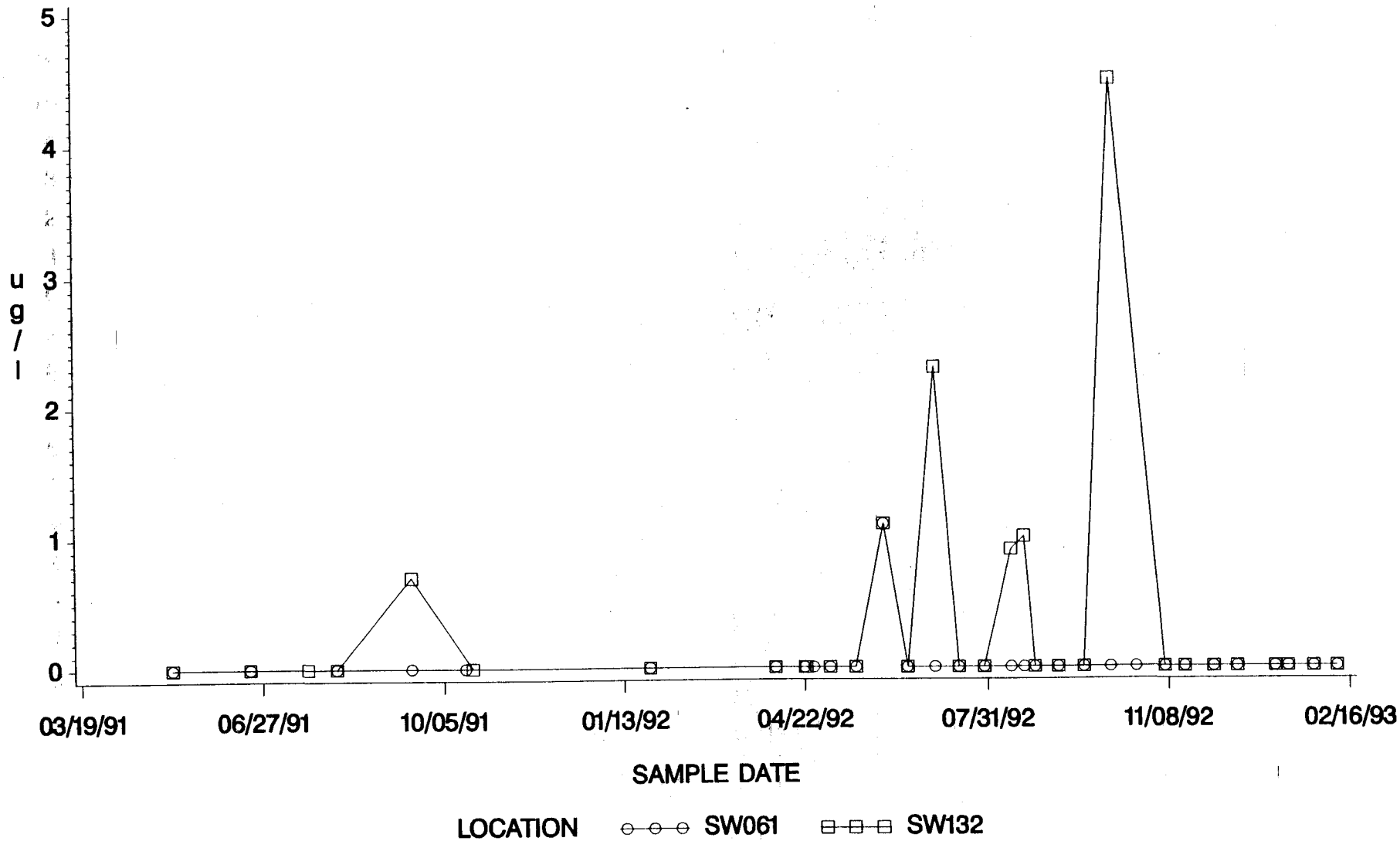
Manganese Concentrations at Surface Water Stations SW061 and SW132
Dissolved Metals

ARAR Value is: 50 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



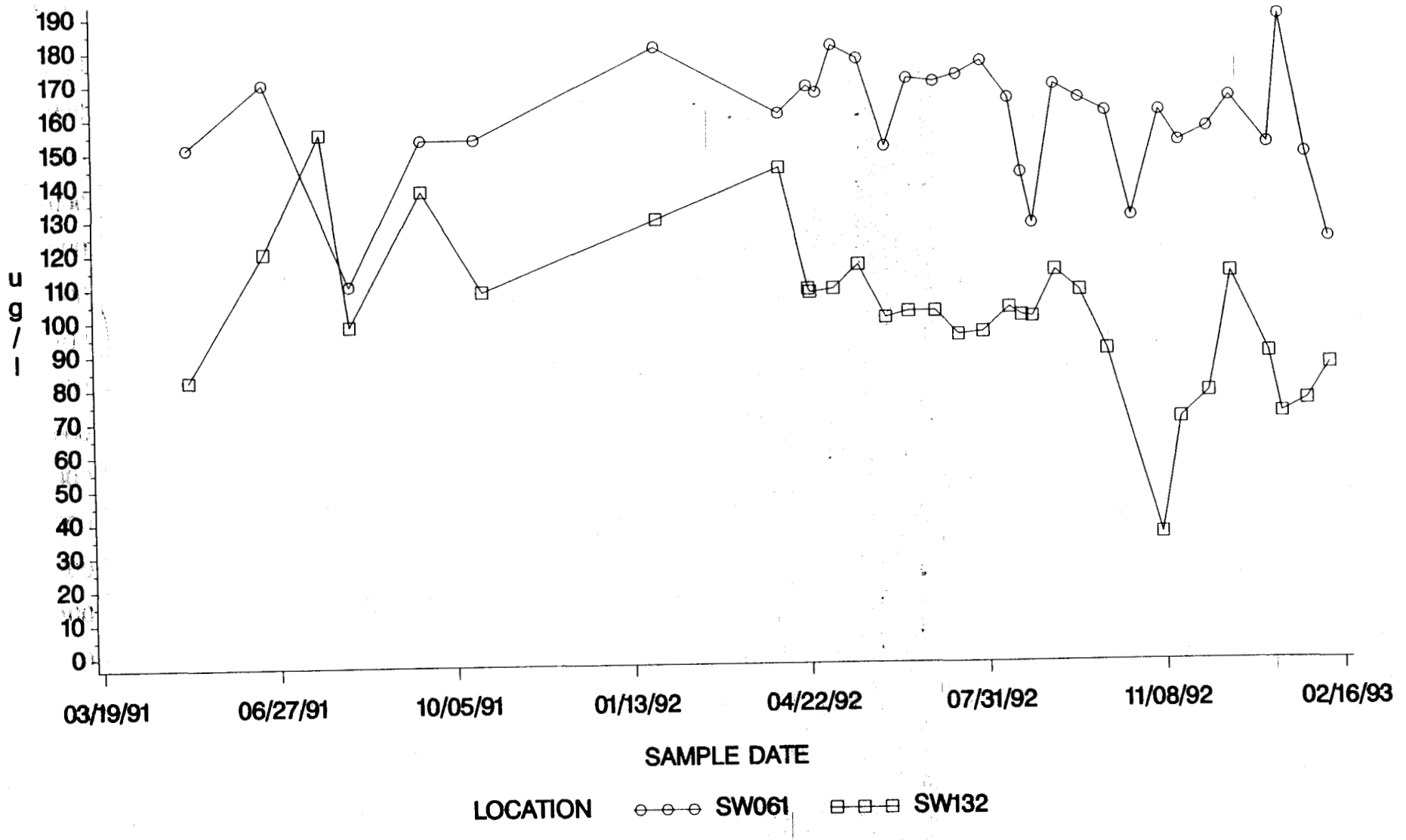
Aluminum Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 200 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



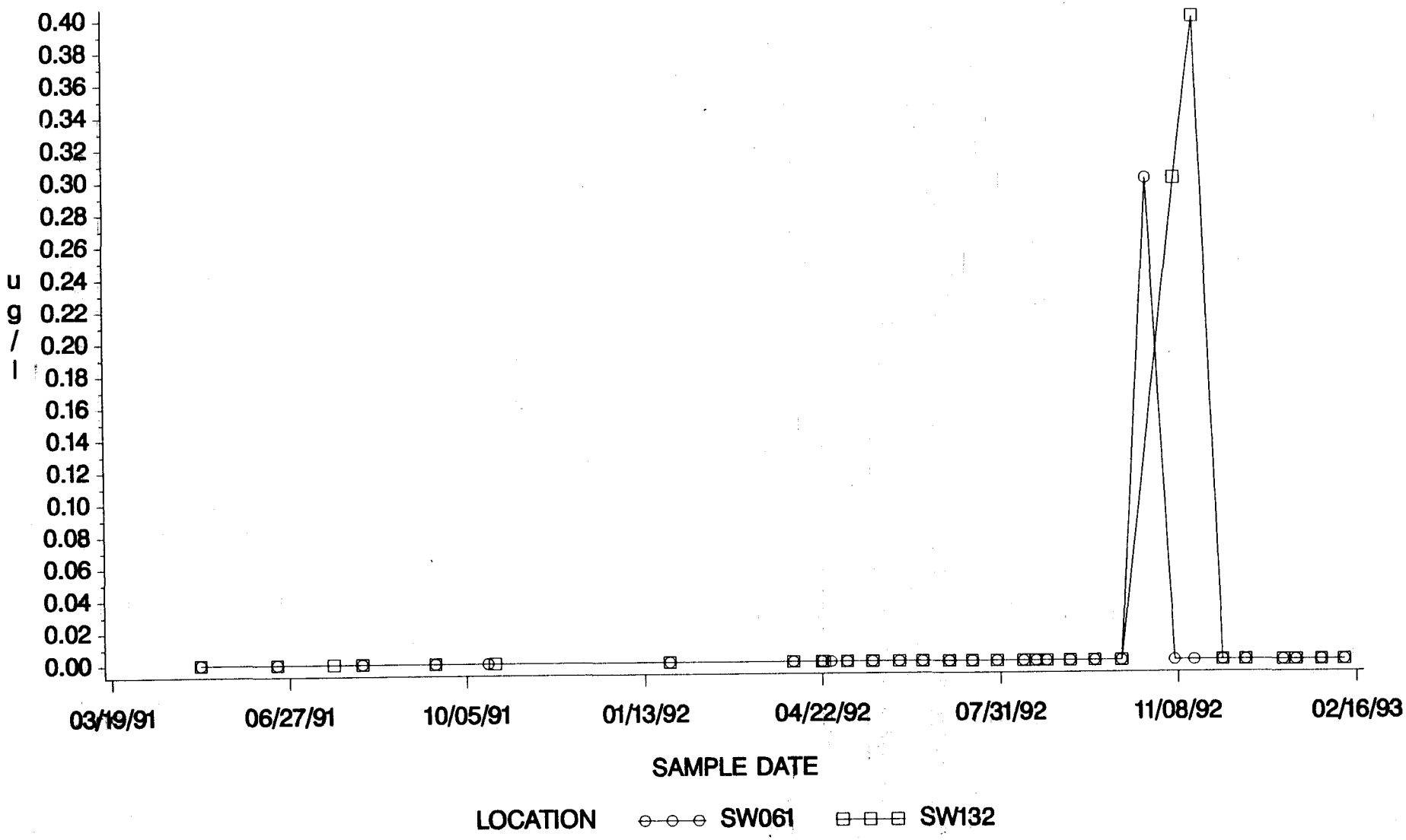
Arsenic Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 50 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



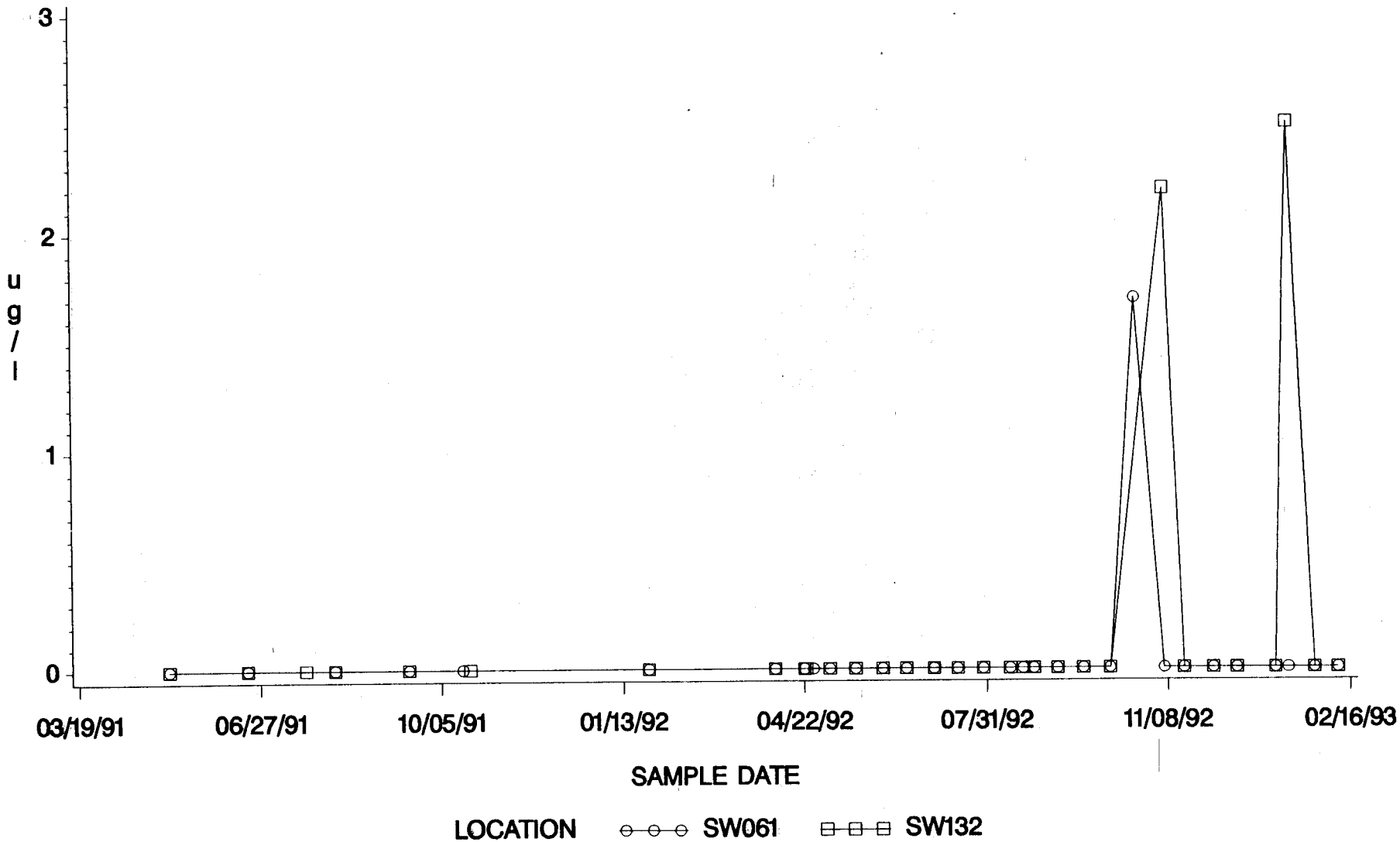
Barium Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 1000 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



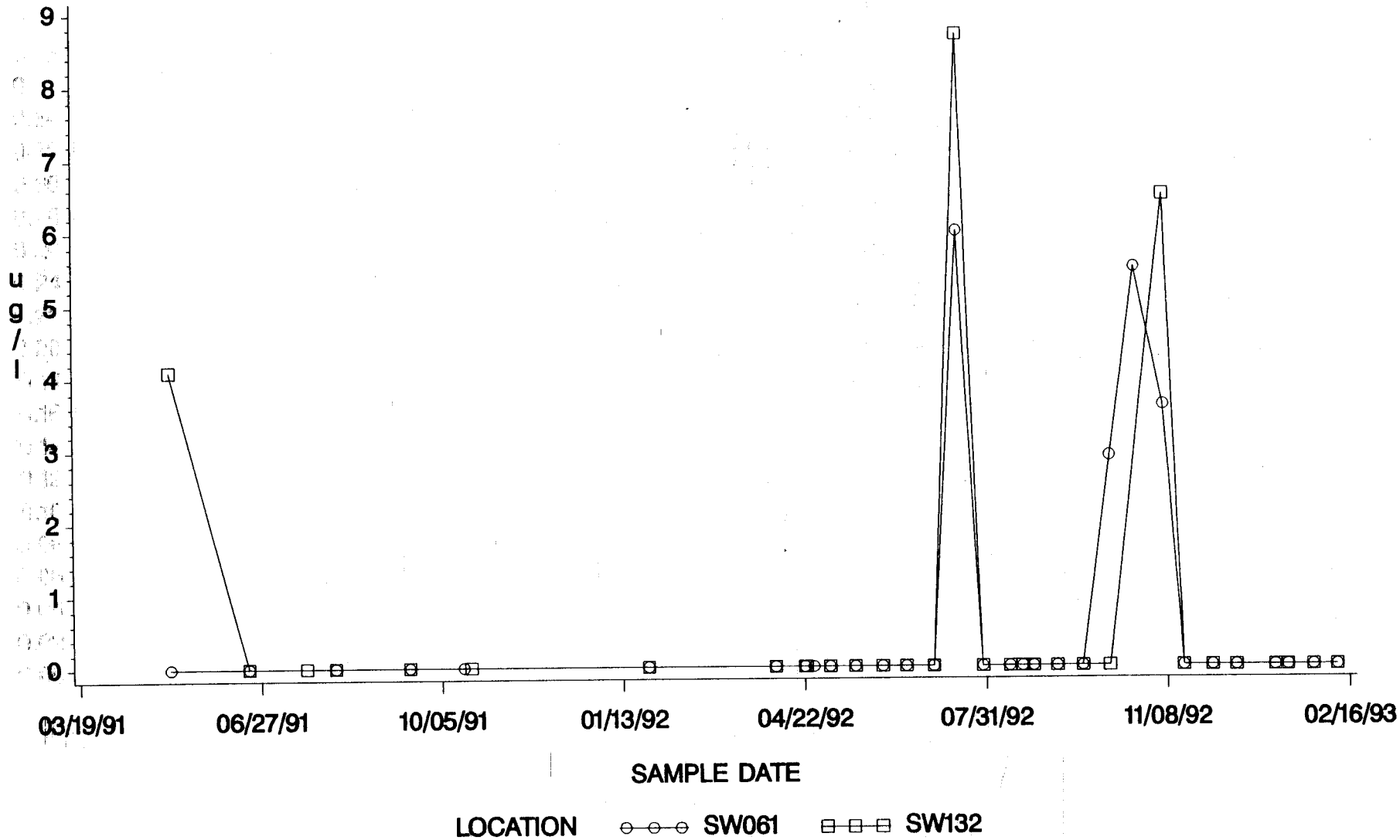
Beryllium Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 100 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



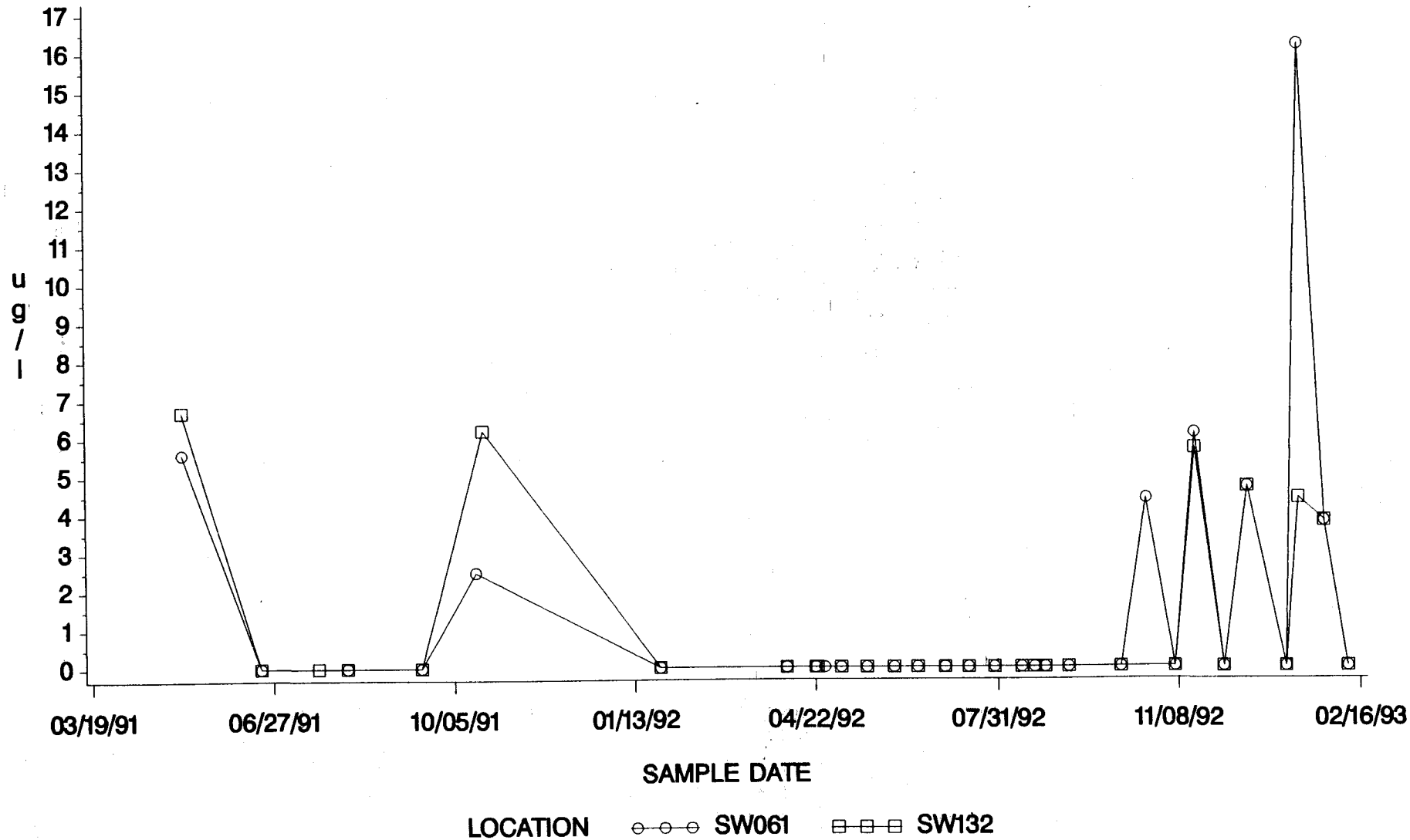
Cadmium Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 5 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



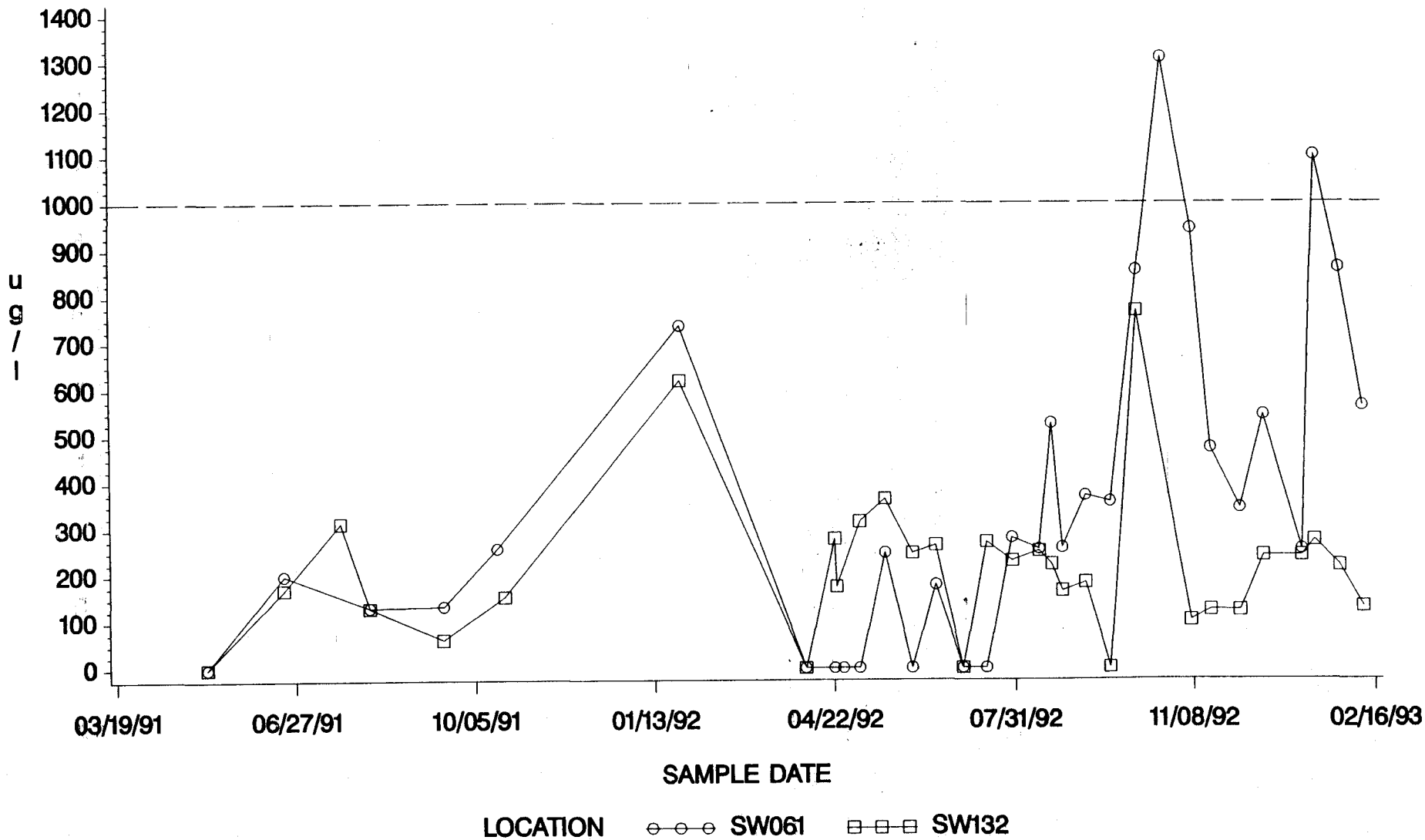
Chromium Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 10 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



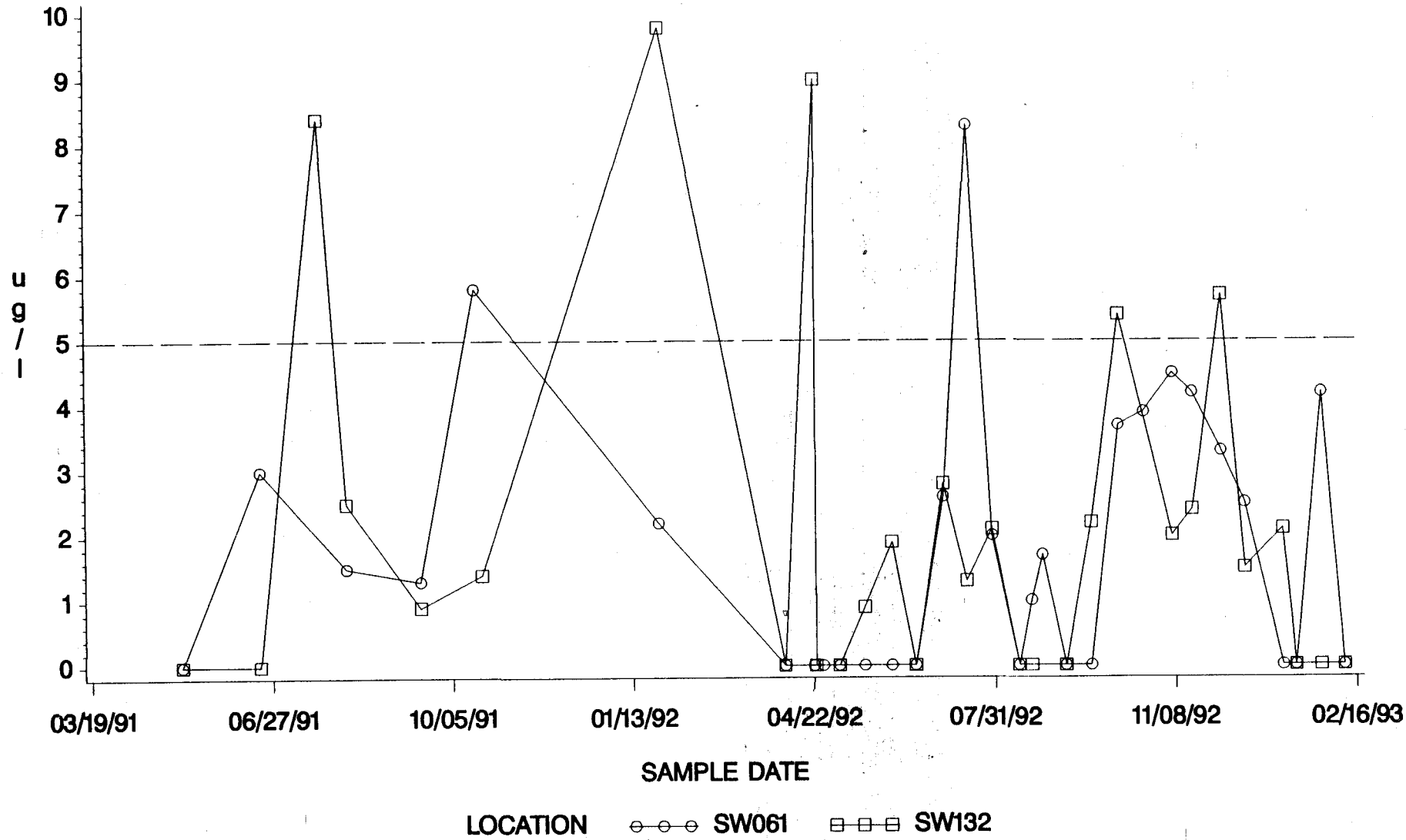
Copper Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 25 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



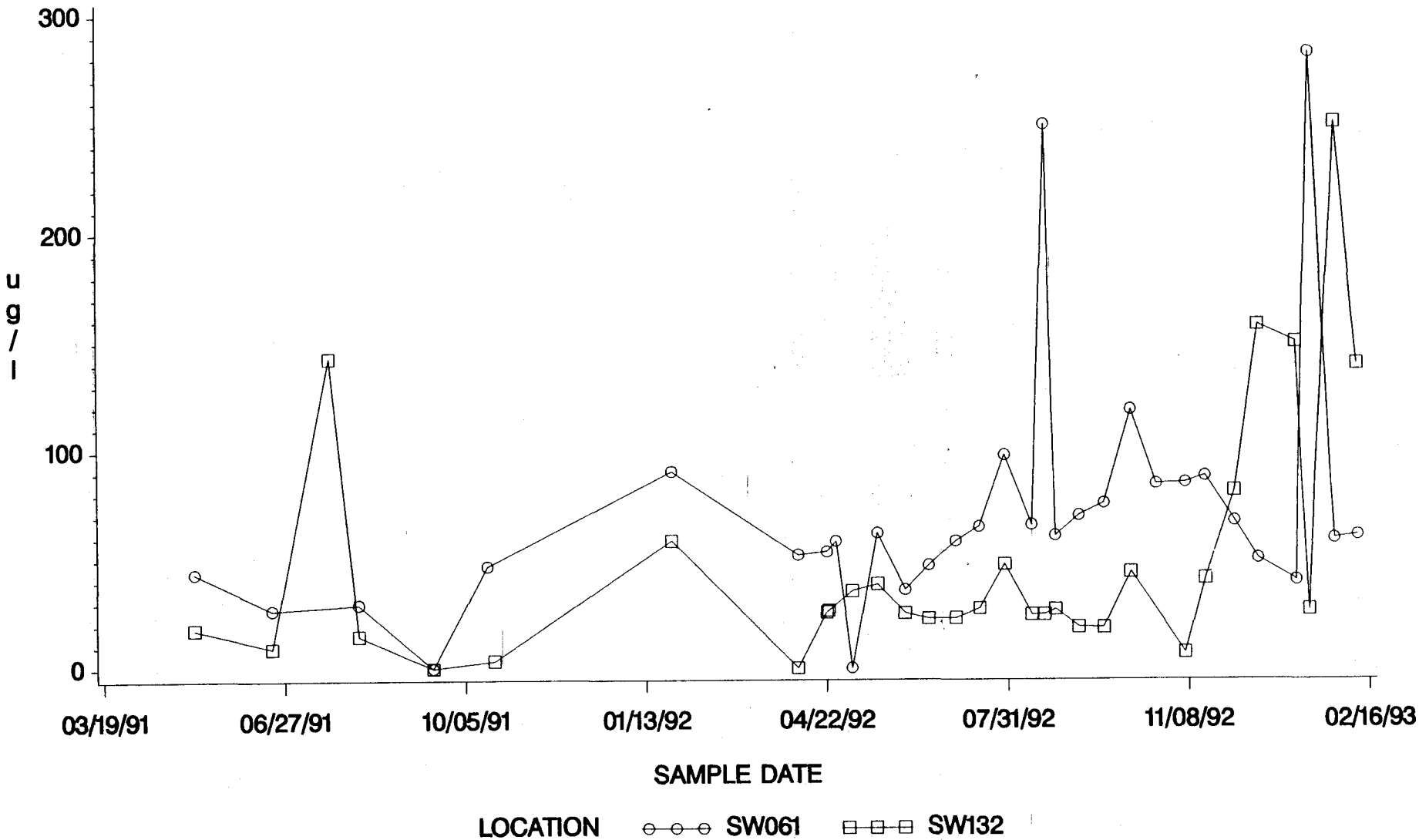
Iron Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 1000 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



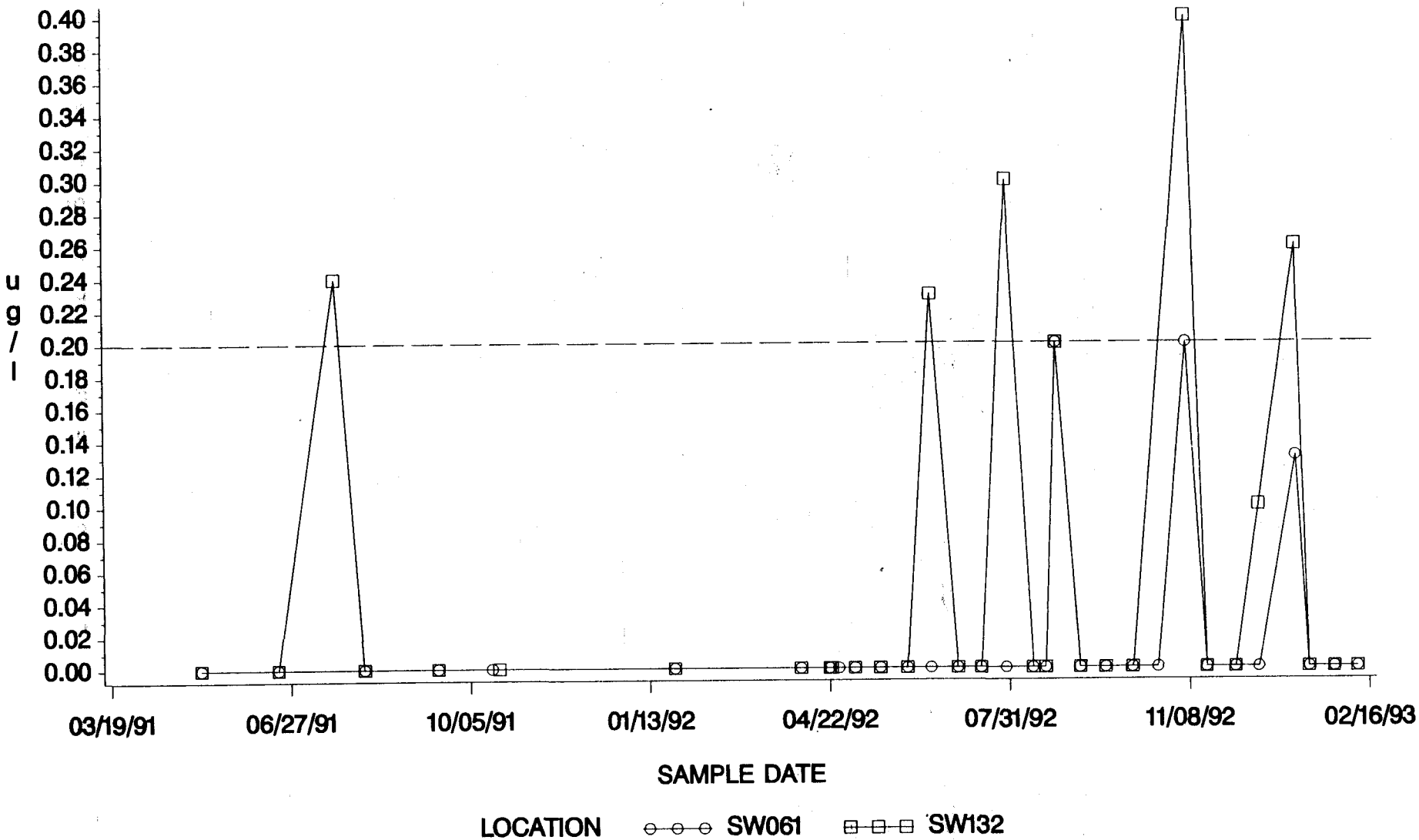
Lead Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 5 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



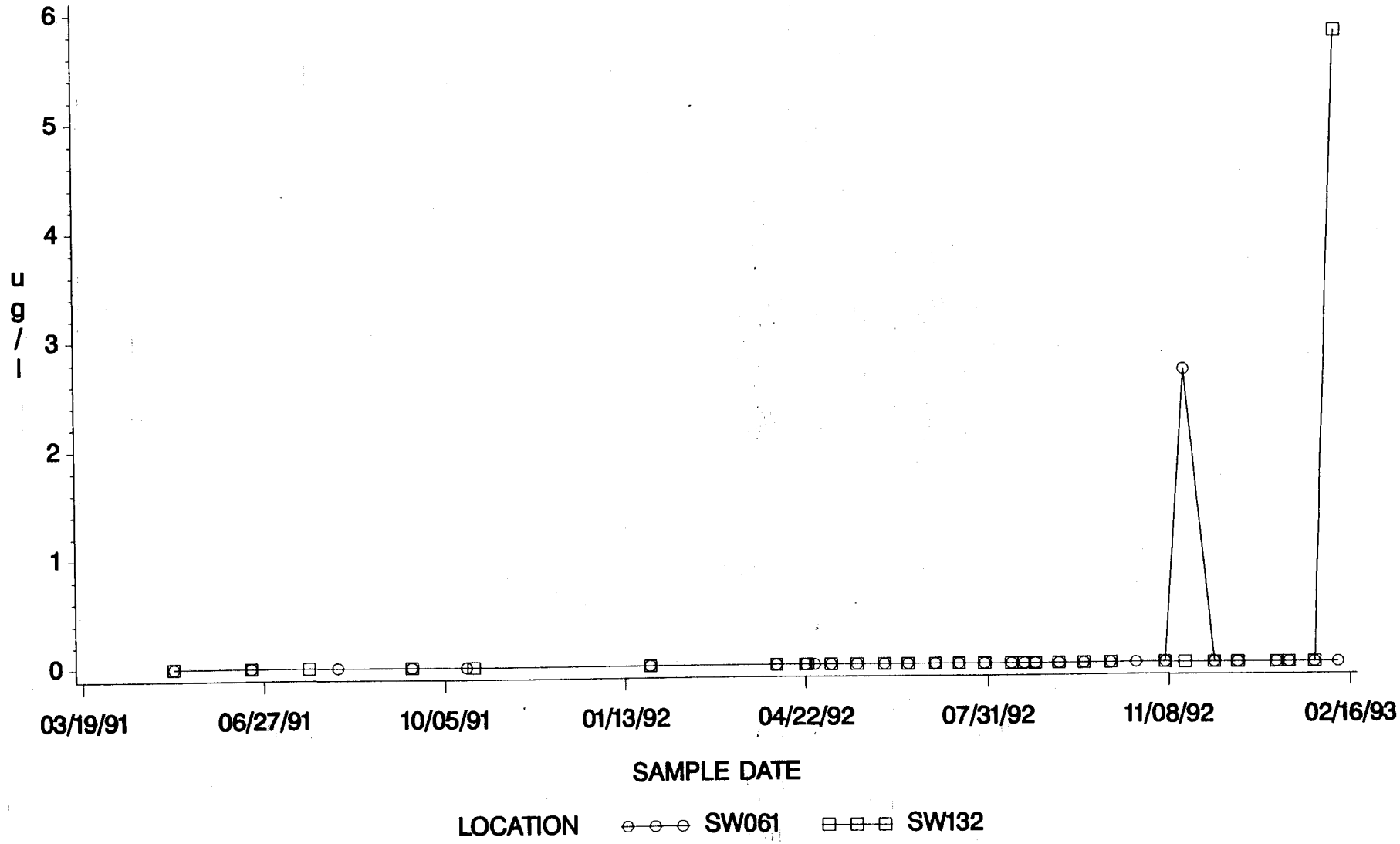
Manganese Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 1000 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



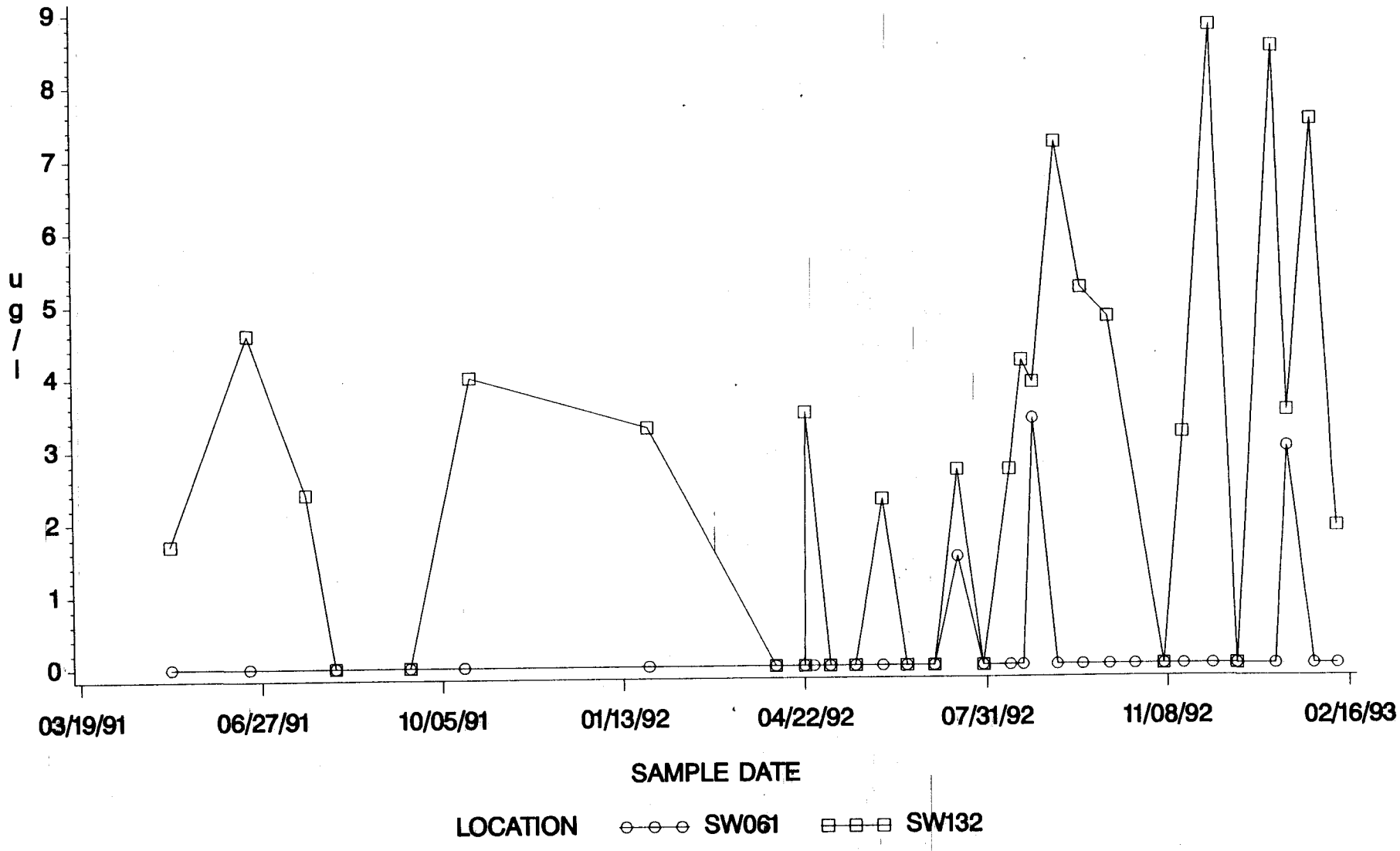
Mercury Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 0.20 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



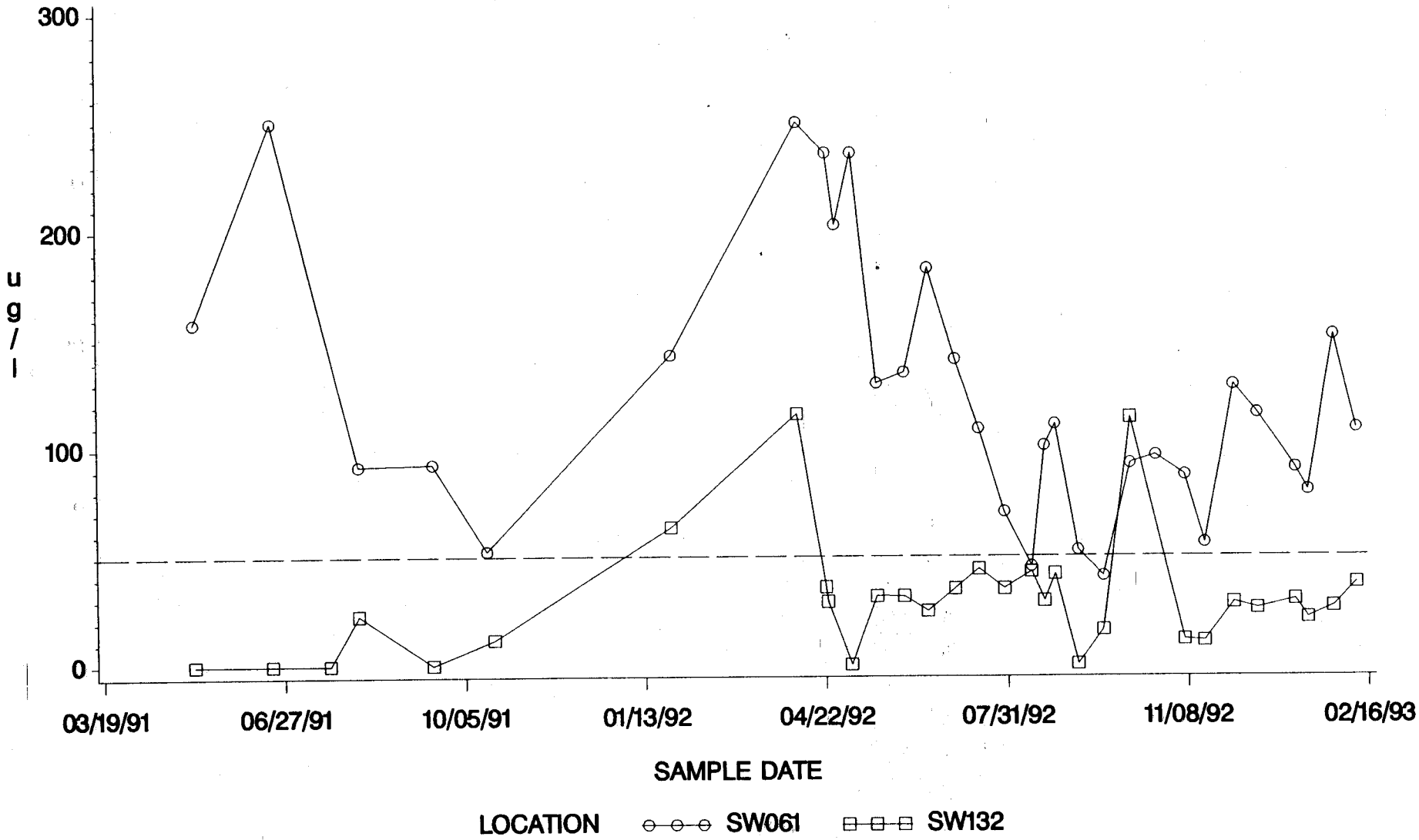
Nickel Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 40 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



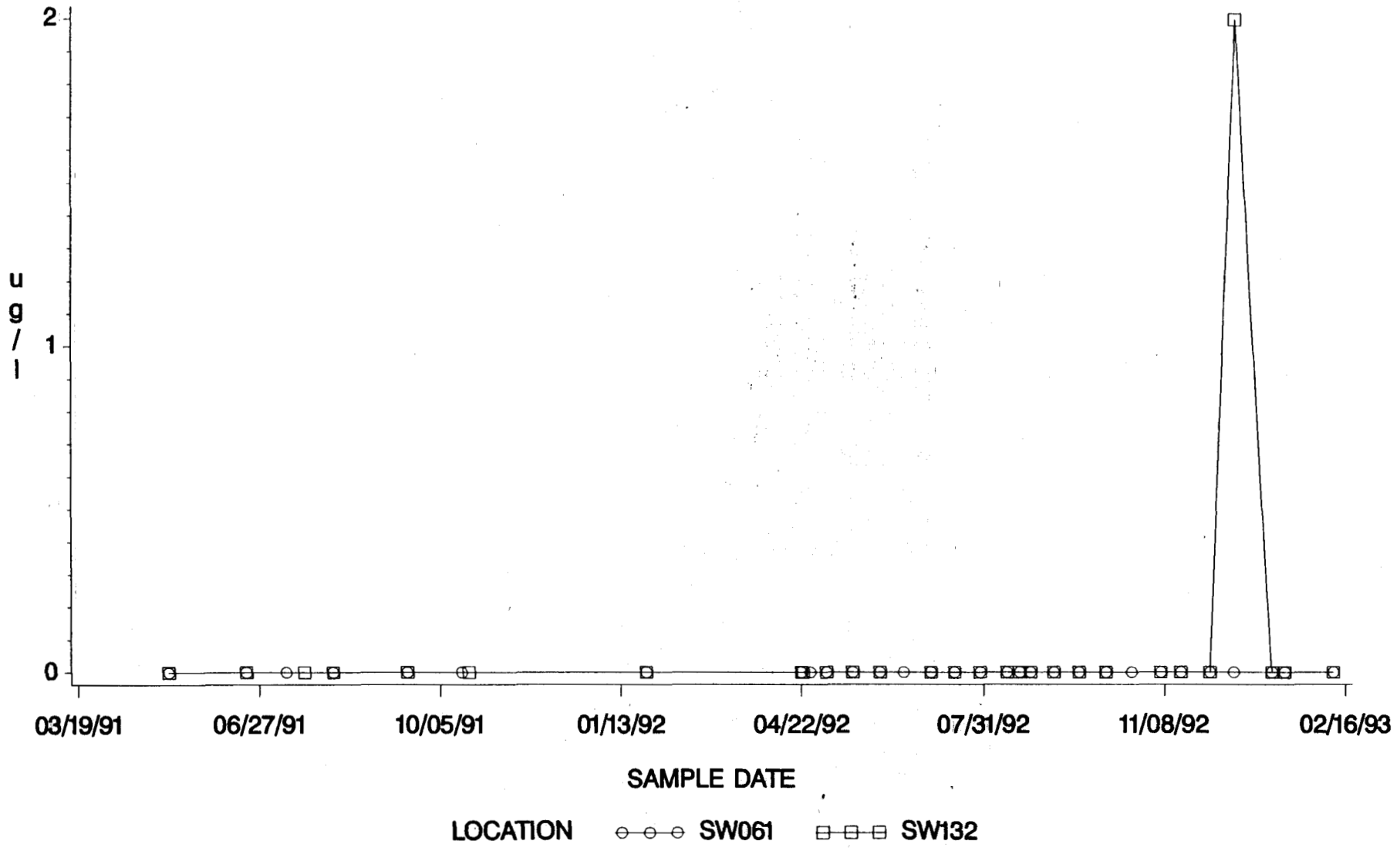
Selenium Concentrations at Surface Water Stations SW061 and SW132
Total Metals

ARAR Value is: 10 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Zinc Concentrations at Surface Water Stations SW061 and SW132
Total Metals

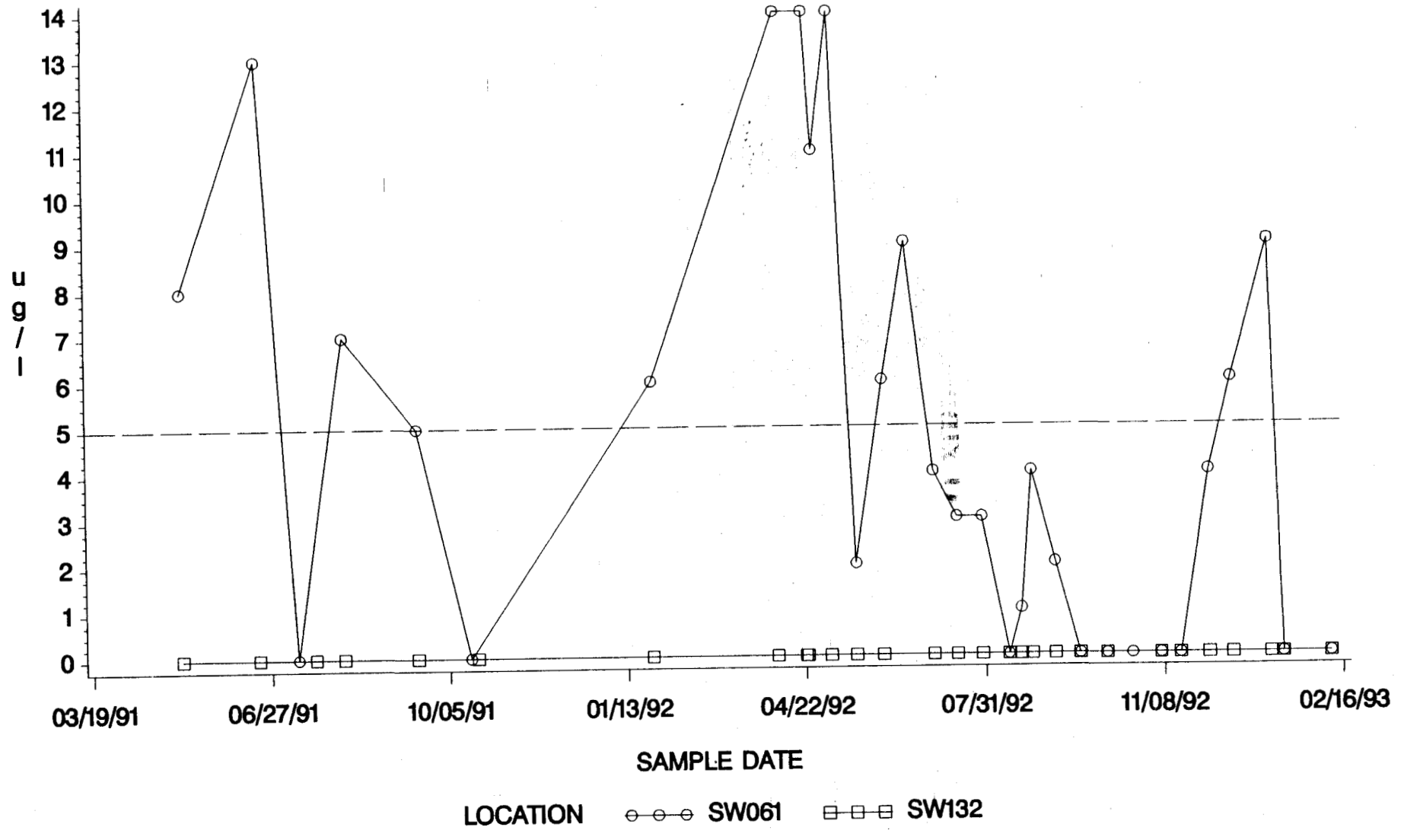
ARAR Value is: 50 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



1,1 Dichloroethene Concentrations at Surface Water Stations SW061 and SW132
CLP Volatiles Method

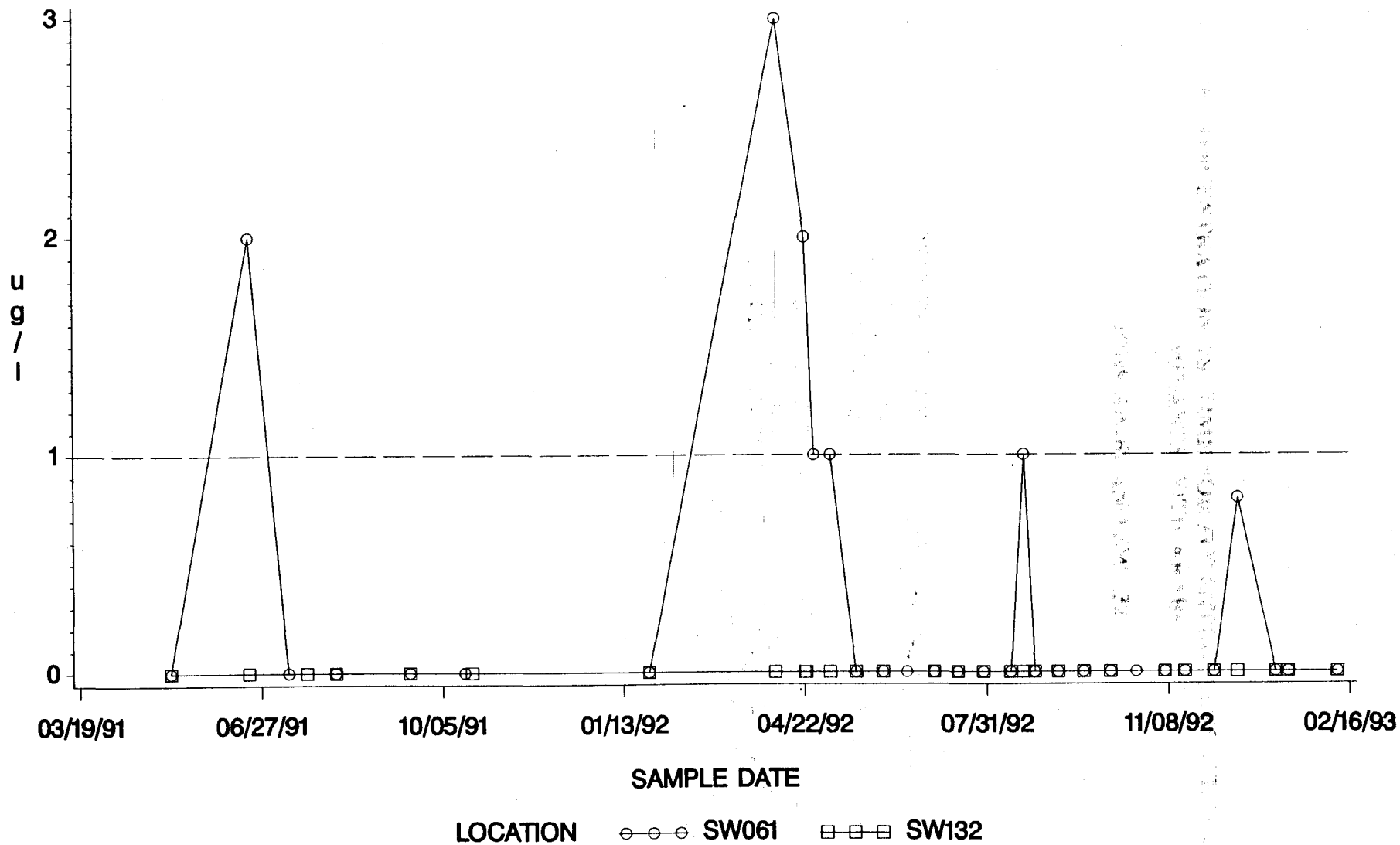
ARAR Value is: 7 (Dashed Vertical Reference Line.)

Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Carbon Tetrachloride Concentrations at Surface Water Stations SW061 and SW132
CLP Volatiles Method

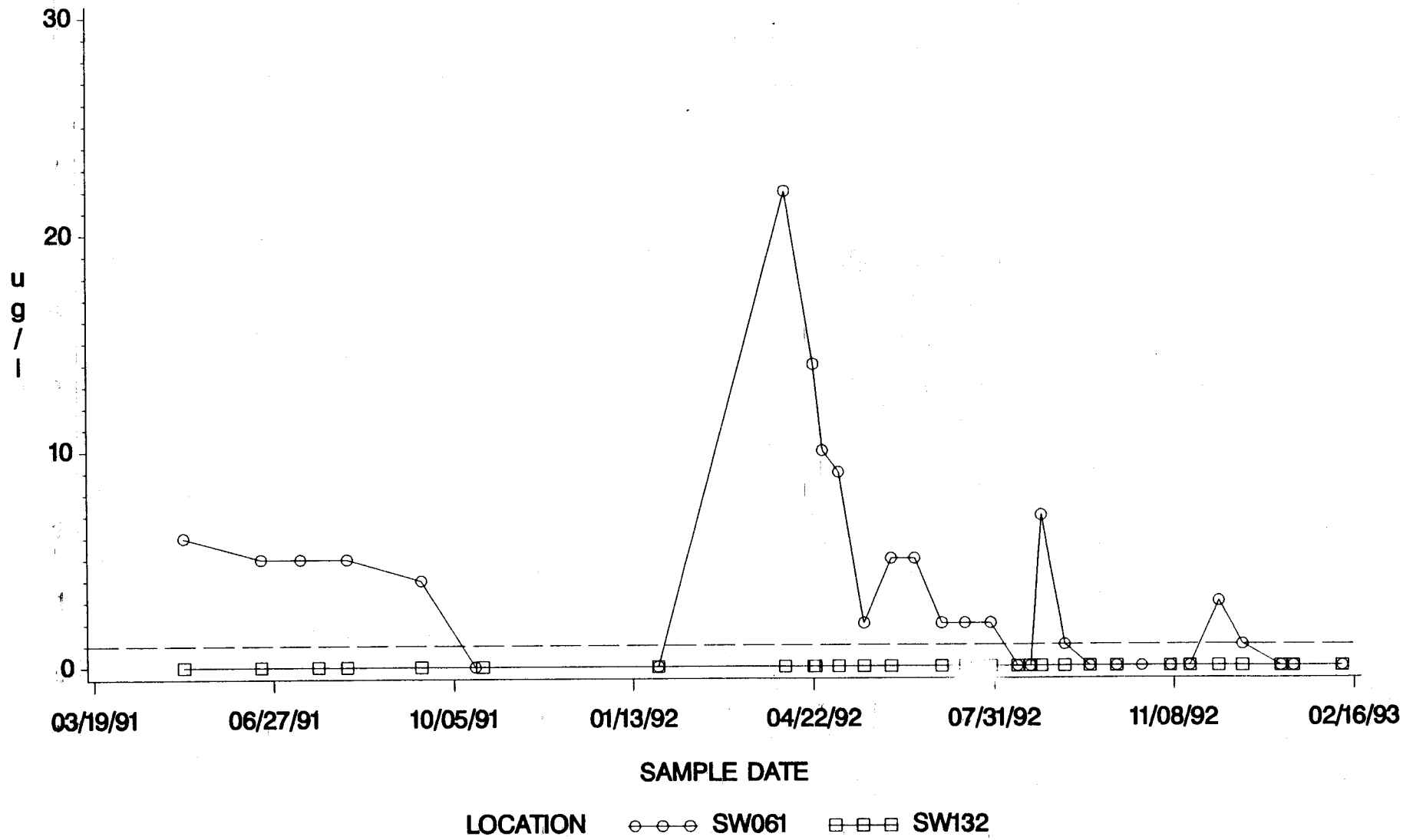
ARAR Value is: 5 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Chloroform Concentrations at Surface Water Stations SW061 and SW132
CLP Volatiles Method

ARAR Value is: 1 (Dashed Vertical Reference Line.)

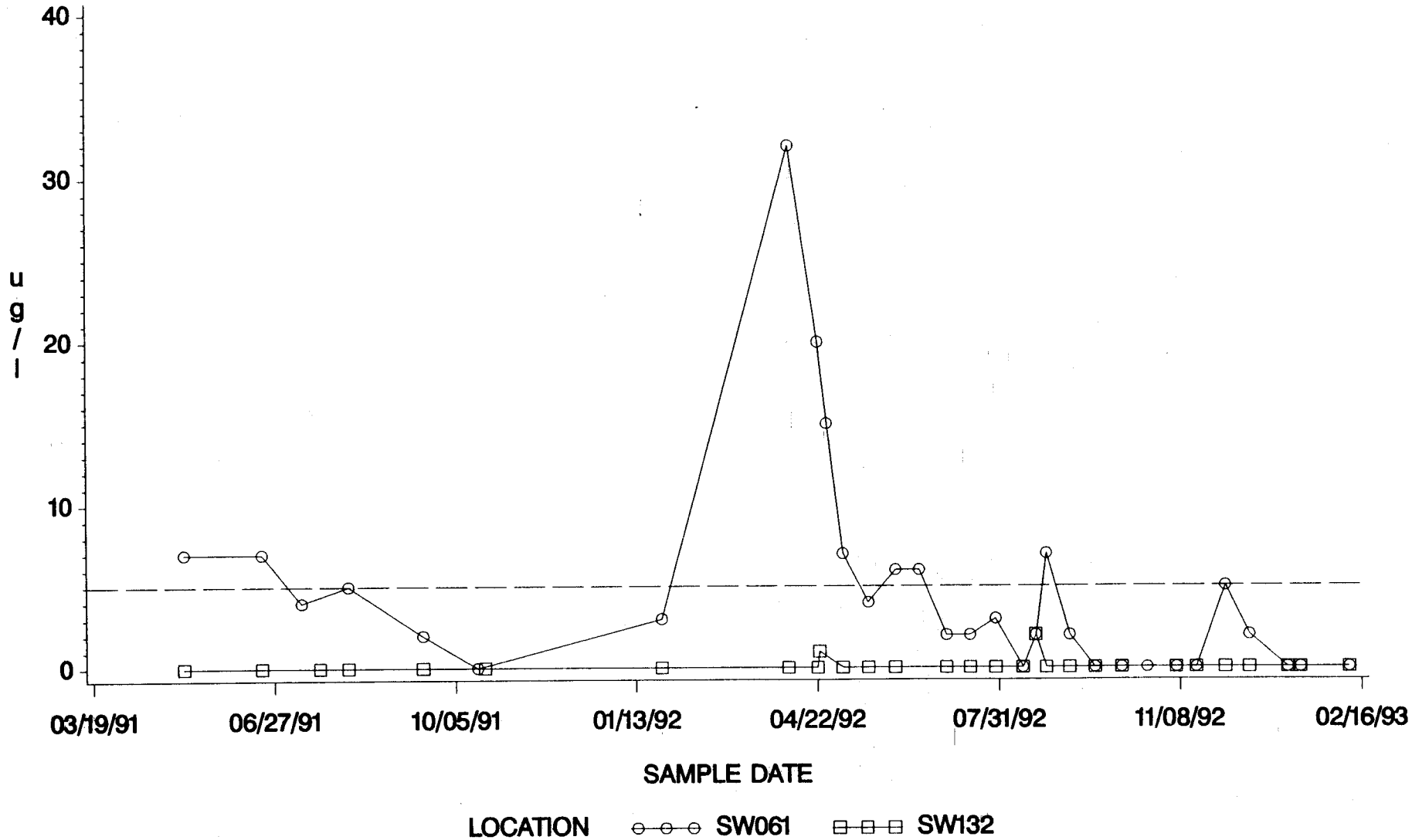
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Tetrachloroethene Concentrations at Surface Water Stations SW061 and SW132
CLP Volatiles Method

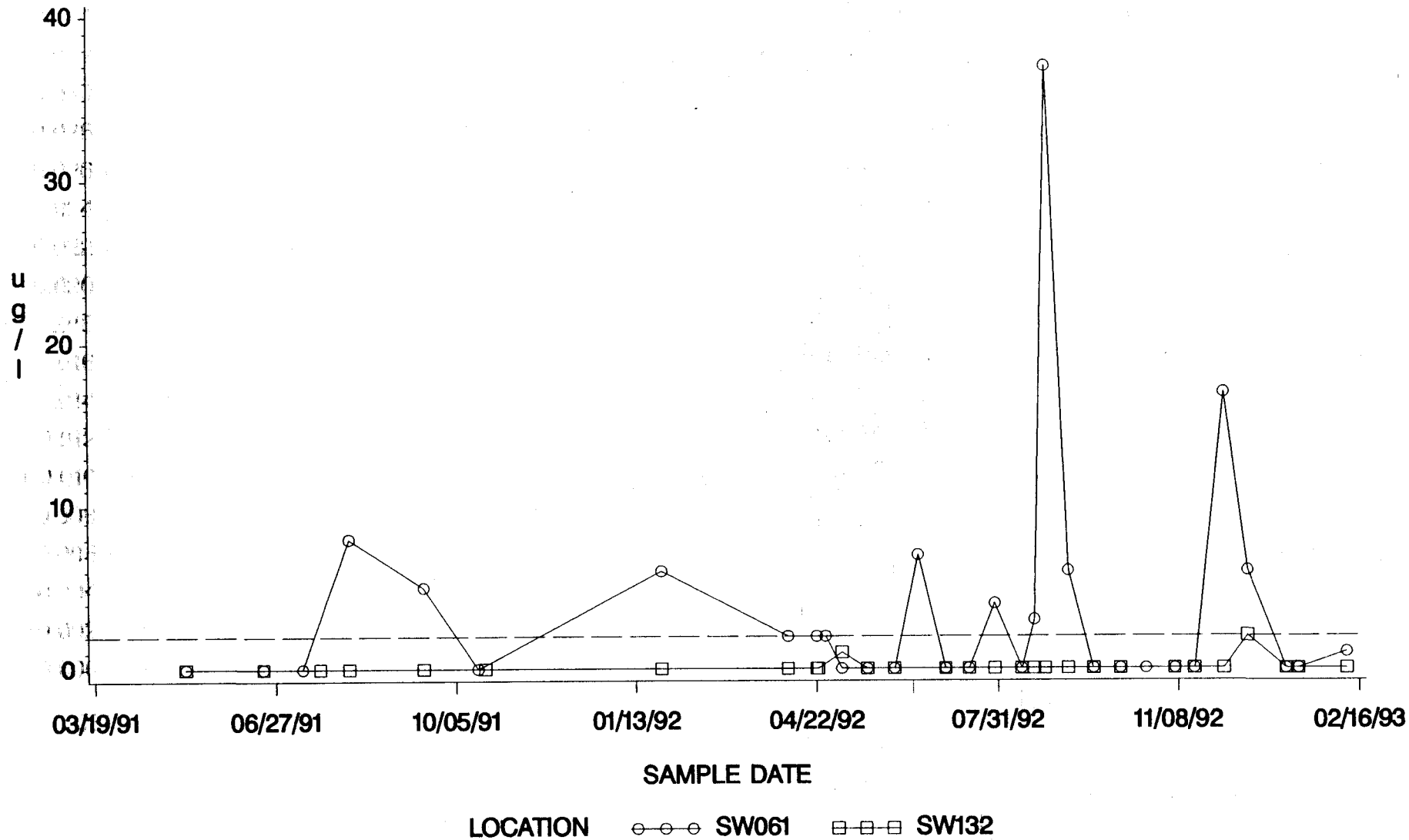
ARAR Value is: 1 (Dashed Vertical Reference Line.)

Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Trichloroethene Concentrations at Surface Water Stations SW061 and SW132
CLP Volatiles Method

ARAR Value is: 5 (Dashed Vertical Reference Line.)
Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.



Vinyl Chloride Concentrations at Surface Water Stations SW061 and SW132
CLP Volatiles Method

ARAR Value is: 2 (Dashed Vertical Reference Line.)

Concentrations reported at the detection limit with U qualifier were plotted as a zero for graphical purposes.