Energy Systems Environmental Restoration Program
Y-12 Environmental Restoration Program

**Remedial Investigation Report
on Chestnut Ridge Operable Unit 2
(Filled Coal Ash Pond/Upper McCoy Branch)
at the Oak Ridge Y-12 Plant
Oak Ridge, Tennessee
Volume 2. Appendixes**

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OAK RIDGE Y-12 PLANT
Oak Ridge, Tennessee 37831-8169
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APPENDIX A

McCOY BRANCH FISH INTRODUCTION STUDY

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McCoy Branch is separated into an upper and lower section by Rogers Quarry. The stream above the quarry has no established fish populations and only 4 fish have been taken during 4 years of monitoring. The quarry outfall and inflow act functionally as a barrier to fish movement into the upper section from downstream fish communities in lower McCoy Branch and Melton Hill Reservoir. Previous flyash disposal techniques probably eliminated any resident fish populations in upper McCoy and the quarry barrier has prevented any natural recolonization. Without a fish population, any measurement of recovery of the stream following cessation of the flyash disposal was limited to improved water quality and changes in benthic invertebrate communities. Therefore, as part of the biomonitoring of McCoy Branch, a fish introduction study was initiated for upper McCoy Branch.

The study involved transplanting banded sculpins (*Cottus carolinae*) into upper McCoy Branch and following their population parameters. Prior to the introduction, baseline water quality and habitat measurements were made and two study sites established. Following introduction, population parameters were monitored at the study sites and at the banded sculpin source stream, Hansard Mill Branch. Population parameters included survival, distribution, density, biomass, condition factor, feeding patterns, reproduction, and recruitment. The study objectives were to determine whether upper McCoy Branch could support a fish population and if so, how might that population differ from an existing population in a noncontaminated reference stream.

MATERIALS AND METHODS

Study Sites

Two reaches approximately 50 m in length were designated on upper McCoy Branch as banded sculpin introduction sites. The upstream site, at McCoy Branch kilometer (MCK) 2.12 has a slightly sinuous configuration, with moderately shallow riffles, separated by medium-sized pools. This site has an average width of 1.4 m, a mean depth of 7.0 cm, and the velocity for the site was 0.06 m/sec. Substrate is moderately embedded, is composed of mainly gravel and cobble, with some vegetational detritus, woody debris, and root wads. This site has an average canopy cover of 98.5% shade, and a mean pool riffle ratio of 0.7. The downstream site MCK 1.97 has a heavily sinuous configuration, with moderately deep runs separated by narrow shallow riffles. This site had an average width of 1.2 m, an average depth of 7.4 cm, and the velocity was 0.08 m/sec. The mean canopy cover was 98.1% shade, and the mean pool-riffle ratio was 0.5. Substrate at this site is heavily embedded, and is composed mainly of small cobbles, gravel, and root wads. These two sites are separated by a 100 m stretch of stream.

Hansard Mill Branch is a second order stream of low to moderate gradient, that drains a 2.32 square km watershed on the southern slope of Chestnut Ridge. This stream flows approximately 2.2 km from its source of five springs until it empties into Bull Run Creek. Hansard Mill Branch is in Knox County approximately 32 km Northeast of McCoy Branch. This stream drains the same ridge as McCoy Branch, the southern slope of Chestnut ridge. Two study sites were chosen in this stream that were similar to the sites on McCoy Branch.

The upstream reference site, Hansard Mill Branch kilometer (HMK 1.23) is slightly sinuous, it is composed of moderately-wide shallow riffles bordered by medium sized pools. This site had

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an average width of 1.1 m, an average depth of 6.0 cm, and the velocity was 0.16 m/sec. The mean canopy cover was estimated at 96.5% shade, and the mean pool-riffle ratio was 0.3. At this site the substrate is only slightly embedded, and is composed mainly of small gravel, with some cobbles and woody debris. The canopy is similar to that of the two McCoy Branch sites. This site is approximately 800 m down from the streams' source, five springs of low to moderate discharge. The downstream site (HMK 0.41), is moderately sinuous. This section of creek is composed of long, moderately-deep riffles bordered by medium-sized pools. This site had an average width of 1.6 m, an average depth of 7.4 cm, and a velocity of 0.11 m/sec. In this area the substrate is moderately embedded, and composed of bedrock outcrops, large flat cobbles, and medium sized gravel. Pool-rifle ratio at this site is 0.4. The canopy cover at this site is the lowest of any of the sites (60.0% shade). This site is approximately 1.05 km downstream from the upper reference site and about 410 m upstream from the stream's confluence with Bull Run Creek.

Fish Introduction

Banded sculpins to be transplanted into McCoy Branch were obtained from Hansard Mill Branch. One Smith-Root model 15-A electrofisher was used to collect the sculpins, on three sample dates. The collections were made on 25 August, 1992 (110 sculpins), on 28 August, 1992 (75 sculpins), and on 2 October, 1992 (52 sculpins). These fish were brought to the laboratory and kept in a flow-through tank to allow them to recover from the electrofishing process. After recovery, the sculpins were anesthetized with FINQUEL Tricane Methanesulfonate (MS 222), and injected with Liquitex non-toxic acrylic polymer emulsions as per Lotrich and Merideth (1974). A 3 cc syringe with a number 23 needle was used to mark the fish. Water was added to the paint in an approximate ratio of 2 cc of water to 5 g paint to thin the paint for ease of injection. The sculpins were injected in the loose subcutaneous area on the ventral portion of the caudal peduncle. Two colors were used to separate the fish to be placed in the two sites. Fish to be introduced at MCK 1.97 were injected with Brilliant orange (cadmium orange hue), and the fish to be introduced at MCK 2.12 were injected with Vivid lime green. Liquitex paints are reported to have a 4 to 16 month range of durability depending on color when used to mark fish in this manner (Lotrich and Meredith 1974). Mortality rates associated with tagging were relatively low, less than 10 %. On 3 October, 1992 the marked sculpins were stocked into the two McCoy Branch sites; 90 fish were released at each site.

By using different marks for each group of sculpins, large scale movements of the fish were detected in upper McCoy Branch. It will also detect any possible fish immigration into the McCoy Branch sites from outside sources.

A second group of sculpins was transplanted into McCoy Branch in August of 1993. The fish for this transplant were captured from just above and below the HMK 1.23 site on Hansford Mill Branch. Twenty three fish were brought to the laboratory, allowed to recover from electrofishing stress in a flow through tank, and were injected with Liquitex acrylic paint as described above. Different colors were used to mark this group of fish to separate it from the 1992 introductions. The fish stocked in the downstream section were marked with Liquitex Brilliant Blue (Phthalocyanine Blue), and the fish stocked in the upstream section were marked with Liquitex Medium Magenta (Quinarcidone Magenta). Mortality associated with this round of injections was low, only one dead in 23 fish injected (4.3 %). A different method was employed to disperse the fish into the stream than in the first introduction. Half of the fish were spread out in the lower section of the stream (MCK 1.92 to MCK 2.12), and the other half were

put into the upper section (MCK 2.12 to MCK 2.32). On 2 August, 1993 nine marked sculpins were stocked into both sections of stream.

During the initial fish population sampling in McCoy Branch, two samples were taken, 10 April, 1992 and 2 October, 1993, 4 adult (8-12 cm TL) sculpins were found. Extensive sampling of all of the tributaries above the quarry was performed but no potential refuges were discovered. There were no other fish found in McCoy Branch above Rodgers Quarry in five previous samples.

Stream Habitat Description and Monitoring

The stream habitat available to the sculpins and the ambient water quality was monitored at each of the four sites. Measurements of stream habitat were done yearly, with samples taken in August 1992 and 1993. Additional measurements will be made in 1994. These samples were taken according to Platts et al. (1983) as modified by Ryon and Smith (1992). The parameters that were studied and the equipment used is as follows: stream width, pool-riffle ratio, and channel sinuosity (100 m tape); stream shore depth, vegetative overhang, and stream bank undercut (meter stick); substrate analysis (weighted rope marked off in 10 cm sections); flow rate (Marsh McBirney model 201D flow meter); stream bank angle (Suunto clinometer & meter stick); canopy cover (convex mirror with 100 square grid); and aquatic vegetation, stream bank alteration, and bank vegetational stability (direct observation). All measurements were taken at 5 m intervals along each stream reach. Five flow measurements were taken at each transect. The sinuosity readings were taken for the whole reach at each site.

Water quality sampling consisted of temperature monitoring with on-line temperature recorders, monthly water quality checks with a portable water quality meter, and quarterly water samples for metals analysis. Monthly water quality readings were taken with the Horiba model U-7 water quality checker. The Horiba measures water temperature, pH, dissolved oxygen, and conductivity. Water samples for metals analysis were taken at the four sites on a quarterly basis, with 60 mL samples preserved with 0.01 mL of Nitric acid. These samples were sent to the Y-12 Analytical Services Organization lab for Inductively Coupled Plasma spectroscopy (ICP) analysis. Atomic absorptions for the prevalent potential toxins (arsenic and selenium) were also taken because the levels were below ICP detection limits.

Water temperatures at the two streams were monitored with Ryan Tempmentors (in-stream temperature monitors). There were three units deployed from August 1992 to May of 1993. Two of the units were deployed at McCoy Branch (MCK 1.92 and MCK 2.12), and the other unit was deployed at Hansard Mill Branch (HMK 1.28). These units were set up to take temperature readings in Centigrade every hour.

Food Availability and Consumption Analysis

The food available to the sculpins at the four sites was measured by taking quarterly Surber samples for benthic macroinvertebrates. The sampling locations for each site were chosen by first dividing the reaches up into pool and riffle cells. These cells were approximately 1 m long and half the stream in width (2 cells for each 1 m of stream). Pool and riffle cells were numbered in an upstream progression for each site. Three cells for each pool/riffle habitat type were selected for each site each quarter (6 samples for every site each quarter). The cells were selected randomly from a table of random digits in Steel and Torrie (1960).

The samples were taken using a 30 cm square Surber sampler with a 360 micron net. Samples were taken by placing the Surber sampler in the cell and dislodging all the substrate in the sampler square, causing the macroinvertebrates to flow into the net. This was done until all the substrate in the square had been disturbed, usually 1-3 minutes. All large rocks in the square (>15 cm diam) were scrubbed with a test tube brush in the net to dislodge attached macroinvertebrates. The samples were then preserved in 850 mL jars with 90% ethanol.

Benthic samples were processed in the laboratory with the aid of a Electrix 2x power lighted magnifying lamp. First the detrital portion of the sample was rinsed with water into a 250 micron screen. Then small portions of the detritus were placed in a white photo tray with a small amount of water. These pans were sorted through twice each under the magnifying lamp, and all of the macroinvertebrates found were removed, separated by order, and placed in 20 mL vials with 90% ethanol. This process was repeated until all of the detrital portion of the sample was sorted. Then the same procedure was performed on the gravel portion of the sample until the whole sample had been sorted.

The amount and types of food consumed by the sculpins was measured by taking quarterly fish samples on Hansard Mill Branch with a Smith-Root model 15-A electrofisher. Sampling was done by starting at a predetermined point (usually just above or below one of the two reference sites) and then proceeding upstream collecting fish. No sampling for stomach contents was done within the sites and for 50 m above and below the sites. This was done to keep from biasing the fish community studies within the two sites. Three to fifteen banded sculpins were taken from Hansard Mill Branch only, then preserved in a 10% formalin solution for later analysis.

To reduce the impact of sampling on the transplanted fish in McCoy Branch, a non-destructive method of stomach sampling was used (sampling in McCoy Branch for stomach contents did not begin until June of 1993). A stomach pump consisting of a 10 cc hypodermic syringe and a piece of electrical wire casing (7 cm long, 3 mm diam.) was constructed as per Baker and Fraser (1976). The syringe with the casing attached to the needle was filled with water and inserted into the fish's mouth, until it reached the stomach. Inverting the fish over a 250 micron screen, water was pumped into the fish's stomach flushing the contents onto the screen. The stomach contents were then preserved in 20 mL vials with 90% ethanol. The efficiency of this method was tested by dissecting the stomachs of 6 fish after their stomachs were pumped to see what remained. Fish were preserved in 10% formalin solution immediately after pumping. Upon examination of the stomachs and intestinal tracts of the fish, the pumping method had evacuated over 98% of the contents. Mortality associated with this methods was minimal, 1 death out of 22 fish sampled (4.5%).

Fish Community Analysis

Samples were taken at all four sites each quarter, two at McCoy Branch (MCK 1.97 and MCK 2.12) and two at Hansard Mill Branch (HMK 1.23 and HMK 0.41). Fish community sampling was done by blocking off 50 m segments of stream with 5 mm mesh nylon nets. These sections were sampled with Smith-Root model 15-A backpack gas powered electrofishers. The electrofishers were set at 400-600 V DC, and the frequency switch set at 90-120 pulses per second. The cathode and anode probes were fitted with circular rings, and the anode probe ring was covered with 5 mm nylon mesh. This allows the electrofisher operator to assist in netting stunned fish. Sampling was done by making three electrofishing passes in an upstream direction covering all habitat types and taking all stunned fish. All fish captured during 3 sampling passes

were: anesthetized with MS 222; identified to species level and tallied; measured to the nearest mm TL; and weighed to the nearest 0.1 g. The fish were then returned to the stream alive.

During the course of the study it was determined that undersampling was occurring in the McCoy Branch samples. A new method of sampling was employed to limit undersampling bias. Stream sampling reaches were lengthened to 100 m and more electrofishing passes were performed. At least 4 passes were done, and sampling passes were continued on each reach until no more fish were recovered. This method is a modification of the Riley and Fausch method (1992).

The sampling for recruitment percentage involved blocking off four 50 m sections with 5 mm mesh nets, and each of the sections were separated by 25 m zones where no sampling occurred. The four 50 m sections on both Hansard Mill Branch and McCoy Branch were sampled with a Smith-Root electrofisher utilizing a four pass removal method. Recruitment percentage was calculated as the number of young of year fish (≤ 3.9 mm TL) divided by the total number of fish captured for each 50 m reach. An average of the recruitment percentage of the four reaches for each stream was used to compare streams.

Reproductive Analysis

The study of banded sculpin reproductive activities in McCoy Branch and in Hansard Mill Branch involved examining both the physical and biological reproductive characteristics. Observational surveys of the two streams and the artificial stream inside the lab were made during the breeding season. Since there is little information on banded sculpin breeding activities, searches were made to describe nests and nest sites, egg types numbers, and depositional patterns, larval and post-larval fish numbers and nursery locations. Fecundity counts and the recruitment surveys (described in the Fish Community Analysis section) were also done.

Fecundity surveys were conducted during the reported breeding season on the Cahaba River System, January to early February (Williams and Robbins 1970). Sampling was done on the two Hansard Mill Branch sites during the breeding season. Smith-Root electrofishers were used to obtain gravid female sculpins. The sculpins were obtained by sampling areas that contained possible spawning habitat (sections of creek near spring mouths, with large flat rocks situated on gravel to coarse sand substrate). Captured female sculpins were transported to the lab alive, then dispatched in a lethal solution of MS 222. Ovaries were removed from the sculpins, weighed on a Mettler balance, and then preserved in Karnovskys' fixative for later analysis. Fish were not taken from McCoy Branch in 1993 because of the low population numbers. Only two ovaries were obtained from the three surveying trips made to Hansard Mill Branch in 1993. The recruitment surveys were done once in 1993 and 3 times in 1994. An average of the four recruitment percentages for each stream were taken for inter-stream comparisons.

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APPENDIX B

PHASE 1 ANALYTICAL DATA

Source: Martin Marietta Energy Systems, Inc. 1991. Remedial Investigation Report for Chestnut Ridge OU 2 (Filled Coal Ash Pond/McCoy Branch) at the Oak Ridge Y-12 Plant, Oak Ridge, Tennessee (excerpt from Appendix E). ES/ER-23&D1 (Y/ER/Sub-90/97777/2), Oak Ridge Y-12 Plant, Oak Ridge, Tennessee.

Appendix E.1
DATA USABILITY

OROFC1/078.51

E.1. ANALYTICAL DATA BASE

The sample tracking record, included in this appendix, is organized by sample number. For each sample number, the following sample tracking information is included: sampling station; date and time of collection; depth of soil sample; type of sample [quality assurance/quality control (QA/QC), metals, sample suite]; and any qualifying remarks.

The analytical data were input to and maintained on the Environmental Data Base Management System (EDMS) installed on the microcomputer system of CH2M HILL. A full set of output from this data base, sorted according to general analyte classification, is presented in Appendix E.2.

The two categories of analytical data collected during this phase of the site investigation are chemical and radiological. Chemical data include analytical results for selected organic compounds and inorganic analytes as described on the Environmental Protection Agency (EPA) Target Analyte List (TAL). Radiological analyses include gross alpha and gross beta activity and specific radionuclides.

Chemical data for liquid samples, such as samples of groundwater or surface water, are typically reported by the laboratory as the number of micrograms of the analyte per liter of liquid ($\mu\text{g/L}$). Chemical data for solid samples, such as samples of soil or sediment, are typically reported as the number of micrograms of the analyte per kilogram of solid ($\mu\text{g/kg}$). Both $1 \mu\text{g/L}$ and $1 \mu\text{g/kg}$ represent one part per billion (ppb). Chemical data can also be reported in milligrams per liter (mg/L) for liquids, and in milligrams per kilogram (mg/kg) for solids. Both 1 mg/L and 1 mg/kg represent one part per million (ppm).

Radiological data for liquid samples are typically reported in picocuries per liter (pCi/L). For solid samples, data are typically reported in picocuries per gram (pCi/g). The measurements are of the level of radioactivity in the sample. Radioactivity is determined by how fast the unstable material decays. One picocurie is equal to 2.22 disintegrations per minute (dpm). A direct equivalence between radioactivity and chemical concentration can be calculated only on a radionuclide-specific basis. For example, 1 pCi/L of ^{235}U is roughly equivalent to 0.06 parts per trillion (nanograms per liter or ng/L). In solids, 1 pCi/g of ^{235}U is roughly equivalent to 59 parts per trillion (ng/kg).

In the data base, radiological results are reported as a value plus or minus ($\pm$) another value, which is an error factor. The error factor represents a statistical value that is equal to two standard deviations of the sample's count rate, expressed as activity. The best estimate of the radioactivity in the sample is the reported

value. The range of what that value may be, with 95 percent confidence limits, is estimated by adding the error factor to the reported value to obtain the upper limit and by subtracting the error factor from the reported value to obtain the lower limit. For example, if the results are reported as 10 ± 5 pCi/g, the best estimate for the value is 10 pCi/g, and the range of what that value may be, with 95 percent confidence, is 5 to 15 pCi/g. Typically, error factors are included in the tables but are not included in the figures.

A system of letters or data base "flags" has been incorporated into the tables to enhance data interpretation. These flags are located between the numeric quantitation component and the reporting units in the analyte columns. They have the form of $NNN \pm XXABCCC$ where

- N is equal to the numerical quantitation,
- $\pm XX$ is the error designation for radiological samples,
- A signifies detected (D) or undetected (U) above the detection limit,
- B designates whether or not a compound has been validated (Y=Yes: N=No), and
- C are the data validation flags applied to that analyte.

The following discussion addresses the quality of the analytical data collected during this investigation (data validation) and their appropriate use (limits on data use).

E.2. DATA VALIDATION

Data validation is the systematic process of comparing analytical results with established criteria to provide assurance that the data are adequate for the purpose stated in the Work Plan. This comparison results in an assessment of the technical soundness of the analytical procedure as implemented by the laboratory. The assessment of validation results is achieved by applying qualifications or "flags" to the analytical results.

Chemical data currently contained in EDMS have been validated and flagged. A distinction is made in the next two subsections between validating chemical data and validating radiological data.

E.2.1 CHEMICAL DATA

Contractually, the data validation for chemical data adhered to EPA Level III Data Quality Objectives (DQOs). However, Level III is not well defined by EPA, with no established protocol or reporting format. This lack of definition makes it difficult to formalize the validation process; therefore, a delineated QC procedure was adopted from another program. The validation was performed under QC Level C of the Hazardous Waste Remedial Actions Program (HAZWRAP) (DOE 1990). QC Level C is sufficient to provide quantitative analysis of samples that results in technically defensible data.

E.2.2 RADIOLOGICAL DATA

There are no EPA-established criteria for validating radiological data. CH2M HILL developed standard operating procedures for validating radiological data based on analyte-specific analytical methods described in SW846, *Test Methods for Evaluating Solid Waste* (EPA 1986), and on guidance from internal laboratory QC documents. The parameters and specific measures of data quality used to evaluate radiological data are as follows:

- preparing laboratory deliverables (such as data summary sheets), QC analyses (such as results for internal laboratory spikes), duplicate results for each reported isotope, and individual instrument-calibration results;
- preparing field QC documents (such as chain-of-custody forms and field notebooks);
- rerunning samples if QC results were outside established QC limits during the sample run; and
- evaluating results of spikes, duplicates, blanks, and other internal QC results when available.

E.2.3 DATA VALIDATION FLAGS

In the validation process, reported results were evaluated and data validation flags were appended to the analytical results if the usability or interpretation of the results had to be qualified. Data validation flags were used for both radiological and chemical data and are included in the environmental data base (Appendix D.2). The qualifiers or flags used in the data base are as follows:

- Unflagged data. The absence of qualification signifies data of the highest quality attainable by the specific analytical method. The data may be used for any intended purpose.

- J flagged data. This flag indicates that there is some degree of uncertainty associated with the reported results. There are two main reasons for the application of this flag. First, the J flag may indicate that specific QC requirements were not met. Examples of this situation would be a positive result reported for a sample for which the holding time had expired. Another reason for using this flag would be detection of a compound at a concentration lower than the nominal detection limit. A third instance is the application of the J flag to results for gross beta in groundwater samples. Data flagged with a J are estimated and may be used under carefully defined circumstances.
- R flagged data. This flag indicates that data have been rejected for general use because of significant discrepancies found in comparisons between the associated QC data and the prescribed criteria. Examples of this situation would be when the laboratory inorganic control sample for a specific analyte indicates <30% recovery or when sample holding times for volatile organic data have been grossly exceeded.

E.3. DATA LIMITS

E.3.1 CHEMICAL DATA

Limitations on the use of chemical data are indicated by flags appended to results by data reviewers. These flags are broadly recognized and are attached according to the Level C data validations guidelines under HAZWRAP (DOE 1990).

The validation criteria generally include verification of sample holding times, initial instrument calibration, continuing instrument calibration, and comparison of blank and regular sample results. For samples analyzed under this Remedial Investigation (RI), the validation criterion most often abused was holding time. Samples initially were sent to the Oak Ridge K-25 Site laboratory. Some of the analyses were performed at the K-25 Site laboratory; however, a significant fraction of the samples, especially those scheduled for volatile organic compound (VOC) or semivolatile organic chemical analyses, were reshipped to the International Technology Analytical Services (ITAS) laboratory for analyses. Failure to expedite the double (K-25 Site and ITAS) shipment is the primary reason for the holding-time infractions.

E.3.2 RADIOLOGICAL DATA

The radiological data presented in the data base have been affected by EPA protocols requiring that measurements of radioactivity be made on unfiltered samples. The total radioactivity of the sample may then be determined.

Measurements made in this way include both water and sediment contained in the sample.

The interpretation of data from unfiltered samples is difficult because so many variables are introduced to the analysis process. Variables that have a significant effect on the quantity of sediment in a water sample make it difficult to reproduce sampling results from one sampling episode to another. These variables include sampling techniques; mixing during laboratory preparation of the sample; sampling interval (top of the well screen versus bottom of the well screen); and seasonal fluctuations (for example, sampling surface water during turbulent flow periods, such as after a storm). Fluctuations in radioactive constituents may be attributable to variability in procedures used for sample collection and handling, rather than to changes in the actual concentration in water.

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Appendix E.2
ENVIRONMENTAL DATA

OROF1/078.51

ICAP Sample Tracking, Groundwater										
Number	Station	Date	VDA	BNA	Metals		Rad		Physical Properties	
					T	D	T	D	T	D
5000	GW-321	16 Oct 90			X	X	X	X	X	X
5001	GW-672	15 Oct 90			X	X	X	X	X	X
5002	GW-673	16 Oct 90			X	X	X	X	X	X
5003	GW-674	16 Oct 90			X	X	X	X	X	X
5004	GW-676	17 Oct 90			X	X	X	X	X	X
5005	GW-676	17 Oct 90			X	X	X	X	X	X
5006	GW-676	17 Oct 90				X		X		X
5007	GW-672	15 Oct 90			X		X		X	
T - Total D - Dissolved										

OROFCI/047.51

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
BE	7440-41-7	BERYLLIUM
BO	7440-42-8	BORON
CD	7440-43-9	CADMIUM
CA	7440-70-2	CALCIUM
CR	7440-47-3	CHROMIUM
CO	7440-48-4	COBALT
CU	7440-50-8	COPPER
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
MG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
HG	7439-97-6	MERCURY
NI	7440-02-0	NICKEL
NBM	7440-03-1	NIOBIUM
PHS	7723-14-0	PHOSPHORUS
K	7440-09-7	POTASSIUM
SE	7782-49-2	SELENIUM
SLC	7440-21-3	SILICON
NA	7440-23-5	SODIUM
STR	7440-24-6	STRONTIUM
V	7440-62-6	VANADIUM
ZN	7440-66-6	ZINC

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - METALS
FCAP

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SAMPLE ID:	05000	05000	05001	05001	05002
SUB-SAMPLE ID:	FCAP	FCAPF	FCAP	FCAPF	FCAP
STATION ID:	GW321	GW321	GW672	GW672	GW673
SAMPLE DATE:	10/16/1990	10/16/1990	10/15/1990	10/15/1990	10/16/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	42.9DY		12000DY	9100Y	10600Y
ARSENIC UG/L		2UY	2.7DY	2UY	2UY
BARIUM UG/L	43.3DY		255DY	133DY	46.9DY
BERYLLIUM UG/L	0.3UY		1.3DY	0.3UY	0.3UY
BORON					
CADMIUM UG/L	3UY		3UY	3UY	3UY
CALCIUM UG/L	24300DY		114000DY	95200DY	83100Y
CHROMIUM UG/L	10UY		24.9DY	10UY	74.7DY
COBALT UG/L	5UY		21.1DY	5.6DY	5UY
COPPER UG/L	4UY		30.1DY	11.1DY	52.5DY
IRON UG/L	22.8DY		16100DY	11100Y	21100Y
LEAD UG/L		3.9DYJ	6.5DYJ	2.4DYJ	10.4DYJ
MAGNESIUM UG/L	13900DY		33900DY	25500DY	12100DY
MANGANESE UG/L	5.2DY		2750DY	1380DY	44.6DY
MERCURY UG/L		0.2UY	0.26DY	0.2UY	0.2UY
NICKEL UG/L	10UY		25.4DY	10UY	32.9DY
NIOBIUM UG/L	8.4DYJ		7UY	7UY	7UY
PHOSPHORUS UG/L	200UY		200UY	200UY	200UY
POTASSIUM UG/L	775DY		4960DY	3960DY	67900DY
SELENIUM UG/L		2UY	8UY	2.2DY	2UY
SILICON					
SODIUM UG/L	660DY		3870DY	4200DY	16800DY
STRONTIUM					
VANADIUM UG/L	5UY		34.3DY	5UY	5UY
ZINC UG/L	500Y		244DY	56.2DY	134DY

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EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - METALS
FCAP

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SAMPLE ID:	05002	05003	05003	05004	05004
SUB-SAMPLE ID:	FCAPF	FCAP	FCAPF	FCAP	FCAPF
STATION ID:	GW673	GW674	GW674	GW676	GW676
SAMPLE DATE:	10/16/1990	10/16/1990	10/16/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	48.7DYJ	21800DY	70.4DYJ	11700DY	52.1DY
ARSENIC UG/L	2UY	3.2DY	2UY	2UY	2UY
BARIUM UG/L	29.6DY	674DY	236DY	179DY	62.8DY
BERYLLIUM UG/L	0.3UY	4DY	0.3UY	0.5DY	0.3UY
BORON					
CADMIUM UG/L	3UY	8DY	3UY	3UY	3UY
CALCIUM UG/L	5290DY	93200DY	62200DY	159000DY	76600DY
CHROMIUM UG/L	10UY	31.4DY	10UY	22DY	10UY
COBALT UG/L	5UY	27.6DY	5UY	13.1DY	5UY
COPPER UG/L	6.3DY	73.5DY	6.6DY	15DY	4UY
IRON UG/L	37.1DY	33500DY	20.6DY	17700DY	26.3DY
LEAD UG/L	4UYR	52.9DYJ	2UYR	8.1DYJ	3.1DYJ
MAGNESIUM UG/L	11200DY	37400DY	21100DY	21200DY	16400DY
MANGANESE UG/L	3.8DY	2460DY	224DY	1610DY	680DY
MERCURY UG/L	0.2UY	0.33DY	0.2UY	0.2UY	0.2UY
NICKEL UG/L	10UY	41.1DY	10UY	13.4DY	10UY
NIOBIUM UG/L	7UY	7UY	8.8DYJ	7UY	7UY
PHOSPHORUS UG/L	200UY	200UY	200UY	530DYJ	200UY
POTASSIUM UG/L	65500DY	77100DY	4230DY	4100DY	14700DY
SELENIUM UG/L	2UY	4UY	2UY	4UY	2UY
SILICON					
SODIUM UG/L	17000DY	3510DY	3540DY	8250DY	7720DY
STRONTIUM					
VANADIUM UG/L	5UY	62.7DY	5UY	18.5DY	5UY
ZINC UG/L	16.3DY	2070DY	73.5DY	87.1DY	32.3DY

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EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - METALS
FCAP

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SAMPLE ID:	05005	05005	05007	GW-512	GW-512
SUB-SAMPLE ID:	DFCAP	DFCPF	FCAP	00000	F
STATION ID:	GW676	GW676	GW672	GW-512	GW-512
SAMPLE DATE:	10/17/1990	10/17/1990	10/15/1990	06/15/1990	06/15/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	1620DY	73.5DY	20.7DYJ	20UN	20UN
ARSENIC UG/L	2UY	2UY	2UY	50UN	50UN
BARIUM UG/L	66.3DY	61.8DY	3.1DY	27DN	29DN
BERYLLIUM UG/L	0.3UY	0.3UY	0.3UY	0.33DN	0.3UN
BORON UG/L				220DN	4UN
CADMIUM UG/L	3UY	3UY	3UY	3UN	21DN
CADMIUM UG/L				2UN	2UN
CALCIUM UG/L	77800DY	77100DY	152DY	35000DN	34000DN
CHROMIUM UG/L	10UY	10UY	10UY	10UN	10UN
CHROMIUM UG/L				10UN	10UN
COBALT UG/L	5UY	5UY	5UY	5UN	5UN
COPPER UG/L	4UY	4UY	4UY	4UN	4.6DN
IRON UG/L	1030DY	23.9DY	14.6DY	4UN	150DN
LEAD UG/L	3.7DYJ	2.2DYJ	2UYR	50UN	140DN
LEAD UG/L				4UN	4UN
MAGNESIUM UG/L	19000DY	16500DY	23.4DYJ	22000DN	21000DN
MANGANESE UG/L	361DY	682DY	2.2DY	1UN	2.9DN
MERCURY UG/L	0.2UY	0.2UY	0.2UY	0.2UN	0.2UN
NICKEL UG/L	10UY	10UY	10UY	10UN	10UN
NIOBIUM UG/L	7UY	7UY	7UY		
PHOSPHORUS UG/L	200UY	200UY	200UY		
POTASSIUM UG/L	1950DY	1410DY	600UY	3600DN	3400DN
SELENIUM UG/L	2UY	2UY	2UY	50UN	50UN
SILICON UG/L				6500DN	5400DN
SODIUM UG/L	10500DY	7460DY	378DY	1200DN	700DN
STRONTIUM UG/L				23DN	22DN
VANADIUM UG/L	5UY	5UY	5UY	5UN	5UN
ZINC UG/L	17.2DY	18.2DY	14.6DY	6.9DN	8.3DN

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - METALS
FCAIP

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SAMPLE ID:	GW-513	GW-513	GW-514	GW-514	GW-514
SUB-SAMPLE ID:	00000	F	00000	DUP	DUPF
STATION ID:	GW-513	GW-513	GW-514	GW-514	GW-514
SAMPLE DATE:	06/15/1990	06/15/1990	06/18/1990	06/18/1990	06/18/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	20UN	50UN	20UN	20UN	20UN
ARSENIC UG/L	50UN	50UN	50UN	50UN	50UN
BARIUM UG/L	7.60N	7.90N	7.50N	7.10N	7.80N
BERYLLIUM UG/L	0.3UN	0.3UN	0.3UN	0.3UN	0.3UN
BORON UG/L	2400N	320N	150N	180N	4UN
CADMIUM UG/L	3UN	3UN	3UN	3UN	3UN
CADMIUM UG/L	2UN	2UN	2UN	2UN	2UN
CALCIUM UG/L	350000N	350000N	340000N	340000N	340000N
CHROMIUM UG/L	10UN	10UN	110N	140N	10UN
CHROMIUM UG/L	10UN	10UN	10UN	10UN	10UN
COBALT UG/L	5UN	5UN	5UN	5UN	5UN
COPPER UG/L	4UN	6.10N	220N	7.70N	4UN
IRON UG/L	4UN	4UN	2300N	2800N	9.10N
LEAD UG/L	50UN	50UN	50UN	50UN	50UN
LEAD UG/L	4UN	4UN	4UN	4UN	4UN
MAGNESIUM UG/L	220000N	220000N	210000N	210000N	210000N
MANGANESE UG/L	1UN	1UN	7.10N	100N	7.10N
MERCURY UG/L	0.2UN	0.2UN	0.2UN	0.2UN	0.2UN
NICKEL UG/L	10UN	100N	140N	10UN	10UN
NIOSIUM					
PHOSPHORUS					
POTASSIUM UG/L	17000N	14000N	13000N	10000N	10000N
SELENIUM UG/L	50UN	50UN	50UN	50UN	50UN
SILICON UG/L	45000N	37000N	39000N	39000N	41000N
SODIUM UG/L	15000N	7500N	7000N	5800N	3700N
STRONTIUM UG/L	220N	220N	210N	210N	210N
VANADIUM UG/L	5UN	5UN	5UN	5UN	5UN
ZINC UG/L	1UN	1UN	120N	7.80N	1.20N

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RAD5 ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - METALS
FCAP

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SAMPLE ID: GW-514
SUB-SAMPLE ID: F
STATION ID: GW-514
SAMPLE DATE: 06/18/1990
SAMPLE TIME:
SAMPLE MATRIX: GW
UPPER DEPTH:
LOWER DEPTH:

ALUMINUM UG/L 24DN
ARSENIC UG/L 50UN
✓ BARIUM UG/L 7.3DN
BERYLLIUM UG/L 0.3UN
BORON UG/L 19DN

CADMIUM UG/L 3UN
CADMIUM UG/L 2UN
✓ CALCIUM UG/L 34000DN
CHROMIUM UG/L 14DN
CHROMIUM UG/L 10UN

COBALT UG/L 5UN
COPPER UG/L 5.4DN
✓ IRON UG/L 63DN
✓ LEAD UG/L 50UN
LEAD UG/L 4UN

✓ MAGNESIUM UG/L 21000DN
✓ MANGANESE UG/L 7.1DN
MERCURY UG/L 0.2UN
NICKEL UG/L 10UN
✓ NIOBIUM

PHOSPHORUS
✓ POTASSIUM UG/L 1100DN
SELENIUM UG/L 50UN
SILICON UG/L 3800DN
✓ SODIUM UG/L 630DN

STRONTIUM UG/L 21DN
VANADIUM UG/L 5UN
✓ ZINC UG/L 4.4DN

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
GRA		GROSS ALPHA
GR6		GROSS BETA
RAD		TOTAL RADIUM
URN		TOTAL URANIUM (FLUOROMETRIC)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

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SAMPLE ID:	05000	05000	05001
SUB-SAMPLE ID:	FCAP	FCAPF	FCAP
STATION ID:	GW321	GW321	GW672
SAMPLE DATE:	10/16/1990	10/16/1990	10/15/1990
SAMPLE TIME:			
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	OUY	27.1 +/- 35.4DYJ	21.08 +/- 34.9DYJ
GROSS BETA PCI/L	OUY	OUY	OUY
TOTAL RADIUM PCI/L	0.29733 +/- 0.021DN	0.18921 +/- 0.02DN	1.27041 +/- 0.036DN
TOTAL URANIUM (FLUOROMETRIC) PCI/L	0.72UY	0.72UY	1.44 +/- 0.001DY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

SAMPLE ID:	05001	05002	05002
SUB-SAMPLE ID:	FCAPF	FCAP	FCAPF
STATION ID:	GW672	GW673	GW673
SAMPLE DATE:	10/15/1990	10/16/1990	10/16/1990
SAMPLE TIME:			
SAMPLE MATRIX:			
UPPER DEPTH:	GW	GW	GW
LOWER DEPTH:			
GROSS ALPHA PCI/L	11.45 +/- 33.3DYJ	91.34 +/- 43DY	1.61 +/- 32.2DYJ
GROSS BETA PCI/L	OUY	25.61 +/- 79.8DYJ	OUY
TOTAL RADIUM PCI/L	0.37842 +/- 0.027DM	OUW	0.35139 +/- 0.023DM
TOTAL URANIUM (FLUOROMETRIC) PCI/L	1.44 +/- 0.001DY	0.72 +/- 0.001DY	0.72 +/- 0.001DY

NNN+/-XXABCCCCD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
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EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

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	05003	05003	05004
SAMPLE ID:	FCAP	FCAPF	FCAP
SUB-SAMPLE ID:	GW674	GW674	GW676
STATION ID:			
SAMPLE DATE:	10/16/1990	10/16/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PC1/L	46.07 +/- 37.8DY	OUY	28.7 +/- 36DN
GROSS BETA PC1/L	OUY	OUY	OUN
TOTAL RADIUM PC1/L	1.16229 +/- 0.034DN	0.8109 +/- 0.03DN	0.5406 +/- 0.027DN
TOTAL URANIUM (FLUOROMETRIC) PC1/L	1.44 +/- 0.001DY	1.44 +/- 0.001DY	0.72 +/- 0.001DY

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

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SAMPLE ID:	05004	05005	05005
SUB-SAMPLE ID:	FCAPF	DFCAP	DFCPF
STATION ID:	GU676	GU676	GU676
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:			
UPPER DEPTH:	GW	GW	GW
LOWER DEPTH:			
GROSS ALPHA PCI/L	42.96 +/- 25.90Y	70.56 +/- 40.90Y	11.04 +/- 33.60YJ
GROSS BETA PCI/L	96.13 +/- 64.20Y	128.04 +/- 84.60Y	0UY
TOTAL RADIUM PCI/L	0.5406 +/- 0.0230W	0.51357 +/- 0.0260W	0.78387 +/- 0.0290W
TOTAL URANIUM (FLUOROMETRIC) PCI/L	1.44 +/- 0.0010Y	1.44 +/- 0.0010Y	1.44 +/- 0.0010Y

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RAD5 ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

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SAMPLE ID:	05007	GW-512	GW-512
SUB-SAMPLE ID:	FCAP	00000	F
STATION ID:	GW672	GW-512	GW-512
SAMPLE DATE:	10/15/1990	06/15/1990	06/15/1990
SAMPLE TIME:			
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	OUY	0.28 +/- 1.2DN	
GROSS BETA PCI/L	OUY	7.91 +/- 3.3DN	
TOTAL RADIUM PCI/L	OUN		
TOTAL URANIUM (FLUOROMETRIC) PCI/L	0.72UY	0.72UN	0.72UN

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

SAMPLE ID:	GW-513	GW-514	
SUB-SAMPLE ID:	00000	00000	
STATION ID:	GW-513	GW-514	
SAMPLE DATE:	06/15/1990	06/18/1990	
SAMPLE TIME:			
SAMPLE MATRIX:	GW	GW	
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	0.28 +/- 1.2DN	0.39 +/- 1DN	
GROSS BETA PCI/L	3.96 +/- 3DN	3.14 +/- 3.1DN	
TOTAL RADIUM	0.72UN		
TOTAL URANIUM (FLUOROMETRIC) PCI/L		0.72 +/- 0N	

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - RAD
FCAP

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SAMPLE ID:	GW-514	GW-514	GW-514
SUB-SAMPLE ID:	DUP	DUPF	F
STATION ID:	GW-514	GW-514	GW-514
SAMPLE DATE:	06/18/1990	06/18/1990	06/18/1990
SAMPLE TIME:			
SAMPLE MATRIX:	GW	GW	GW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	0.73 +/- 1DN		
GROSS BETA PCI/L	3.49 +/- 3.1DN		
TOTAL RADIUM			
TOTAL URANIUM (FLUOROMETRIC) PCI/L	0.72 +/-DN	0.72 +/-DN	0.72 +/-DN

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
ALK		Alkalinity
BIC		BICARBONATE
CL		CHLORIDE IC
DO		DISSOLVED OXYGEN
TDS		DISSOLVED SOLIDS
FL		FLUORIDE IC
NO3		NITRATE
RDX		REDOX
SO4		SULFATE
TSS		SUSPENDED SOLIDS
TOC		TOTAL ORGANIC CARBON (TOC)
TOX		TOTAL ORGANIC HALIDES (TOX)
URN		TOTAL URANIUM (FLUOROMETRIC)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
GROUNDWATER - PHYSICAL PROPERTIES
FCAP

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SAMPLE ID:	05000	05000	05001	05001	05002
SUB-SAMPLE ID:	FCAP	FCAPF	FCAP	FCAPF	FCAP
STATION ID:	GW321	GW321	GW672	GW672	GW673
SAMPLE DATE:	10/16/1990	10/16/1990	10/15/1990	10/15/1990	10/16/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
Alkalinity UG/L	1190000Y	1190000Y	2820000Y	2790000Y	1210000Y
BICARBONATE					
CHLORIDE IC UG/L	10000Y	10000Y	30000Y	30000Y	20000Y
DISSOLVED OXYGEN					
DISSOLVED SOLIDS UG/L	1480000Y	1380000Y	3820000Y	3740000Y	2220000Y
FLUORIDE IC UG/L	100UY	100UY	1000Y	1000Y	10000Y
NITRATE UG/L	10000YJ	10000YJ	30000YJ	40000YJ	10000YJ
REDOX					
SULFATE UG/L	20000Y	20000Y	370000Y	370000Y	270000Y
SUSPENDED SOLIDS UG/L	380000Y	10000Y	11700000Y	20000Y	10000Y
TOTAL ORGANIC CARBON (TOC) UG/L	40000Y	20000Y	20000YJ	20000YJ	100000Y
TOTAL ORGANIC HALIDES (TOX) UG/L	10UY	10UY	540YJ	1200YJ	3510YJ
TOTAL URANIUM (FLUOROMETRIC) UG/L	1UY	1UY	2DY	2DY	1DY

MNM+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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SAMPLE ID:	05002	05003	05003	05004	05004
SUB-SAMPLE ID:	FCAPF	FCAP	FCAPF	FCAP	FCAPF
STATION ID:	GW673	GW674	GW674	GW676	GW676
SAMPLE DATE:	10/16/1990	10/16/1990	10/16/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
Alkalinity UG/L	1430000Y	2240000Y	2260000Y	1850000Y	2160000Y
BICARBONATE					
CHLORIDE IC UG/L	20000Y	20000Y	20000Y	50000Y	40000Y
DISSOLVED OXYGEN					
DISSOLVED SOLIDS UG/L	2260000Y	2600000Y	2680000Y	3360000Y	3140000Y
FLUORIDE IC UG/L	10000Y	2000Y	2000Y	2000Y	2000Y
NITRATE UG/L	1000UY	1000UY	1000UY	70000YJ	50000YJ
REDOX					
SULFATE UG/L	270000Y	270000Y	270000Y	100000Y	80000Y
SUSPENDED SOLIDS UG/L	1000UY	1000UY	20000Y	5260000Y	1000UY
TOTAL ORGANIC CARBON (TOC) UG/L	90000Y	70000Y	80000Y	10000Y	20000Y
TOTAL ORGANIC HALIDES (TOX) UG/L	10UY	10UY	10UY	10UY	130YJ
TOTAL URANIUM (FLUOROMETRIC) UG/L	10Y	20Y	20Y	10Y	20Y

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JW = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	05005	05005	05007	GW-512	GW-512
SUB-SAMPLE ID:	DFCAP	DFCPF	FCAP	00000	F
STATION ID:	GW676	GW676	GW672	GW-512	GW-512
SAMPLE DATE:	10/17/1990	10/17/1990	10/15/1990	06/15/1990	06/15/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
Alkalinity UG/L	2080000Y	2300000Y	30000Y		
BICARBONATE UG/L				1180000N	
CHLORIDE IC UG/L	50000Y	40000Y	1000UY	10000N	
DISSOLVED OXYGEN PPM				5.30N	
DISSOLVED SOLIDS UG/L	2980000Y	3180000Y	140000Y	1700000N	
FLUORIDE IC UG/L	2000Y	2000Y	100UY		
NITRATE UG/L	70000YJ	50000YJ	1000UY		
REDOX MV				1970N	
SULFATE UG/L	100000Y	80000Y	1000UY	10000N	
SUSPENDED SOLIDS UG/L	4080000Y	30000Y	1000UY	30000N	
TOTAL ORGANIC CARBON (TOC) UG/L	10000Y	20000Y	1000UY	10000N	
TOTAL ORGANIC HALIDES (TOX) UG/L	10UY	10UY	10UY	10000UN	
TOTAL URANIUM (FLUOROMETRIC) UG/L	2000Y	20Y	1UY	1UN	1UN

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

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SAMPLE ID:	GW-513	GW-513	GW-514	GW-514	GW-514
SUB-SAMPLE ID:	00000	F	00000	DUP	DUPF
STATION ID:	GW-513	GW-513	GW-514	GW-514	GW-514
SAMPLE DATE:	06/15/1990	06/15/1990	06/18/1990	06/18/1990	06/18/1990
SAMPLE TIME:					
SAMPLE MATRIX:	GW	GW	GW	GW	GW
UPPER DEPTH:					
LOWER DEPTH:					
Alkalinity					
BICARBONATE UG/L	176000DN		172000DN	171000DN	
CHLORIDE IC UG/L	1000DN		1000DN	1000DN	
DISSOLVED OXYGEN PPM	5.4DN		4.6DN	4.5DN	
DISSOLVED SOLIDS UG/L	166000DN		188000DN	184000DN	
FLUORIDE IC					
NITRATE					
REDOX MV	181DN		138DN	143DN	
SULFATE UG/L	2000DN		4000DN	4000DN	
SUSPENDED SOLIDS UG/L	3000DN		1000DN	1000DN	
TOTAL ORGANIC CARBON (TOC) UG/L	1000DN		1000DN	1000DN	
TOTAL ORGANIC HALIDES (TOX) UG/L	10UN		10UN	10UN	
TOTAL URANIUM (FLUOROMETRIC) UG/L	1UN	1UN	1DN	1DN	1DN

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

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SAMPLE ID: GW-514
SUB-SAMPLE ID: F
STATION ID: GW-514
SAMPLE DATE: 06/18/1990
SAMPLE TIME:
SAMPLE MATRIX: GW
UPPER DEPTH:
LOWER DEPTH:

Alkalinity
BICARBONATE
CHLORIDE IC
DISSOLVED OXYGEN
DISSOLVED SOLIDS

FLUORIDE IC
NITRATE
REDOX
SULFATE
SUSPENDED SOLIDS

TOTAL ORGANIC CARBON (TOC)
TOTAL ORGANIC HALIDES (TOX)
TOTAL URANIUM (FLUOROMETRIC) UG/L 1DN

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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FCAP Sample Tracking, Surface Water

					Metals		Rad		Physical Properties	
Number	Station	Date	VOA	BNA	T	D	T	D	T	D
DW-S3	MCB-S3	30 JUL 90	X	X	X	X	X		X	
DW-S4	MCB-S4	30 JUL 90	X	X	X	X	X		X	
DW-S5	MCB-S5	30 JUL 90	X	X	X	X	X		X	
DW-S6	MCB-S6	30 JUL 90	X	X	X	X	X		X	
WW-S3	MCB-S3	08 OCT 90			X	X	X		X	
WW-S4	MCB-S4	08 OCT 90			X	X	X		X	
WW-S5	MCB-S5	08 OCT 90			X	X	X		X	
WW-S6	MCB-S6	08 OCT 90			X	X	X		X	
E1	MCB-DW	30 JUL 90	X	X	X	X	Equipment blank			
WW-S7	CB-W	08 OCT 90			X		Equipment blank			
F1	MCB-DW	30 JUL 90	X				Field blank			

T - Total

D - Dissolved

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - METALS
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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
CA	7440-70-2	CALCIUM
CU	7440-50-8	COPPER
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
MG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
NBM	7440-03-1	NIOSIUM
K	7440-09-7	POTASSIUM
NA	7440-23-5	SODIUM
ZN	7440-66-6	ZINC

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

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SAMPLE ID:	DW-S3	DW-S3	DW-S4	DW-S4	DW-S5
SUB-SAMPLE ID:	00000	F	00000	F	00000
STATION ID:	MCB-S3	MCB-S3	MCB-S4	MCB-S4	MCB-S5
SAMPLE DATE:	07/30/1990	07/30/1990	07/30/1990	07/30/1990	07/30/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	129DYJ	32DY	39.4DYJ	38.2DY	39.4DYJ
ARSENIC UG/L	84.8DY	32DY	21DY	19.9DY	2.1DY
BARIUM UG/L	60.6DY	65.6DY	49.6DY	48.9DY	78.5DY
CALCIUM UG/L	43900DY	43200DY	45500DY	44200DY	44700DY
COPPER UG/L	4UY	7.1DY	4UY	4.5DY	4.1DY
IRON UG/L	1360DY	316DY	5.8DY	14.7DYJ	4UY
LEAD UG/L	0.8UY	0.8UY	0.8UY	0.8UY	0.8UY
MAGNESIUM UG/L	13600DY	13200DY	13500DY	12900DY	14700DY
MANGANESE UG/L	513DY	1000DY	16.8DY	29.6DY	1UY
NIOBIUM UG/L	7UY	7UY	7UY	8.5DYJ	7.9DYJ
POTASSIUM UG/L	4940DY	4430DY	4530DY	4450DY	2070DY
SODIUM UG/L	2780DY	2740DY	2920DY	3160DY	1850DY
ZINC UG/L	3.30DYJ	60DY	2.90DYJ	3.10DYJ	3.60DYJ

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EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - METALS
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SAMPLE ID:	DW-S5	DW-S6	DW-S6	DW-S6	WW-S3
SUB-SAMPLE ID:	F	00000	DUPF	F	00000
STATION ID:	MCB-S5	MCB-S6	MCB-S6	MCB-S6	MCB-S3
SAMPLE DATE:	07/30/1990	07/30/1990	07/30/1990	07/30/1990	10/08/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	38.2DY	48.7DYJ	50.5DY		79.8DYJ
ARSENIC UG/L	2.1UY	2.1UY		2.1UY	35.4DY
BARIUM UG/L	78.2DY	70.2DY	77.9DY		71.7DY
CALCIUM UG/L	45300DY	32300DY	44800DY		46700DY
COPPER UG/L	4.9DY	4UY	4UY		4UY
IRON UG/L	18.3DYJ	4UY	15.1DYJ		550DY
LEAD UG/L	0.8UY	0.8UY		0.8DYJ	0.8UY
MAGNESIUM UG/L	14400DY	13600DY	14200DY		14400DY
MANGANESE UG/L	28.1DY	1UY	28.8DY		1090DY
NIOBIUM UG/L	7UY	7UY	7UY		9.5DYJ
POTASSIUM UG/L	2130DY	2040DY	2000DY		4700DY
SODIUM UG/L	1730DY	1690DY	1720DY		2960DY
ZINC UG/L	5DYJ	2.1DYJ	5.6DYJ		7DYJ

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EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE WATER - METALS
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SAMPLE ID:	WW-S3	WW-S4	WW-S4	WW-S5	WW-S5
SUB-SAMPLE ID:	F	00000	F	00000	F
STATION ID:	MCB-S3	MCB-S4	MCB-S4	MCB-S5	MCB-S5
SAMPLE DATE:	10/08/1990	10/08/1990	10/08/1990	10/08/1990	10/08/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM UG/L	48.7DYJ	76.7DYJ	26.9DYJ	76.7DYJ	61.1DYJ
ARSENIC UG/L	20.9DY	20.8DY	23.9DY	2.4DY	2.4DY
BARIUM UG/L	67.2DY	53.4DY	48.9DY	84.1DY	82.8DY
CALCIUM UG/L	45900DY	46100DY	45600DY	51200DY	50400DY
COPPER UG/L	4UY	4UY	4UY	8.9DY	4UY
IRON UG/L	97.3DY	170DY	4UY	122DY	60.8DY
LEAD UG/L	0.8UY	0.8UY	0.8UY	0.8UY	0.8UY
MAGNESIUM UG/L	14100DY	13900DY	13700DY	14500DY	14200DY
MANGANESE UG/L	940DY	204DY	1UY	53.3DY	47.4DY
NIOBIUM UG/L	8.7DYJ	7UY	7UY	7UY	8.1DYJ
POTASSIUM UG/L	4510DY	4720DY	4920DY	2410DY	2490DY
SODIUM UG/L	2800DY	2780DY	2890DY	2020DY	1890DY
ZINC UG/L	5.4DYJ	15.3DY	4.7DYJ	9.1DYJ	5.1DYJ

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EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID: WW-S6
SUB-SAMPLE ID: 00000
STATION ID: MCB-S6
SAMPLE DATE: 10/08/1990
SAMPLE TIME:
SAMPLE MATRIX: SW
UPPER DEPTH:
LOWER DEPTH:

ALUMINUM UG/L 33.2DYJ
ARSENIC UG/L 2.1UY
BARIUM UG/L 1.3DY
CALCIUM UG/L 93.6DYJ
COPPER UG/L 4UY

IRON UG/L 4UY
LEAD UG/L 0.8UY
MAGNESIUM UG/L 12.2DYJ
MANGANESE UG/L 1UY
NIOBIUM UG/L 7UY

POTASSIUM UG/L 600UY
SODIUM UG/L 248DY
ZINC UG/L 2.4DYJ

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
GRA		GROSS ALPHA
GR6		GROSS BETA
RAD		TOTAL RADIUM
URN		TOTAL URANIUM (FLUOROMETRIC)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

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	DW-S3	DW-S4	DW-S5
SAMPLE ID:	00000	00000	00000
SUB-SAMPLE ID:	MCB-S3	MCB-S4	MCB-S5
STATION ID:	07/30/1990	07/30/1990	07/30/1990
SAMPLE DATE:			
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L	378.67 +/- 67.2DY	352.13 +/- 64.9DY	OUY
GROSS BETA PCI/L	936.17 +/- 114.7DY	580.7 +/- 99.6DY	OUY
TOTAL RADIUM PCI/L	0.5406 +/- 0.017DN	0.5406 +/- 0.016DN	0.5406 +/- 0.017DN
TOTAL URANIUM (FLUOROMETRIC) PCI/L	0.72 +/- 0.001DY	0.72 +/- 0.001DY	0.72UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
 SURFACE WATER - RAD
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SAMPLE ID:	DW-S6	DW-S6	WW-S3
SUB-SAMPLE ID:	00000	DUP	00000
STATION ID:	MCB-S6	MCB-S6	MCB-S3
SAMPLE DATE:	07/30/1990	07/30/1990	10/08/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PCI/L		OJY	OJY
GROSS BETA PCI/L		OJY	OJY
TOTAL RADIUM PCI/L		0.5406 +/- 0.017DN	0.48654 +/- 0.025DN
TOTAL URANIUM (FLUOROMETRIC) PCI/L	0.72UY		0.72 +/- 0.001DY

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	WW-S4	WW-S5	WW-S6
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-S4	MCB-S5	MCB-S6
SAMPLE DATE:	10/08/1990	10/08/1990	10/08/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
GROSS ALPHA PC1/L	2.37 +/- 4DYJ	OYJ	0.69 +/- 3.8DYJ
GROSS BETA PC1/L	OYJ	3.03 +/- 7.7DYJ	OYJ
TOTAL RADIUM PC1/L	OYN	0.56763 +/- 0.041DN	0.43248 +/- 0.023DN
TOTAL URANIUM (FLUOROMETRIC) PC1/L	0.72 +/- 0.001DY	0.72UY	0.72UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
DOP	117-84-0	DI-N-OCTYL PHTHALATE

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
 SURFACE WATER - SEMIVOLATILES
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SAMPLE ID:	DW-S3	DW-S4	DW-S5	DW-S6
SUB-SAMPLE ID:	00000	00000	00000	DUP
STATION ID:	MCB-S3	MCB-S4	MCB-S5	MCB-S6
SAMPLE DATE:	07/30/1990	07/30/1990	07/30/1990	07/30/1990
SAMPLE TIME:				
SAMPLE MATRIX:	SW	SW	SW	SW
UPPER DEPTH:				
LOWER DEPTH:				
DI-N-OCTYL PHTHALATE UG/L	10UY	27DYJ	10UY	10UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
ALK		Alkalinity
CL		CHLORIDE IC
CON		CONDUCTIVITY, UMHOS/CM
TDS		DISSOLVED SOLIDS
FL		FLUORIDE IC
NO3		NITRATE
PH1		PH
PHL		PHENOLS
SO4		SULFATE
TSS		SUSPENDED SOLIDS
TOC		TOTAL ORGANIC CARBON (TOC)
TOX		TOTAL ORGANIC HALIDES (TOX)
URN		TOTAL URANIUM (FLUOROMETRIC)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	DW-S3	DW-S4	DW-S5	DW-S6	WM-S3
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-S3	MCB-S4	MCB-S5	MCB-S6	MCB-S3
SAMPLE DATE:	07/30/1990	07/30/1990	07/30/1990	07/30/1990	10/08/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SW	SW	SW	SW	SW
UPPER DEPTH:					
LOWER DEPTH:					
Alkalinity UG/L	1480000Y	1590000Y	1640000Y	1610000Y	1550000Y
CHLORIDE IC UG/L	30000Y	20000Y	20000Y	20000Y	30000Y
CONDUCTIVITY, UMHOS/CM	340UY	339UY	335UY	334UY	3420Y
DISSOLVED SOLIDS UG/L	1800000Y	1800000Y	1680000Y	1740000Y	2260000Y
FLUORIDE IC UG/L	2000Y	2000Y	2000Y	2000Y	1000Y
NITRATE UG/L	1000UY	1000UY	10000YJ	10000YJ	1000UY
PH	7.4UY	7.8UY	7.9UY	8UY	7.630Y
PHENOLS UG/L	300YJ	30UY	30UY	30UY	30UY
SULFATE UG/L	240000Y	260000Y	140000Y	140000Y	240000Y
SUSPENDED SOLIDS UG/L	50000Y	80000Y	10000Y	20000Y	1000UY
TOTAL ORGANIC CARBON (TOC) UG/L	1000UY	1000UY	1000UY	1000UY	1000UY
TOTAL ORGANIC HALIDES (TOX) UG/L	100YJ	10UY	10UY	160YJ	10UY
TOTAL URANIUM (FLUOROMETRIC) UG/L	10Y	10Y	1UY	1UY	10Y

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 SURFACE WATER - PHYSICAL PROPERTIES
 FCAP

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SAMPLE ID:	MW-S4	MW-S5	MW-S6
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-S4	MCB-S5	MCB-S6
SAMPLE DATE:	10/08/1990	10/08/1990	10/08/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SW	SW	SW
UPPER DEPTH:			
LOWER DEPTH:			
Alkalinity UG/L	152000DY	171000DY	2000DY
CHLORIDE IC UG/L	3000DY	2000DY	1000UY
CONDUCTIVITY, UMHS/CM	340UY	350UY	1.2DY
DISSOLVED SOLIDS UG/L	214000DY	194000DY	1000UY
FLUORIDE IC UG/L	100DY	200DY	100UY
NITRATE UG/L	1000UY	1000UY	1000UY
PH	8.15UY	7.99UY	6.55DY
PHENOLS UG/L	30UY	30UY	30UY
SULFATE UG/L	26000DY	18000DY	1000UY
SUSPENDED SOLIDS UG/L	1000UY	1000UY	1000UY
TOTAL ORGANIC CARBON (TOC) UG/L	1000DY	1000DY	2000DY
TOTAL ORGANIC HALIDES (TOX) UG/L	10UY	10UY	10UY
TOTAL URANIUM (FLUOROMETRIC) UG/L	1DY	1UY	1UY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D = detected, J = estimated, R = unusable,
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

FCAP Sample Tracking, Ash/Soil

Number	Station	Date	VOA	BNA	Metals	Rad	Physical Properties
A1-S1 ✓	MCB-A1	17 OCT 90			X	X	X
A1-S2 ✓	MCB-A1	17 OCT 90			X	X	X
A2-A ✓	MCB-A2	17 OCT 90			X	X	X
A2-S1	MCB-A2	17 OCT 90			X	X	X
A3-A ✓	MCB-A3	17 OCT 90			X	X	X
A3-S1	MCB-A3	17 OCT 90			X	X	X
A3-S2	MCB-A3	17 OCT 90			X	X	X
A4-A	MCB-A4	17 OCT 90			X	X	X
A4-S1	MCB-A4	17 OCT 90			X	X	X
A4-S2	MCB-A4	17 OCT 90			X	X	X
A5-A	MCB-A5	17 OCT 90			X	X	X
A5-S1	MCB-A5	17 OCT 90			X	X	X
A5-S2	MCB-A5	17 OCT 90			X	X	X
A6-A	MCB-A6	17 OCT 90			X	X	X
A6-S1	MCB-A6	17 OCT 90			X	X	X
A6-S2	MCB-A6	17 OCT 90			X	X	X
A7-A	MCB-A3	17 OCT 90			X	X	X
A7-S1	MCB-A3	17 OCT 90			X	X	X
A7-S2	MCB-A3	17 OCT 90			X	X	X

MATRIX REPORT CHEMICAL LISTING

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
AL	7429-90-5	ALUMINUM
AS	7440-38-2	ARSENIC
BA	7440-39-3	BARIUM
BE	7440-41-7	BERYLLIUM
CD	7440-43-9	CADMIUM
CA	7440-70-2	CALCIUM
CR	7440-47-3	CHROMIUM
CO	7440-48-4	COBALT
CU	7440-50-8	COPPER
FE	7439-89-6	IRON
PB	7439-92-1	LEAD
HG	7439-95-4	MAGNESIUM
MN	7439-96-5	MANGANESE
HG	7439-97-6	MERCURY
NI	7440-02-0	NICKEL
PHS	7723-14-0	PHOSPHORUS
K	7440-09-7	POTASSIUM
SE	7782-49-2	SELENIUM
NA	7440-23-5	SODIUM
V	7440-62-6	VANADIUM
ZN	7440-66-6	ZINC

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - METALS
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SAMPLE ID:	A1-S1	A1-S2	A2-A	A2-S1	A3-A
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-A1	MCB-A1	MCB-A2	MCB-S2	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SS	SS	SS	SS	SS
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM MG/KG	9030DY	9550DY	18600DY	15300DY	20800DY
ARSENIC MG/KG	2.2DYJ	2.2DYJ	54.5DYJ	24.3DYJ	46.2DYJ
BARIUM MG/KG	89DY	118DY	684DY	109DY	548DY
BERYLLIUM MG/KG	0.6DY	0.71DY	3.2DY	1.2DY	2.9DY
CADMIUM MG/KG	2.1DY	0.88DY	1UY	1.5DY	4.2DY
CALCIUM MG/KG	2230DY	686DY	3460DY	1880DY	5130DY
CHROMIUM MG/KG	25DY	17.4DY	15.5DY	12DY	18.2DY
COBALT MG/KG	18DY	25DY	12DY	27.5DY	21.9DY
COPPER MG/KG	6.1DY	5.5DY	74.9DY	24.1DY	53.5DY
IRON MG/KG	19200DY	16900DY	18300DY	19800DY	64300DY
LEAD MG/KG	33.4DY	36.2DY	13DY	26DY	15.4DY
MAGNESIUM MG/KG	597DY	525DY	1140DY	970DY	1690DY
MANGANESE MG/KG	2240DY	2600DY	81.3DY	1830DY	672DY
MERCURY MG/KG	0.1DY	0.12DY	0.73DY	0.11DY	0.66DY
NICKEL MG/KG	6.7DY	8.3DY	29.1DY	34.2DY	40.7DY
PHOSPHORUS MG/KG	326DYJ	211DYJ	21800YJ	272DYJ	1060DYJ
POTASSIUM MG/KG	544DY	651DY	3570DY	1960DY	3670DY
SELENIUM MG/KG	0.24UY	0.24UY	9.1DYJ	2.2DYJ	5.3DYJ
SODIUM MG/KG	49.6DYJ	88.8DYJ	326DY	141DYJ	384DY
VANADIUM MG/KG	39.4DY	34.3DY	83.7DY	50DY	74.2DY
ZINC MG/KG	34.4DY	33.9DY	39.3DY	102DY	75.7DY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - METALS
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SAMPLE ID:	A3-S1	A3-S2	A4-A	A4-S1	A4-S2
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-A3	MCB-A3	MCB-A4	MCB-A4	MCB-A4
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SS	SS	SS	SS	SS
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM MG/KG	58300Y	74800Y	202000Y	112000Y	95000Y
ARSENIC MG/KG	28.30YJ	220YJ	54.20YJ	15.30YJ	10.60YJ
BARIUM MG/KG	71.40Y	77.10Y	3550Y	48.10Y	39.30Y
BERYLLIUM MG/KG	0.490Y	0.560Y	2.30Y	0.720Y	0.590Y
CADMIUM MG/KG	1.20Y	1.70Y	1.60Y	1.20Y	1.20Y
CALCIUM MG/KG	8580Y	9060Y	32100Y	6200Y	5180Y
CHROMIUM MG/KG	5.60Y	10.10Y	16.40Y	8.60Y	8.60Y
COBALT MG/KG	130Y	11.10Y	15.70Y	18.80Y	21.40Y
COPPER MG/KG	11.80Y	11.50Y	37.70Y	11.20Y	10.70Y
IRON MG/KG	201000Y	196000Y	299000Y	145000Y	136000Y
LEAD MG/KG	12.50Y	6.50Y	14.30Y	8.60Y	15.10Y
MAGNESIUM MG/KG	4730Y	6140Y	16200Y	9770Y	7320Y
MANGANESE MG/KG	9650Y	7020Y	5750Y	10300Y	10500Y
MERCURY MG/KG	0.050Y	0.060Y	0.190Y	0.070Y	0.070Y
NICKEL MG/KG	22.30Y	15.50Y	32.30Y	22.10Y	180Y
PHOSPHORUS MG/KG	1290YJ	1450YJ	7670YJ	97.30YJ	470Y
POTASSIUM MG/KG	9110Y	13100Y	39000Y	17800Y	13200Y
SELENIUM MG/KG	0.470YJ	0.230Y	1.70YJ	0.230Y	0.240Y
SODIUM MG/KG	1410YJ	1350YJ	3550Y	95.90YJ	45.40YJ
VANADIUM MG/KG	22.10Y	33.40Y	52.70Y	27.70Y	25.20Y
ZINC MG/KG	56.10Y	43.50Y	66.50Y	90.20Y	79.60Y

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SAMPLE ID:	A5-A	A5-S1	A5-S2	A6-A	A6-S1
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-A5	MCB-A5	MCB-A5	MCB-A6	MCB-A6
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SS	SS	SS	SS	SS
UPPER DEPTH:					
LOWER DEPTH:					
ALUMINUM MG/KG	12300DY	6080DY	18600DY	15000DY	9210DY
ARSENIC MG/KG	53.2DYJ	10.3DYJ	11.5DYJ	15.6DYJ	3.2DYJ
BARIUM MG/KG	2500Y	71DY	196DY	252DY	79.5DY
BERYLLIUM MG/KG	1.1DY	0.86UY	1.4DY	1.2DY	0.69UY
CADMIUM MG/KG	4.2DY	22.8DY	2.3DY	1.4DY	7DY
CALCIUM MG/KG	3300DY	12400DY	17800DY	6950DY	250000DY
CHROMIUM MG/KG	9.1DY	50.6DY	21.5DY	14.3DY	22.9UY
COBALT MG/KG	12.5DY	29.5DY	10.2DY	20DY	11.4UY
COPPER MG/KG	27.6DY	70.2DY	4.9DY	26DY	9.1UY
IRON MG/KG	51500DY	372000DY	21300DY	25200DY	13700DY
LEAD MG/KG	10.4DY	14.5DY	13.8DY	15.1DY	21.7DY
MAGNESIUM MG/KG	1090DY	3740DY	3320DY	1610DY	11200DY
MANGANESE MG/KG	577DY	2380DY	248DY	1200DY	425DY
MERCURY MG/KG	0.13DY	0.09DY	0.09DY	0.19DY	0.05DY
NICKEL MG/KG	26.4DY	40.4DY	15.3DY	21DY	22.9UY
PHOSPHORUS MG/KG	262DYJ	575UY	269DYJ	375DYJ	457UY
POTASSIUM MG/KG	2100DY	1720UY	2190DY	2800DY	2140DY
SELENIUM MG/KG	2.7DYJ	0.3DYJ	0.3UY	1.5DYJ	1.2UY
SODIUM MG/KG	257DY	626DY	125DYJ	290DY	177DY
VANADIUM MG/KG	37.7DY	94DY	29.4DY	40.2DY	12.7DY
ZINC MG/KG	46.2DY	81.7DY	46.6DY	72.3DY	84.5DY

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SURFACE SOILS - METALS
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SAMPLE ID:	A6-S2	A7-A	A7-S1	A7-S2
SUB-SAMPLE ID:	00000	00000	00000	00000
STATION ID:	MCB-A6	MCB-A3	MCB-A3	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:				
SAMPLE MATRIX:	SS	SS	SS	SS
UPPER DEPTH:				
LOWER DEPTH:				
ALUMINUM MG/KG	94600Y	149000Y	66700Y	85400Y
ARSENIC MG/KG	30YJ	59.20YJ	43.60YJ	41.70YJ
BARIUM MG/KG	71.60Y	4250Y	960Y	76.60Y
BERYLLIUM MG/KG	0.690Y	2.40Y	0.560Y	0.620Y
CADMIUM MG/KG	1.50Y	2.60Y	1.80Y	1.20Y
CALCIUM MG/KG	2200000Y	38300Y	10300Y	9630Y
CHROMIUM MG/KG	8.90Y	11.50Y	6.80Y	7.40Y
COBALT MG/KG	8.60Y	11.90Y	170Y	18.90Y
COPPER MG/KG	23.10Y	40.80Y	15.10Y	11.90Y
IRON MG/KG	130000Y	368000Y	249000Y	167000Y
LEAD MG/KG	27.10Y	16.60Y	11.40Y	11.90Y
MAGNESIUM MG/KG	78800Y	12100Y	6530Y	6940Y
MANGANESE MG/KG	3200Y	1940Y	8200Y	10200Y
MERCURY MG/KG	0.050Y	0.30Y	0.070Y	0.070Y
NICKEL MG/KG	9.90Y	27.80Y	21.90Y	18.40Y
PHOSPHORUS MG/KG	2270YJ	10000YJ	1430YJ	1260YJ
POTASSIUM MG/KG	19900Y	29300Y	10700Y	13700Y
SELENIUM MG/KG	0.240Y	1.40YJ	0.890YJ	0.50YJ
SODIUM MG/KG	1890Y	3320Y	860YJ	1060YJ
VANADIUM MG/KG	16.20Y	55.80Y	260Y	260Y
ZINC MG/KG	79.30Y	34.20Y	59.10Y	55.30Y

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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - RAD
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MATRIX REPORT CHEMICAL LISTING

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CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
CE7		CESIUM-137
GRA		GROSS ALPHA
GR6		GROSS BETA
TH8		THORIUM-228
TH4		THORIUM-234
URN		TOTAL URANIUM (FLUOROMETRIC)
UR5		URANIUM-235

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - RAD
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SAMPLE ID:	A1-S1	A1-S2	A2-A
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-A1	MCB-A1	MCB-A2
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SS	SS	SS
UPPER DEPTH:			
LOWER DEPTH:			
CESIUM-137 PCI/G	0.73 +/- 0.22DY	0.33 +/- 0.17DY	0.152 +/- 0.20YJ
GROSS ALPHA PCI/G	0.04 +/- 2.3DYJ	0.46 +/- 2.4DYJ	UY
GROSS BETA PCI/G	UY	UY	UY
THORIUM-228			
THORIUM-234			
TOTAL URANIUM (FLUOROMETRIC) PCI/G	2.88 +/-DY	2.16 +/-DY	5.04 +/-DY
URANIUM-235 WT %	UYLOW	UYLOW	UYINSE

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	A2-S1	A3-A	A3-S1
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-S2	MCB-A3	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SS	SS	SS
UPPER DEPTH:			
LOWER DEPTH:			
CESIUM-137 PCI/G	0.207 +/- 0.19DY	0.139 +/- 0.20DYJ	0.0645 +/- 0.15DYJ
GROSS ALPHA PCI/G	0.62 +/- 2.4DYJ	1.35 +/- 2.5DYJ	2.82 +/- 1.7DY
GROSS BETA PCI/G	OUY	OUY	2.46 +/- 3.3DYJ
THORIUM-228			
THORIUM-234			
TOTAL URANIUM (FLUOROMETRIC) PCI/G	3.6 +/-DY	5.76 +/-DY	2.88 +/-DY
URANIUM-235 WT %	UYLOW	0.76 +/- 0.01DY	UYLOW

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D = detected, J = estimated, R = unusable,
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	A3-S2	A4-A	A4-S1
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-A3	MCB-A4	MCB-A4
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SS	SS	SS
UPPER DEPTH:			
LOWER DEPTH:			
CESIUM-137 PCI/G	0.0855 +/- 0.23DYJ	0.0265 +/- 0.15DY	
GROSS ALPHA PCI/G	3.44 +/- 1.7DY	OYJ	
GROSS BETA PCI/G	2.91 +/- 3.4DYJ	OYJ	
THORIUM-228			
THORIUM-234			

TOTAL URANIUM (FLUOROMETRIC) PCI/G
URANIUM-235 WT %

2.16 +/-DY
UYLOW

5.04 +/-DY
UYINSF

2.16 +/-DY
UYLOW

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	A4-S1	A4-S2	A5-A
SUB-SAMPLE ID:	DUP	00000	00000
STATION ID:	MCB-A4	MCB-A4	MCB-A5
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SS	SS	SS
UPPER DEPTH:			
LOWER DEPTH:			
CESIUM-137 PCI/G	0.106 +/- 0.15DYJ	0.0315 +/- 0.15DYJ	0.0935 +/- 0.19DYJ
GROSS ALPHA PCI/G	2.73 +/- 1.7DY	5.99 +/- 2DY	2.39 +/- 1.6DY
GROSS BETA PCI/G	0.78 +/- 3.2DYJ	3.24 +/- 3.4DYJ	2.01 +/- 3.3DYJ
THORIUM-228			
THORIUM-234 PCI/G		5.15 +/- 1.3DY	
TOTAL URANIUM (FLUOROMETRIC) PCI/G		2.16 +/- 0Y	4.32 +/- 0Y
URANIUM-235 WT %		UYLOW	UYINSF

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	A5-S1	A5-S2	A6-A
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-A5	MCB-A5	MCB-A6
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SS	SS	SS
UPPER DEPTH:			
LOWER DEPTH:			
CESIUM-137 PCI/G	0.268 +/- 0.19DY	0.059 +/- 0.16DYJ	0.0695 +/- 0.15DYJ
GROSS ALPHA PCI/G	1.21 +/- 1.4DYJ	3.38 +/- 1.7DY	5.75 +/- 2DY
GROSS BETA PCI/G	OYJ	3.13 +/- 3.4DYJ	7.27 +/- 3.6DY
THORIUM-228 PCI/G			9.2 +/- 5.5DY
THORIUM-234 PCI/G			6.3 +/- 1.4DY

TOTAL URANIUM (FLUOROMETRIC) PCI/G	2.16 +/- -DY	5.04 +/- -DY	5.76 +/- -DY
URANIUM-235 WT %	UYLOW	UYINSF	UYINSF

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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 JW = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
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SAMPLE ID:	A6-S1	A6-S2	A7-A
SUB-SAMPLE ID:	00000	00000	00000
STATION ID:	MCB-A6	MCB-A6	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:			
SAMPLE MATRIX:	SS	SS	SS
UPPER DEPTH:			
LOWER DEPTH:			
CESIUM-137 PCI/G	-0.0565 +/- 0.15DY	0.068 +/- 0.2DY	0.0505 +/- 0.15DYJ
GROSS ALPHA PCI/G	0.6 +/- 1.3DYJ	1.6 +/- 1.5DY	1.21 +/- 2.4DYJ
GROSS BETA PCI/G	0.11 +/- 3.2DYJ	4.14 +/- 3.4DY	OUY
THORIUM-228			
THORIUM-234 PCI/G	5.1 +/- 1.3DY		
TOTAL URANIUM (FLUOROMETRIC) PCI/G	1.44 +/-DY	1.44 +/-DY	9.36 +/-DY
URANIUM-235 WT %	UYLOW	UYLOW	UYINSF

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
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EDMS CHEMICAL OBSERVATIONS MATRIX
 SURFACE SOILS - RAD
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SAMPLE ID:	A7-S1	A7-S2
SUB-SAMPLE ID:	00000	00000
STATION ID:	MCB-A3	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990
SAMPLE TIME:		
SAMPLE MATRIX:	SS	SS
UPPER DEPTH:		
LOWER DEPTH:		
CESIUM-137 PCI/G	0.0447 +/- 0.15DYJ	0.103 +/- 0.15DYJ
GROSS ALPHA PCI/G	1.76 +/- 1.6DY	6.3 +/- 2.1DY
GROSS BETA PCI/G	5.59 +/- 3.4DY	1.68 +/- 3.3DYJ
THORIUM-228		
THORIUM-234		

TOTAL URANIUM (FLUOROMETRIC) PCI/G	2.16 +/-DY	2.16 +/-DY
URANIUM-235 WT %	UYLOW	UYLOW

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D = detected, J = estimated, R = unusable,
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - PHYSICAL PROPERTIES
FCAP

MATRIX REPORT CHEMICAL LISTING

EDMS-001
05/20/91
PAGE: 1

CHEMICAL CODE	CAS NUMBER	CHEMICAL NAME
URN		TOTAL URANIUM (FLUOROMETRIC)

This report is a listing of all chemicals found in the database for the selected group of data in the Matrix Report.

EDMS CHEMICAL OBSERVATIONS MATRIX
 SURFACE SOILS - PHYSICAL PROPERTIES
 FCAP

EDMS-001
 05/20/91
 PAGE: 1

SAMPLE ID:	A1-S1	A1-S2	A2-A	A2-S1	A3-A
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-A1	MCB-A1	MCB-A2	MCB-S2	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SS	SS	SS	SS	SS
UPPER DEPTH:					
LOWER DEPTH:					
TOTAL URANIUM (FLUOROMETRIC) MG/KG	4DY	3DY	7DY	5DY	8DY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D = detected, J = estimated, R = unusable,
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - PHYSICAL PROPERTIES
FCAP

EDMS-001
05/20/91
PAGE: 2

SAMPLE ID:	A3-S1	A3-S2	A4-A	A4-S1	A4-S2
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-A3	MCB-A3	MCB-A4	MCB-A4	MCB-A4
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SS	SS	SS	SS	SS
UPPER DEPTH:					
LOWER DEPTH:					
TOTAL URANIUM (FLUOROMETRIC) MG/KG	4DY	3DY	7DY	3DY	3DY

NNH+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
 SURFACE SOILS - PHYSICAL PROPERTIES
 FCAP

EDMS-001
 05/20/91
 PAGE: 3

SAMPLE ID:	A5-A	A5-S1	A5-S2	A6-A	A6-S1
SUB-SAMPLE ID:	00000	00000	00000	00000	00000
STATION ID:	MCB-A5	MCB-A5	MCB-A5	MCB-A6	MCB-A6
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:					
SAMPLE MATRIX:	SS	SS	SS	SS	SS
UPPER DEPTH:					
LOWER DEPTH:					
TOTAL URANIUM (FLUOROMETRIC) MG/KG	60Y	30Y	70Y	80Y	20Y

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RAD5 ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
 U = less than detection limit, D = detected, J = estimated, R = unusable,
 JN = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

EDMS CHEMICAL OBSERVATIONS MATRIX
SURFACE SOILS - PHYSICAL PROPERTIES
FCAP

EDMS-001
05/20/91
PAGE: 4

SAMPLE ID:	A6-S2	A7-A	A7-S1	A7-S2
SUB-SAMPLE ID:	00000	00000	00000	00000
STATION ID:	MCB-A6	MCB-A3	MCB-A3	MCB-A3
SAMPLE DATE:	10/17/1990	10/17/1990	10/17/1990	10/17/1990
SAMPLE TIME:				
SAMPLE MATRIX:	SS	SS	SS	SS
UPPER DEPTH:				
LOWER DEPTH:				
TOTAL URANIUM (FLUOROMETRIC) MG/KG	2DY	13DY	3DY	3DY

NNN+/-XXABCCDD POSITIONALLY N=VALUE, (+/-XX=ERROR FACTOR FOR RADS ONLY), A=DETECTED, B=VALIDATED, C=FLAGS,
U = less than detection limit, D = detected, J = estimated, R = unusable,
JH = tentatively identified and estimated, UJ = not detected and detection limit is estimated.

APPENDIX C
PHASE 2 ANALYTICAL DATA

C-3

List of Samples Analyzed

KEY:

SAMPLE SUFFIXES

XX-XXX-01, -02	One sample taken at the location
XX-XXX-11, -12	Duplicate sample, highest values from both are combined
XX-XXX-11D, -12D	Lower results from duplicate sample (in QC samples)
GW-XXX-XX(F)	Filtered groundwater sample, analyzed for dissolved inorganics

ASH

Filled Coal Ash Pond (FCAP)

AB-001-01	Composite coal ash sample, Ash Boring #1
AB-002-11, -11D	Composite coal ash sample, Ash Boring #2
AB-002-EB	Equipment rinseate of AB-002-01 sampling equipment
AB-003-01	Composite coal ash sample, Ash Boring #3
AB-004-11, -11D	Composite coal ash sample, Ash Boring #4, and duplicate
AB-005-01	Composite coal ash sample, Ash Boring #5
AB-006-01	Composite coal ash sample, Ash Boring #6
AB-007-01	Composite coal ash sample, Ash Boring #7
AB-007-EB	Equipment rinseate of AB-007-01 sampling equipment
AB-008-01	Composite coal ash sample, Ash Boring #8 (incl MS/MSD)
AB-009-11, -11D	Composite coal ash sample, Ash Boring #9, and duplicate

Sluice Channel (SC)

SC-002-11, -11D	Composite coal ash from SC Transect #2, and duplicate
SC-004-01	Composite coal ash from SC Transect #4
SC-007-01	Composite coal ash from SC Transect #7 (incl MS/MSD)
SC-007-EB	Equipment rinseate of SC-007-01 sampling equipment

SOIL

Background (BKGD)

SO-010-11, -11D	Background surface soil, and duplicate
SO-010-EB	Equipment rinseate of SO-010-11 sampling equipment
SO-011-01	Background surface soil
SO-012-01	Background surface soil

Filled Coal Ash Pond (FCAP)

AT-001-01	Composite soil sample, Ash Transect #1
AT-002-01	Composite soil sample, Ash Transect #2
AT-003-01	Composite soil sample, Ash Transect #3
SO-001-11, -11D	Surface soil from Ash Transect #1 Sycamores, and duplicate
SO-001-EB	Equipment rinseate of SO-001-11 sampling equipment
SO-002-01	Surface soil from Ash Transect #2 Sycamores
SO-003-01	Surface soil from Ash Transect #3 Sycamores
SO-004-01	Surface soil from Ash Transect #1 Willows (incl MS/MSD)
SO-005-01	Surface soil from Ash Transect #2 Willows
SO-006-01	Surface soil from Ash Transect #3 Willows

Sluice Channel (SC)

SC-002-12, -12D	Composite soil from beneath SC-002-11, and duplicate
SC-004-02	Composite soil from beneath SC-004-01
SC-007-12, -12D	Composite soil from beneath SC-007-01

SEDIMENT

Background (BKGD)

SD-005-01	Background stream sediment, Walker Branch
SD-006-01	Background stream sediment, Walker Branch
SD-007-01	Background stream sediment, Walker Branch
SD-011-01	Background stream sediment, White Oak Creek headwaters

Filled Coal Ash Pond (FCAP)

SD-001-11, -11D	Spring sediment, west upper end of FCAP, and duplicate
SD-001-EB	Equipment rinseate of SD-001-11 sampling equipment
SD-002-01	Spring sediment, east upper end of FCAP

Upper McCoy Creek (UMC)

SD-003-01	Sediment, toe of dam, end of normal wet season (incl MS/MSD)
SD-003-02	Sediment, toe of dam, normal dry season (incl MS/MSD)
SD-003-EC	Equipment rinseate of SD-003-02 sampling equipment (incl MS/MSD)
SD-004-11, -11D	Spring sediment, McCoy Branch, and duplicate

SURFACE WATER

Background (BKGD)

SW-005-11, -11D	Background stream water, Walker Branch, and duplicate
SW-005-EB	Equipment rinseate of SW-005-11 sampling equipment
SW-006-01	Background stream water, Walker Branch
SW-007-01	Background stream water, Walker Branch
SW-010-01	Background pond water, reference pond
SW-011-01	Background stream water, White Oak Creek headwaters

Filled Coal Ash Pond (FCAP)

SW-002-01	Spring water, east upper end of FCAP
SW-002-EB	Equipment rinseate of SW-002-01 sampling equipment
SW-008-11, -11D	Pond water, upper east end of FCAP, and duplicate
SW-009-01	Pond water, upper west end of FCAP (incl MS/MSD)

Upper McCoy Creek (UMC)

SW-003-01	Spring water from toe of dam, end of normal wet season (incl MS/MSD)
SW-003-02	Spring water from toe of dam, normal dry season
SW-003-EC	Equipment rinseate of SW-003-02 sampling equipment
SW-004-11, 11D	Spring water, McCoy Branch, and duplicate
SW-012-01	Creek water, McCoy Branch, beginning of toxicity test
SW-012-12, -12D	Creek water, McCoy Branch, end of 7-day toxicity test (incl MS/MS)

GROUNDWATER

Sluice Channel (SC)

GW-512-01	Groundwater sample from monitoring well #512
GW-513-11, -11D	Groundwater sample from monitoring well #513, and duplicate
GW-514-01	Groundwater sample from monitoring well #514

Upper McCoy Creek (UMC)

GW-321-01	Groundwater sample from monitoring well #321 (incl MS/MSD)
GW-672-01	Groundwater sample from monitoring well #672
GW-673-01	Groundwater sample from monitoring well #673 (incl MS/MSD)
GW-674-01	Groundwater sample from monitoring well #674 (incl MS/MSD)
GW-674-EB	Equipment rinseate of GW-674-01 sampling equipment
GW-676-01	Groundwater sample from monitoring well #676

QUALITY CONTROL SAMPLES

XX-XXX-EB, -EC	Rinseate blank associated with that sample number
XX-XXX-XXMS	Matrix spike
XX-XXX-XXMSD	Matrix spike duplicate

Field Blanks

FB-POT-01	Field blank from potable water, at start of field work
FB-POT-02	Field blank from potable water, at end of field work
FB-HPL-01	Field blank from HPLC water, at start of field work
FB-HPL-02	Field blank from HPLC water, at end of field work
FB-DIW-01	Field blank from deionized water, at start of field work
FB-DIW-02	Field blank from deionized water, at end of field work

Trip Blanks

TB-01	TB-23
TB-01527	TB-24
TB-02	TB-25
TB-02528	TB-26
TB-03	TB-27
TB-10	TB-28
TB-11	TB-29
TB-12	TB-30
TB-13	TB-31
TB-21	TB-32
TB-22	

C-4

List of Samples Collected for the Phase II RI

	VOAs	Assoc TB	SVOAs	Pest/PCBs	Inorganics	Cr6+	Inorg (Filt)	Alph/Beta	Iso Th/U	Total
ASH										
Filled Coal Ash Pond (FCAP)										
AB-001-01			64		23			2	6	95
AB-002-01	33	TB-02528	64	28	23			2	6	156
AB-002-RE	33	TB-02528	64							97
AB-003-01			64		23			2	6	95
AB-004-01	33	TB-12	64	28	23				6	154
AB-004-11	33	TB-12	64	28	23				6	154
AB-005-01			64		23				6	93
AB-006-01			64		23				6	93
AB-007-01			64		23				6	93
AB-008-01	33	TB-13	64	28	23				6	154
AB-009-01			64		23				6	93
AB-009-11			64		23				6	93
Sluice Channel (SC)										
SC-002-01			64		23				6	93
SC-002-11			64		23				6	93
SC-004-01			64		23				6	93
SC-007-01			64		23				6	93
SOIL										
Background (BKGD)										
SO-010-01			64		23				6	93
SO-010-11			64		23				6	93
SO-011-01			64		23				6	93
SO-012-01			64		23				6	93
Filled Coal Ash Pond (FCAP)										
AT-001-01			64		23				6	93
AT-002-01			64		23				6	93
AT-003-01			64		23				6	93
SO-001-01			64		23				6	93
SO-001-11			64		23				6	93
SO-002-01			64		23				6	93
SO-003-01			64		23				6	93
SO-004-01			64		23				6	93
SO-005-01			64		23				6	93
SO-006-01			64		23				6	93
Sluice Channel (SC)										
SC-002-02			64		23				6	93
SC-002-12			64		23				6	93
SC-004-02			64		23				6	93
SC-007-02			64		23				6	93
SC-007-12			64		23					87
SEDIMENT										
Background (BKGD)										
SD-005-01			64		23				6	93
SD-006-01			64		23				6	93
SD-007-01			64		23				6	93
SD-011-01			64		23				6	93

List of Samples Collected for the Phase II RI

	VOAs	Assoc TB	SVOAs	Pest/PCBs	Inorganics	Cr6+	Inorg (Filt)	Alph/Beta	Iso Th/U	Total
SEDIMENT (cont.)										
Filled Coal Ash Pond (FCAP)										
SD-001-01 (no SW)	33	TB-02528	64		23			2	6	128
SD-001-11	33	TB-02528	64		23			2	6	128
SD-002-01	33	TB-02528	64		23			2	6	128
Upper McCoy Creek (UMC)										
SD-003-01	33	TB-03	64		23			2	6	128
SD-003-02	33	TB-30	64		23			2	6	128
SD-003-03	33		64		23			2	6	128
SD-004-01	33	TB-02, -03	64		23			2	6	128
SD-004-11	33	TB-02, -03	64		23			2	6	128
SURFACE WATER										
Background (BKGD)										
SW-005-01			64		23				6	93
SW-005-11			64		23				6	93
SW-006-01			64		23				6	93
SW-007-01			64		23				6	93
SW-010-01 (no SD)			64		23	1			6	94
SW-011-01			64		23				6	93
Filled Coal Ash Pond (FCAP)										
SW-002-01	33	TB-02528	64		23			2	6	128
SW-008-01 (no SD)			64		23	1			6	94
SW-008-11			64		23	1			6	94
SW-009-01 (no SD)			64		23	1			6	94
Upper McCoy Creek (UMC)										
SW-003-01	33	TB-01527, -02	64		23			2	6	128
SW-003-02	33	TB-29	64		23			2	6	128
SW-004-01	33	TB-02	64		23			2	6	128
SW-004-11	33	TB-02	64		23			2	6	128
SW-012-01			64		23	1		2	6	96
SW-012-02			64		23	1				88
SW-012-12			64		23	1				88
GROUNDWATER										
Sluice Channel (SC)										
GW-512-01	33	TB-21	64		23		23	2	6	151
GW-513-01	33	TB-22	64		23		23	2	6	151
GW-513-11	33	TB-22	64		23		23	2	6	151
GW-514-01	33	TB-28	64		23		23	2	6	151
Upper McCoy Creek (UMC)										
GW-321-01	33	TB-23	64		23		23	2	6	151
GW-672-01	33	TB-21	64		23		23	2	6	151
GW-673-01	33	TB-26	64		23		23	2	6	151
GW-674-01	33	TB-25	64		23		23	2	6	151
GW-676-01	33	TB-27	64		23		23	2	6	151
Totals	891		4672		1656	7	207	52	414	8011

List of Samples Collected for the Phase II RI

	VOAs	Assoc TB	SVOAs	Pest/PCBs	Inorganics	Cr6+	Inorg (Filt)	Alph/Beta	Iso Th/U	Total
QUALITY CONTROL SAMPLES										
ASH										
AB-002-EB	33	TB-02528	64		23			2	6	128
AB-002-01MS				28						28
AB-002-01MSD				28						28
AB-004-01MS				28						28
AB-004-01MSD				28						28
AB-007-EB	33	TB-10	64		23			2	6	128
AB-008-01MS	33	TB-13								33
AB-008-01MSD	33	TB-13								33
SC-007-01MS			64		18					82
SC-007-01MSD			64		24					88
SC-007-EB			64		23				8	95
SOIL										
SO-001-EB			64		23				6	93
SO-004-01MS			64		18					82
SO-004-01MSD			64		24					88
SO-010-EB	33	TB-01	64		23			2	6	128
SEDIMENT										
SD-001-EB	33	TB-02528	64		23			2	6	128
SD-003-01MS	33	TB-03	64		18					115
SD-003-01MSD	33	TB-03	64		24					121
SD-003-02MS	33	TB-30	64		17					114
SD-003-02MSD	33	TB-30	64		23					120
SD-003-EC	33	TB-31	64		23			2	6	128
SD-003-ECMS					19					19
SD-003-ECMSD					23					23
SURFACE WATER										
SW-002-EB	33	TB-02528	64		23			2	6	128
SW-003-01MS	33	TB-1527, -02	64							97
SW-003-01MSD	33	TB-1527, -02	64							97
SW-003-EC	33	TB-31	64		23				8	128
SW-005-EB			64		23				6	93
SW-009-01MS			64							64
SW-009-01MSD			64							64
SW-012-12MS			64							64
SW-012-12MSD			64							64

List of Samples Collected for the Phase II RI

VOAs		Assoc TB	SVOAs	Pest/PCBs	Inorganics	Cr6+	Inorg (Filt)	Alph/Beta	Iso Th/U	Total
QUALITY CONTROL SAMPLES (cont.)										
GROUNDWATER										
GW-321-01MS	33					19				52
GW-321-01MSD	33					23				56
GW-673-01MS					19					19
GW-673-01MSD					23					23
GW-674-01MS	33	TB-25								33
GW-674-01MSD	33	TB-25								33
GW-674-EB	33	TB-24	64		23			2	6	128
FIELD BLANKS										
FB-DIW-01	33	TB-11	64	28	23			2	6	156
FB-DIW-02	33	TB-32	64		23			2	6	128
FB-HPL-01	33	TB-13	64	28	23			2	6	156
FB-HPL-02	33	TB-32	64		23			2	6	128
FB-POT-01	33	TB-02	64		23			2	6	128
FB-POT-12	33	TB-29	64		23			2	6	128
TRIP BLANKS										
TB-01	33									33
TB-01527	33									33
TB-02	33									33
TB-02528	33									33
TB-03	33									33
TB-10	33									33
TB-11	33									33
TB-12	33									33
TB-13	33									33
TB-21	33									33
TB-22	33									33
TB-23	33									33
TB-24	33									33
TB-25	33									33
TB-26	33									33
TB-27	33									33
TB-28	33									33
TB-29	33									33
TB-30	33									33
TB-31	33									33
TB-32	33									33
Totals	1551		1984		641	0	42	26	106	4518

DEFINITION OF DATA QUALIFIERS

The terms flag and qualifier are used interchangeably by data validators. The following qualifiers are used to assess the usability of the data in the EPA CLP program and are used for Levels C and D:

Organic

- U** Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J** Indicates an estimated value. This flag is used either when estimating a concentration for TICs where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C** This flag applies to pesticide results where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ μ L in the final extract shall be confirmed by GC/MS.
- B** This flag is used when the analyte is found in the associated blank, as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC, as well as for a positively identified target compound list (TCL) compound.
- E** This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. This flag will *not* apply to pesticides/PCBs analyzed by GC/electron capture methods. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, the results of both analyses shall be reported.
- D** This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and *all* concentration values reported on that Form I are flagged with the "D" flag.
- A** This flag indicates that a TIC is a suspected aldol-condensation product.
- X** Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the Case Narrative. If more than one is required, use "Y" and "Z," as needed. If more than five qualifiers are required for a sample result, use the "X" flag to combine several flags, as needed. For instance, the "X" flag might combine the "A," "B," and "D" flags for some sample.

- R QC indicates that data are not usable (compound may or may not be present). Resampling and re-analysis are necessary for verification.
- Q No analytical result.

Inorganic

- E The reported value is estimated because of the presence of interference. An explanatory note must be included under "Comments" on the cover page (if the problem applies to all samples) or on the specific FORM I-IN (if it is an isolated problem).
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S The reported value was determined by the MSA.
- W Postdigestion spike for FAA analysis is out of control limits (85 to 115%); sample absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for the MSA is less than 0.995.

M (Method) Qualifier

- "P" for ICP
- "A" for Flame Atomic Absorption
- "F" for Furnace Atomic Absorption
- "CV" for Manual Cold Vapor Atomic Absorption
- "AV" for Automated Cold Vapor Atomic Absorption
- "AS" for Semiautomated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- "NR" if the analyte is not required to be analyzed

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
BKGD	SW	SVOA	SW-005-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	117-81-7	bis(2-Ethylhexyl)Phthalate	6.0000	J	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/04/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
BKGD	SW	SVOA	SW-005-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
BKGD	SW	SVOA	SW-005-11	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-005-11	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	51-28-5	2,4-Dinitrophenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	R	10.0000	UG/L	06/04/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
BKGD	SW	SVOA	SW-006-01	106-47-8	4-Chloroaniline	10.0000 UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	100-01-6	4-Nitroaniline	25.0000 UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	117-81-7	bis(2-Ethylhexyl)Phthalate	6.0000 J	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	108-95-2	Phenol	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-006-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	06/04/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
BKGD	SW	SVOA	SW-007-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	51-28-5	2,4-Dinitrophenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	100-01-6	4-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	205-99-2	Benzo(b)Fluoranthene	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	R	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	84-74-2	Di-n-Butylphthalate	1.0000	J	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	77-47-4	Hexachlorocyclopentadiene	10.0000	UJ	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/04/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	DateColl
BKGD	SW	SVOA	SW-007-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	87-86-5	Pentachlorophenol	25.0000	UJ	25.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-007-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/04/93
BKGD	SW	SVOA	SW-010-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	UJ	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
BKGD	SW	SVOA	SW-010-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	87-68-3	Hexachlorobutadiene	10.0000	UJ	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-010-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/03/93
BKGD	SW	SVOA	SW-011-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	541-73-1	1,3-Dichlorobenzene	10.0000	UJ	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	UJ	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	100-01-6	4-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	100-02-7	4-Nitrophenol	25.0000	U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/23/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
BKGD	SW	SVOA	SW-011-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 UJ	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	86-73-7	Fluorene	10.0000 UJ	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	108-95-2	Phenol	2.0000 J	10.0000	UG/L	06/23/93
BKGD	SW	SVOA	SW-011-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/23/93
FCAP	SW	VOA	SW-002-01	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	107-06-2	1,2-Dichloroethane	10.0000 UJ	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SW	VOA	SW-002-01	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	75-09-2	Methylene Chloride	18.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	VOA	SW-002-01	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	DateColl
FCAP	SW	SVOA	SW-002-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-002-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	05/27/93
FCAP	SW	SVOA	SW-008-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SW	SVOA	SW-008-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	100-02-7	4-Nitrophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SW	SVOA	SW-008-11	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	106-47-8	4-Chloroaniline	10.0000 UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	118-74-1	Hexachlorobenzene	10.0000 UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	87-68-3	Hexachlorobutadiene	10.0000 UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SW	SVOA	SW-008-11	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-008-11	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SW	SVOA	SW-009-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	118-74-1	Hexachlorobenzene	10.0000 UJ	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	108-95-2	Phenol	10.0000 U	10.0000	UG/L	06/03/93
FCAP	SW	SVOA	SW-009-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/03/93
UMC	SW	VOA	SW-003-01	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	107-06-2	1,2-Dichloroethane	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	VOA	SW-003-01	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-01	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	51-28-5	2,4-Dinitrophenol	25.0000 UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	106-47-8	4-Chloroaniline	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	117-81-7	bis(2-Ethylhexyl)Phthalate	1.0000 J	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-003-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	87-86-5	Pentachlorophenol	25.0000	UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-003-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-003-02	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	78-93-3	2-Butanone	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	71-43-2	Benzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-00-3	Chloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	100-42-5	Styrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	108-88-3	Toluene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	07/29/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
UMC	SW	VOA	SW-003-02	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	75-01-4	Vinyl Chloride	10.0000 UJ	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-02	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	100-01-6	4-Nitroaniline	25.0000 UJ	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	85-68-7	Butylbenzylphthalate	10.0000 UJ	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	07/29/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	DateColl
UMC	SW	SVOA	SW-003-02	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	108-95-2	Phenol	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-003-02	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	VOA	SW-003-03	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	78-93-3	2-Butanone	23.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	71-43-2	Benzene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	100-42-5	Styrene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	108-88-3	Toluene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-003-03	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	09/15/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
UMC	SW	SVOA	SW-003-03	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	88-74-4	2-Nitroaniline	25.0000 UJ	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	100-01-6	4-Nitroaniline	25.0000 UJ	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	09/15/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
UMC	SW	SVOA	SW-003-03	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	108-95-2	Phenol	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	SVOA	SW-003-03	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	09/15/93
UMC	SW	VOA	SW-004-01	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	107-06-2	1,2-Dichloroethane	10.0000 R	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-01	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-004-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	120-83-2	2,4-Dichlorophenol	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	51-28-5	2,4-Dinitrophenol	25.0000	UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	R	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	106-47-8	4-Chloroaniline	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	117-81-7	bis(2-Ethylhexyl)Phthalate	4.0000	J	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	85-68-7	Butylbenzylphthalate	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	118-74-1	Hexachlorobenzene	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-004-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	87-86-5	Pentachlorophenol	25.0000	UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	107-06-2	1,2-Dichloroethane	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	591-78-6	2-Hexanone	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	71-43-2	Benzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-00-3	Chloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	74-87-3	Chloromethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	100-42-5	Styrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	108-88-3	Toluene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	VOA	SW-004-11	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-004-11	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	117-81-7	bis(2-Ethylhexyl)Phthalate	3.0000	J	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-004-11	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	108-95-2	Phenol	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-004-11	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	05/26/93
UMC	SW	SVOA	SW-012-01	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	88-74-4	2-Nitroaniline	25.0000 UJ	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	100-01-6	4-Nitroaniline	25.0000 UJ	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	85-68-7	Butylbenzylphthalate	10.0000 UJ	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	07/29/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-012-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	07/29/93
UMC	SW	SVOA	SW-012-02	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	120-82-1	1,2,4-Trichlorobenzene	10.0000	UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	120-83-2	2,4-Dichlorophenol	10.0000	UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	08/05/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
UMC	SW	SVOA	SW-012-02	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	111-44-4	bis(2-Chloroethyl)Ether	10.0000 UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	117-81-7	bis(2-Ethylhexyl)Phthalate	48.0000	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	84-66-2	Diethylphthalate	2.0000 J	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	87-68-3	Hexachlorobutadiene	10.0000 UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	77-47-4	Hexachlorocyclopentadiene	10.0000 UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	108-95-2	Phenol	10.0000 UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-02	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	120-82-1	1,2,4-Trichlorobenzene	10.0000 UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	08/05/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SW	SVOA	SW-012-12	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	111-44-4	bis(2-Chloroethyl)Ether	10.0000	UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	117-84-0	Di-n-Octyl Phthalate	1.0000	J	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	87-68-3	Hexachlorobutadiene	10.0000	UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	77-47-4	Hexachlorocyclopentadiene	10.0000	UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	108-95-2	Phenol	10.0000	UJ	10.0000	UG/L	08/05/93
UMC	SW	SVOA	SW-012-12	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	08/05/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SW	METALS	SW-005-01	7429-90-5	Aluminum	96.4000 U	35.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-39-3	Barium	53.4000	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-70-2	Calcium	27,000.0000	24.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7439-89-6	Iron	41.9000	41.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7439-95-4	Magnesium	14,300.0000	59.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7439-96-5	Manganese	14.6000	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-23-5	Sodium	833.0000	251.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-01	7440-66-6	Zinc	7.6000 J	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7429-90-5	Aluminum	88.3000 U	35.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-39-3	Barium	53.3000	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-70-2	Calcium	26,900.0000	24.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7439-95-4	Magnesium	14,300.0000	59.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7439-96-5	Manganese	12.6000	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-23-5	Sodium	839.0000	251.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-005-11	7440-66-6	Zinc	11.9000 J	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7429-90-5	Aluminum	77.9000 U	35.0000	UG/L	06/04/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SW	METALS	SW-006-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-39-3	Barium	63.0000	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-70-2	Calcium	27,200.0000	24.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7439-89-6	Iron	41.9000	41.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7439-95-4	Magnesium	14,300.0000	59.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7439-96-5	Manganese	8.6000	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-23-5	Sodium	791.0000	251.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-006-01	7440-66-6	Zinc	5.2000 J	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7429-90-5	Aluminum	95.8000 U	35.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-39-3	Barium	63.7000	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-70-2	Calcium	27,600.0000	24.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7439-95-4	Magnesium	14,200.0000	59.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7439-96-5	Manganese	6.4000 J	1.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-23-5	Sodium	785.0000	251.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-007-01	7440-66-6	Zinc	5.4000 J	4.0000	UG/L	06/04/93
BKGD	SW	METALS	SW-010-01	7429-90-5	Aluminum	556.0000	35.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/03/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
BKGD	SW	METALS	SW-010-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-39-3	Barium	16.4000	2.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-70-2	Calcium	2,140.0000	24.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7439-89-6	Iron	2,340.0000	41.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7439-95-4	Magnesium	617.0000	59.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7439-96-5	Manganese	435.0000	1.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-09-7	Potassium	2,160.0000	1,350.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-23-5	Sodium	329.0000	251.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-010-01	7440-66-6	Zinc	6.2000 J	4.0000	UG/L	06/03/93
BKGD	SW	METALS	SW-011-01	7429-90-5	Aluminum	35.0000 U	35.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-39-3	Barium	146.0000	2.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-70-2	Calcium	35,600.0000	24.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7439-89-6	Iron	54.0000	41.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7439-95-4	Magnesium	17,400.0000	59.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7439-96-5	Manganese	38.1000	1.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-23-5	Sodium	548.0000	251.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/23/93
BKGD	SW	METALS	SW-011-01	7440-66-6	Zinc	4.9000	4.0000	UG/L	06/23/93
FCAP	SW	METALS	SW-002-01	7429-90-5	Aluminum	117.0000 U	35.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SW	METALS	SW-002-01	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-39-3	Barium	15.5000	2.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-70-2	Calcium	27,000.0000	24.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7439-89-6	Iron	162.0000	41.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7439-95-4	Magnesium	15,300.0000	59.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7439-96-5	Manganese	216.0000	1.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-09-7	Potassium	1,350.0000 U	1,350.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-23-5	Sodium	854.0000 U	251.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-002-01	7440-66-6	Zinc	6.6000 U	4.0000	UG/L	05/27/93
FCAP	SW	METALS	SW-008-01	7429-90-5	Aluminum	7,790.0000	35.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-38-2	Arsenic	10.0000 J	3.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-39-3	Barium	68.6000	2.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-70-2	Calcium	18,500.0000	24.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-47-3	Chromium	8.8000	8.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-50-8	Copper	7.3000	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7439-89-6	Iron	6,110.0000	41.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7439-92-1	Lead	3.5000	2.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7439-95-4	Magnesium	5,590.0000	59.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7439-96-5	Manganese	1,700.0000	1.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-09-7	Potassium	6,540.0000	1,350.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-23-5	Sodium	1,190.0000	251.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-62-2	Vanadium	14.5000	6.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-01	7440-66-6	Zinc	106.0000 J	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7429-90-5	Aluminum	7,920.0000	35.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SW	METALS	SW-008-11	7440-38-2	Arsenic	9.1000 J	3.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-39-3	Barium	68.9000	2.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-70-2	Calcium	18,500.0000	24.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-50-8	Copper	7.3000	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7439-89-6	Iron	5,970.0000	41.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7439-92-1	Lead	2.8000	2.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7439-95-4	Magnesium	5,590.0000	59.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7439-96-5	Manganese	1,700.0000	1.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-09-7	Potassium	6,670.0000	1,350.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-23-5	Sodium	1,120.0000	251.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-62-2	Vanadium	15.6000	6.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-008-11	7440-66-6	Zinc	65.1000 J	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7429-90-5	Aluminum	110.0000 U	35.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-39-3	Barium	33.2000	2.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-70-2	Calcium	6,000.0000	24.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7439-89-6	Iron	677.0000	41.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7439-95-4	Magnesium	2,450.0000	59.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7439-96-5	Manganese	121.0000	1.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-23-5	Sodium	876.0000	251.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/03/93
FCAP	SW	METALS	SW-009-01	7440-66-6	Zinc	11.1000 J	4.0000	UG/L	06/03/93
UMC	SW	METALS	SW-003-01	7429-90-5	Aluminum	1,460.0000	35.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	SW	METALS	SW-003-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-38-2	Arsenic	229.0000	3.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-39-3	Barium	77.6000	2.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-70-2	Calcium	48,900.0000	24.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7439-89-6	Iron	3,310.0000	41.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7439-92-1	Lead	3.0000 J	2.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7439-95-4	Magnesium	13,900.0000	59.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7439-96-5	Manganese	898.0000	1.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-09-7	Potassium	3,200.0000	1,350.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-23-5	Sodium	2,360.0000	251.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-01	7440-66-6	Zinc	28.5000	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-003-02	7429-90-5	Aluminum	420.0000	44.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-38-2	Arsenic	77.4000	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-39-3	Barium	76.9000	2.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-70-2	Calcium	49,900.0000	17.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-50-8	Copper	4.0000 U	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7439-89-6	Iron	1,230.0000	25.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7439-92-1	Lead	2.0000 U	2.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7439-95-4	Magnesium	15,700.0000	48.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7439-96-5	Manganese	1,070.0000	1.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7439-97-6	Mercury	0.2400	0.2000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-09-7	Potassium	3,720.0000	1,270.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-22-4	Silver	4.0000 U	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-23-5	Sodium	2,180.0000	123.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-28-0	Thallium	3.0000 UJ	3.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-02	7440-66-6	Zinc	33.5000	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-003-03	7429-90-5	Aluminum	38,500.0000	35.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	09/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	SW	METALS	SW-003-03	7440-38-2	Arsenic	5,430.0000 J	3.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-39-3	Barium	1,010.0000	2.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-41-7	Beryllium	8.4000	1.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-70-2	Calcium	61,300.0000	24.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-47-3	Chromium	45.2000 J	8.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-48-4	Cobalt	108.0000	8.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-50-8	Copper	60.8000	4.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7439-89-6	Iron	147,000.0000	41.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7439-92-1	Lead	37.1000	2.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7439-95-4	Magnesium	21,100.0000	59.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7439-96-5	Manganese	20,000.0000	1.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7439-97-6	Mercury	0.4100 J	0.2000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-02-0	Nickel	72.7000	17.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-09-7	Potassium	11,300.0000	1,350.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-22-4	Silver	4.0000 U	4.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-23-5	Sodium	3,290.0000 B	251.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-28-0	Thallium	3.0000 UJ	3.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-62-2	Vanadium	103.0000 J	6.0000	UG/L	09/15/93
UMC	SW	METALS	SW-003-03	7440-66-6	Zinc	594.0000	4.0000	UG/L	09/15/93
UMC	SW	METALS	SW-004-01	7429-90-5	Aluminum	79.5000 U	35.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-38-2	Arsenic	12.4000	3.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-39-3	Barium	153.0000	2.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-70-2	Calcium	40,000.0000	24.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7439-89-6	Iron	88.0000	41.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7439-95-4	Magnesium	15,400.0000	59.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7439-96-5	Manganese	36.9000	1.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-09-7	Potassium	2,480.0000	1,350.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-23-5	Sodium	1,660.0000	251.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-01	7440-66-6	Zinc	19.9000 U	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7429-90-5	Aluminum	79.4000 U	35.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-38-2	Arsenic	18.0000	3.0000	UG/L	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	SW	METALS	SW-004-11	7440-39-3	Barium	155.0000	2.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-70-2	Calcium	40,300.0000	24.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7439-89-6	Iron	60.9000	41.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7439-92-1	Lead	2.0000 U	2.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7439-95-4	Magnesium	15,600.0000	59.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7439-96-5	Manganese	25.6000	1.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-09-7	Potassium	1,980.0000	1,350.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-23-5	Sodium	1,680.0000	251.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/26/93
UMC	SW	METALS	SW-004-11	7440-66-6	Zinc	22.2000	4.0000	UG/L	05/26/93
UMC	SW	METALS	SW-012-01	7429-90-5	Aluminum	133.0000	44.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-38-2	Arsenic	6.6000 J	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-39-3	Barium	77.1000	2.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-70-2	Calcium	47,100.0000	17.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7439-89-6	Iron	163.0000 U	25.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7439-95-4	Magnesium	15,100.0000	48.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7439-96-5	Manganese	139.0000	1.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-09-7	Potassium	2,360.0000	1,270.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-22-4	Silver	4.0000 U	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-23-5	Sodium	1,400.0000	123.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-28-0	Thallium	3.0000 UJ	3.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-01	7440-66-6	Zinc	11.3000	4.0000	UG/L	07/29/93
UMC	SW	METALS	SW-012-02	7429-90-5	Aluminum	54.6000	44.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-38-2	Arsenic	5.4000	4.0000	UG/L	08/05/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	SW	METALS	SW-012-02	7440-39-3	Barium	77.2000	2.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-70-2	Calcium	46,700.0000	17.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-50-8	Copper	4.0000 U	4.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7439-89-6	Iron	140.0000 U	25.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7439-92-1	Lead	2.0000 U	2.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7439-95-4	Magnesium	15,400.0000	48.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7439-96-5	Manganese	75.5000	1.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-09-7	Potassium	2,560.0000	1,270.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-22-4	Silver	4.0000 U	4.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-23-5	Sodium	1,410.0000	123.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-28-0	Thallium	3.0000 UJ	3.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-02	7440-66-6	Zinc	6.5000	4.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7429-90-5	Aluminum	51.2000	44.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-38-2	Arsenic	4.4000 J	4.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-39-3	Barium	79.1000	2.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-70-2	Calcium	47,000.0000	17.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	018540-29-9	Chromium VI	0.0100 U	0.0100	MG/L	07/29/93
UMC	SW	METALS	SW-012-12	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-50-8	Copper	4.0000 U	4.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7439-89-6	Iron	132.0000 U	25.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7439-92-1	Lead	2.0000 U	2.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7439-95-4	Magnesium	15,400.0000	48.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7439-96-5	Manganese	78.2000	1.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-09-7	Potassium	1,920.0000	1,270.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-22-4	Silver	4.0000 U	4.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-23-5	Sodium	1,440.0000	123.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-28-0	Thallium	3.0000 UJ	3.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	08/05/93
UMC	SW	METALS	SW-012-12	7440-66-6	Zinc	24.0000	4.0000	UG/L	08/05/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Conc/ Q	MDA	Units	Uncertainty	Date Coll
BKGD	SW	RAD	SW-005-01	14274-82-9	Thorium-228	0.0180 U	0.0600	pCi/L	0.0380	06/04/93
BKGD	SW	RAD	SW-005-01	14269-63-7	Thorium-230	0.2900 UJ	0.0550	pCi/L	0.1100	06/04/93
BKGD	SW	RAD	SW-005-01	7440-29-1	Thorium-232	0.0320 U	0.0000	pCi/L	0.0370	06/04/93
BKGD	SW	RAD	SW-005-01	13966-29-5	Uranium-234	0.2100	0.1730	pCi/L	0.1500	06/04/93
BKGD	SW	RAD	SW-005-01	15117-96-1	Uranium-235	-0.0180 U	0.0960	pCi/L	0.0200	06/04/93
BKGD	SW	RAD	SW-005-01	7440-61-1	Uranium-238	0.0090 U	0.0680	pCi/L	0.0430	06/04/93
BKGD	SW	RAD	SW-005-11	14274-82-9	Thorium-228	0.0140 U	0.0780	pCi/L	0.0440	06/04/93
BKGD	SW	RAD	SW-005-11	14269-63-7	Thorium-230	0.2800 UJ	0.0390	pCi/L	0.1200	06/04/93
BKGD	SW	RAD	SW-005-11	7440-29-1	Thorium-232	0.0140 U	0.0480	pCi/L	0.0240	06/04/93
BKGD	SW	RAD	SW-005-11	13966-29-5	Uranium-234	0.1000	0.1450	pCi/L	0.1100	06/04/93
BKGD	SW	RAD	SW-005-11	15117-96-1	Uranium-235	-0.0180 U	0.0880	pCi/L	0.0180	06/04/93
BKGD	SW	RAD	SW-005-11	7440-61-1	Uranium-238	0.0500 U	0.0620	pCi/L	0.0660	06/04/93
BKGD	SW	RAD	SW-006-01	14274-82-9	Thorium-228	-0.0180 U	0.0720	pCi/L	0.0150	06/04/93
BKGD	SW	RAD	SW-006-01	14269-63-7	Thorium-230	0.4100 UJ	0.1120	pCi/L	0.1600	06/04/93
BKGD	SW	RAD	SW-006-01	7440-29-1	Thorium-232	0.0000 U	0.0300	pCi/L	0.0000	06/04/93
BKGD	SW	RAD	SW-006-01	13966-29-5	Uranium-234	0.1700	0.1250	pCi/L	0.1400	06/04/93
BKGD	SW	RAD	SW-006-01	15117-96-1	Uranium-235	0.0500 U	0.0000	pCi/L	0.0680	06/04/93
BKGD	SW	RAD	SW-006-01	7440-61-1	Uranium-238	0.0180 U	0.1250	pCi/L	0.0720	06/04/93
BKGD	SW	RAD	SW-007-01	14274-82-9	Thorium-228	0.0050 U	0.0340	pCi/L	0.0220	06/04/93
BKGD	SW	RAD	SW-007-01	14269-63-7	Thorium-230	0.0680 UJ	0.0340	pCi/L	0.0540	06/04/93
BKGD	SW	RAD	SW-007-01	7440-29-1	Thorium-232	0.0090 U	0.0000	pCi/L	0.0200	06/04/93
BKGD	SW	RAD	SW-007-01	13966-29-5	Uranium-234	0.1400	0.1060	pCi/L	0.1300	06/04/93
BKGD	SW	RAD	SW-007-01	15117-96-1	Uranium-235	-0.0050 U	0.0610	pCi/L	0.0130	06/04/93
BKGD	SW	RAD	SW-007-01	7440-61-1	Uranium-238	0.0140 U	0.0860	pCi/L	0.0550	06/04/93
BKGD	SW	RAD	SW-010-01	14274-82-9	Thorium-228	0.0450 U	0.0980	pCi/L	0.0760	06/03/93
BKGD	SW	RAD	SW-010-01	14269-63-7	Thorium-230	0.5900 UJ	0.1300	pCi/L	0.2300	06/03/93
BKGD	SW	RAD	SW-010-01	7440-29-1	Thorium-232	0.6300	0.0230	pCi/L	0.0730	06/03/93
BKGD	SW	RAD	SW-010-01	13966-29-5	Uranium-234	0.0720	0.1110	pCi/L	0.0860	06/03/93
BKGD	SW	RAD	SW-010-01	15117-96-1	Uranium-235	0.0360 U	0.0000	pCi/L	0.0480	06/03/93
BKGD	SW	RAD	SW-010-01	7440-61-1	Uranium-238	0.0360 UJ	0.0000	pCi/L	0.0480	06/03/93
BKGD	SW	RAD	SW-011-01	14274-82-9	Thorium-228	0.0320 U	0.0250	pCi/L	0.0380	06/23/93
BKGD	SW	RAD	SW-011-01	14269-63-7	Thorium-230	0.1300 UJ	0.0610	pCi/L	0.0790	06/23/93
BKGD	SW	RAD	SW-011-01	7440-29-1	Thorium-232	0.0090 U	0.0230	pCi/L	0.0220	06/23/93
BKGD	SW	RAD	SW-011-01	13966-29-5	Uranium-234	0.5100 J	0.2240	pCi/L	0.2600	06/23/93
BKGD	SW	RAD	SW-011-01	15117-96-1	Uranium-235	-0.0090 UJ	0.0670	pCi/L	0.0140	06/23/93
BKGD	SW	RAD	SW-011-01	7440-61-1	Uranium-238	0.1900 J	0.0950	pCi/L	0.1600	06/23/93
FCAP	SW	RAD	SW-002-01	12587-46-1	Alpha	-0.5500 UJ	4.7000	pCi/L	2.6000	05/27/93
FCAP	SW	RAD	SW-002-01	12587-47-2	Beta	1.4000 U	5.5000	pCi/L	3.2000	05/27/93
FCAP	SW	RAD	SW-002-01	14274-82-9	Thorium-228	0.0140 U	0.0720	pCi/L	0.0410	05/27/93
FCAP	SW	RAD	SW-002-01	14269-63-7	Thorium-230	0.0590 UJ	0.0440	pCi/L	0.0550	05/27/93
FCAP	SW	RAD	SW-002-01	7440-29-1	Thorium-232	0.0180 U	0.0250	pCi/L	0.0320	05/27/93
FCAP	SW	RAD	SW-002-01	13966-29-5	Uranium-234	0.2100	0.1020	pCi/L	0.1100	05/27/93
FCAP	SW	RAD	SW-002-01	15117-96-1	Uranium-235	0.0090 U	0.0270	pCi/L	0.0240	05/27/93
FCAP	SW	RAD	SW-002-01	7440-61-1	Uranium-238	0.0680 J	0.0670	pCi/L	0.0630	05/27/93
FCAP	SW	RAD	SW-008-01	14274-82-9	Thorium-228	0.2200	0.0690	pCi/L	0.1000	06/03/93
FCAP	SW	RAD	SW-008-01	14269-63-7	Thorium-230	0.2900 UJ	0.0520	pCi/L	0.1200	06/03/93
FCAP	SW	RAD	SW-008-01	7440-29-1	Thorium-232	0.1900 U	0.0270	pCi/L	0.0920	06/03/93
FCAP	SW	RAD	SW-008-01	13966-29-5	Uranium-234	0.3300	0.1020	pCi/L	0.1400	06/03/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
FCAP	SW	RAD	SW-008-01	15117-96-1	Uranium-235	0.0270 U	0.0000	pCi/L	0.0390	06/03/93
FCAP	SW	RAD	SW-008-01	7440-61-1	Uranium-238	0.0990 J	0.0640	pCi/L	0.0790	06/03/93
FCAP	SW	RAD	SW-008-11	14274-82-9	Thorium-228	0.1900	0.1070	pCi/L	0.1000	06/03/93
FCAP	SW	RAD	SW-008-11	14269-63-7	Thorium-230	0.4400 UJ	0.0650	pCi/L	0.1400	06/03/93
FCAP	SW	RAD	SW-008-11	7440-29-1	Thorium-232	0.0590 U	0.0000	pCi/L	0.0510	06/03/93
FCAP	SW	RAD	SW-008-11	13966-29-5	Uranium-234	0.1500	0.0850	pCi/L	0.0910	06/03/93
FCAP	SW	RAD	SW-008-11	15117-96-1	Uranium-235	0.0050 U	0.0380	pCi/L	0.0240	06/03/93
FCAP	SW	RAD	SW-008-11	7440-61-1	Uranium-238	0.1100 J	0.0000	pCi/L	0.0690	06/03/93
FCAP	SW	RAD	SW-009-01	14274-82-9	Thorium-228	0.0270 U	0.0440	pCi/L	0.0390	06/03/93
FCAP	SW	RAD	SW-009-01	14269-63-7	Thorium-230	2.0000 J	0.0540	pCi/L	0.0890	06/03/93
FCAP	SW	RAD	SW-009-01	7440-29-1	Thorium-232	0.0000 U	0.0460	pCi/L	0.0000	06/03/93
FCAP	SW	RAD	SW-009-01	13966-29-5	Uranium-234	0.0410 U	0.0000	pCi/L	0.0590	06/03/93
FCAP	SW	RAD	SW-009-01	15117-96-1	Uranium-235	0.0090 U	0.0690	pCi/L	0.0440	06/03/93
FCAP	SW	RAD	SW-009-01	7440-61-1	Uranium-238	0.0360 UJ	0.0480	pCi/L	0.0600	06/03/93
UMC	SW	RAD	SW-003-01	12587-46-1	Alpha	18.0000 J	5.4000	pCi/L	5.6000	05/26/93
UMC	SW	RAD	SW-003-01	12587-47-2	Beta	6.9000	5.8000	pCi/L	3.7000	05/26/93
UMC	SW	RAD	SW-003-01	14274-82-9	Thorium-228	0.0410	0.0000	pCi/L	0.0370	05/26/93
UMC	SW	RAD	SW-003-01	14269-63-7	Thorium-230	0.6200 J	0.0270	pCi/L	0.1400	05/26/93
UMC	SW	RAD	SW-003-01	7440-29-1	Thorium-232	0.0770	0.0260	pCi/L	0.0490	05/26/93
UMC	SW	RAD	SW-003-01	13966-29-5	Uranium-234	0.2900	0.0960	pCi/L	0.1100	05/26/93
UMC	SW	RAD	SW-003-01	15117-96-1	Uranium-235	0.0230 U	0.0300	pCi/L	0.0320	05/26/93
UMC	SW	RAD	SW-003-01	7440-61-1	Uranium-238	0.3300 J	0.0360	pCi/L	0.1100	05/26/93
UMC	SW	RAD	SW-003-02	12587-46-1	Alpha	0.0000 U	6.9000	pCi/L	4.1000	07/29/93
UMC	SW	RAD	SW-003-02	12587-47-2	Beta	3.4000	7.9000	pCi/L	4.9000	07/29/93
UMC	SW	RAD	SW-003-02	14274-82-9	Thorium-228	-0.0050	0.0630	pCi/L	0.0260	07/29/93
UMC	SW	RAD	SW-003-02	14269-63-7	Thorium-230	0.1800	0.0690	pCi/L	0.0930	07/29/93
UMC	SW	RAD	SW-003-02	7440-29-1	Thorium-232	0.0320	0.0000	pCi/L	0.0390	07/29/93
UMC	SW	RAD	SW-003-02	13966-29-5	Uranium-234	0.4600	0.1100	pCi/L	0.1800	07/29/93
UMC	SW	RAD	SW-003-02	15117-96-1	Uranium-235	0.0090	0.0520	pCi/L	0.0330	07/29/93
UMC	SW	RAD	SW-003-02	7440-61-1	Uranium-238	0.2200	0.0740	pCi/L	0.1200	07/29/93
UMC	SW	RAD	SW-003-03	12587-46-1	Alpha	17.0000 J	15.0000	pCi/L	11.0000	09/15/93
UMC	SW	RAD	SW-003-03	12587-47-2	Beta	18.0000	12.0000	pCi/L	8.0000	09/15/93
UMC	SW	RAD	SW-003-03	14274-82-9	Thorium-228	1.3000 J	0.1200	pCi/L	0.3800	09/15/93
UMC	SW	RAD	SW-003-03	14269-63-7	Thorium-230	1.7000 J	0.1300	pCi/L	0.4200	09/15/93
UMC	SW	RAD	SW-003-03	7440-29-1	Thorium-232	0.8800 J	0.1000	pCi/L	0.3000	09/15/93
UMC	SW	RAD	SW-003-03	13966-29-5	Uranium-234	1.5000 J	0.0800	pCi/L	0.3600	09/15/93
UMC	SW	RAD	SW-003-03	15117-96-1	Uranium-235	0.0720	0.0700	pCi/L	0.0800	09/15/93
UMC	SW	RAD	SW-003-03	7440-61-1	Uranium-238	0.6000 J	0.0700	pCi/L	0.2200	09/15/93
UMC	SW	RAD	SW-004-01	12587-46-1	Alpha	2.1000 UJ	5.4000	pCi/L	3.4000	05/26/93
UMC	SW	RAD	SW-004-01	12587-47-2	Beta	4.2000 U	6.0000	pCi/L	3.6000	05/26/93
UMC	SW	RAD	SW-004-01	14274-82-9	Thorium-228	0.0000 U	0.0650	pCi/L	0.0310	05/26/93
UMC	SW	RAD	SW-004-01	14269-63-7	Thorium-230	0.0230 UJ	0.0400	pCi/L	0.0350	05/26/93
UMC	SW	RAD	SW-004-01	7440-29-1	Thorium-232	-0.0050 U	0.0280	pCi/L	0.0050	05/26/93
UMC	SW	RAD	SW-004-01	13966-29-5	Uranium-234	0.2500	0.0890	pCi/L	0.1300	05/26/93
UMC	SW	RAD	SW-004-01	15117-96-1	Uranium-235	0.0180 U	0.0730	pCi/L	0.0470	05/26/93
UMC	SW	RAD	SW-004-01	7440-61-1	Uranium-238	0.2200 J	0.0360	pCi/L	0.1200	05/26/93
UMC	SW	RAD	SW-004-11	12587-46-1	Alpha	4.0000 UJ	5.3000	pCi/L	3.7000	05/26/93
UMC	SW	RAD	SW-004-11	12587-47-2	Beta	4.2000 U	6.0000	pCi/L	3.6000	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
UMC	SW	RAD	SW-004-11	14274-82-9	Thorium-228	0.0050 U	0.0340	pCi/L	0.0220	05/26/93
UMC	SW	RAD	SW-004-11	14269-63-7	Thorium-230	0.5000 J	0.0340	pCi/L	0.0470	05/26/93
UMC	SW	RAD	SW-004-11	7440-29-1	Thorium-232	0.0050 U	0.0250	pCi/L	0.0230	05/26/93
UMC	SW	RAD	SW-004-11	13966-29-5	Uranium-234	0.3400	0.0730	pCi/L	0.1400	05/26/93
UMC	SW	RAD	SW-004-11	15117-96-1	Uranium-235	0.0090 U	0.0300	pCi/L	0.0260	05/26/93
UMC	SW	RAD	SW-004-11	7440-61-1	Uranium-238	0.2000 J	0.0000	pCi/L	0.1000	05/26/93
UMC	SW	RAD	SW-012-01	12587-46-1	Alpha	1.5000 U	7.0000	pCi/L	4.5000	07/29/93
UMC	SW	RAD	SW-012-01	12587-47-2	Beta	2.0000 U	8.0000	pCi/L	4.8000	07/29/93
UMC	SW	RAD	SW-012-01	14274-82-9	Thorium-228	-0.0180 U	0.0650	pCi/L	0.0130	07/29/93
UMC	SW	RAD	SW-012-01	14269-63-7	Thorium-230	0.1600 U	0.0840	pCi/L	0.0930	07/29/93
UMC	SW	RAD	SW-012-01	7440-29-1	Thorium-232	-0.0050 U	0.0270	pCi/L	0.0050	07/29/93
UMC	SW	RAD	SW-012-01	13966-29-5	Uranium-234	0.3200	0.1700	pCi/L	0.2000	07/29/93
UMC	SW	RAD	SW-012-01	15117-96-1	Uranium-235	0.0270 U	0.0000	pCi/L	0.0520	07/29/93
UMC	SW	RAD	SW-012-01	7440-61-1	Uranium-238	0.1800	0.0000	pCi/L	0.1400	07/29/93
UMC	SW	RAD	SW-012-02	14274-82-9	Thorium-228	0.0140 U	0.0740	pCi/L	0.0420	08/05/93
UMC	SW	RAD	SW-012-02	14269-63-7	Thorium-230	0.2500 UJ	0.0740	pCi/L	0.1100	08/05/93
UMC	SW	RAD	SW-012-02	7440-29-1	Thorium-232	0.0140 U	0.0260	pCi/L	0.0230	08/05/93
UMC	SW	RAD	SW-012-02	13966-29-5	Uranium-234	0.5000	0.2960	pCi/L	0.2500	08/05/93
UMC	SW	RAD	SW-012-02	15117-96-1	Uranium-235	0.0180 U	0.0490	pCi/L	0.0430	08/05/93
UMC	SW	RAD	SW-012-02	7440-61-1	Uranium-238	0.0680 U	0.0990	pCi/L	0.0870	08/05/93
UMC	SW	RAD	SW-012-12	14274-82-9	Thorium-228	-0.0140 U	0.0780	pCi/L	0.0260	08/05/93
UMC	SW	RAD	SW-012-12	14269-63-7	Thorium-230	0.1600 UJ	0.0350	pCi/L	0.0820	08/05/93
UMC	SW	RAD	SW-012-12	7440-29-1	Thorium-232	-0.0050 U	0.0290	pCi/L	0.0050	08/05/93
UMC	SW	RAD	SW-012-12	13966-29-5	Uranium-234	0.1900	0.0830	pCi/L	0.1300	08/05/93
UMC	SW	RAD	SW-012-12	15117-96-1	Uranium-235	-0.0090 U	0.0680	pCi/L	0.0140	08/05/93
UMC	SW	RAD	SW-012-12	7440-61-1	Uranium-238	0.2800	0.0000	pCi/L	0.1500	08/05/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
BKGD	SED	SVOA	SD-005-01	95-50-1	1,2-Dichlorobenzene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	120-82-1	1,2,4-Trichlorobenzene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	541-73-1	1,3-Dichlorobenzene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	106-46-7	1,4-Dichlorobenzene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	91-58-7	2-Chloronaphthalene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	95-57-8	2-Chlorophenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	91-57-6	2-Methylnaphthalene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	95-48-7	2-Methylphenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	88-74-4	2-Nitroaniline	1,700.0000 UJ	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	88-75-5	2-Nitrophenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	700.0000 UJ	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	120-83-2	2,4-Dichlorophenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	105-67-9	2,4-Dimethylphenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	51-28-5	2,4-Dinitrophenol	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	121-14-2	2,4-Dinitrotoluene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	95-95-4	2,4,5-Trichlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	88-06-2	2,4,6-Trichlorophenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	606-20-2	2,6-Dinitrotoluene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	99-09-2	3-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	91-94-1	3,3'-Dichlorobenzidine	700.0000 UJ	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	101-55-3	4-Bromophenyl-phenylether	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	59-50-7	4-Chloro-3-Methylphenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	106-47-8	4-Chloroaniline	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	7005-72-3	4-Chlorophenyl-phenylether	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	106-44-5	4-Methylphenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	100-01-6	4-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	100-02-7	4-Nitrophenol	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	83-32-9	Acenaphthene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	208-96-8	Acenaphthylene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	120-12-7	Anthracene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	56-55-3	Benzo(a)Anthracene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	50-32-8	Benzo(a)Pyrene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	205-99-2	Benzo(b)Fluoranthene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	191-24-2	Benzo(g,h,i)Perylene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	207-08-9	Benzo(k)Fluoranthene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	111-91-1	bis(2-Chloroethoxy)Methane	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	111-44-4	bis(2-Chloroethyl)Ether	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	117-81-7	bis(2-Ethylhexyl)Phthalate	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	85-68-7	Butylbenzylphthalate	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	86-74-8	Carbazole	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	218-01-9	Chrysene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	132-64-9	Dibenzofuran	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	53-70-3	Dibenz(a,h)Anthracene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	84-66-2	Diethylphthalate	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	131-11-3	Dimethyl Phthalate	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	84-74-2	Di-n-Butylphthalate	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	117-84-0	Di-n-Octyl Phthalate	700.0000 UJ	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	206-44-0	Fluoranthene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	86-73-7	Fluorene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	118-74-1	Hexachlorobenzene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	87-68-3	Hexachlorobutadiene	700.0000 U	700.0000	UG/KG	06/04/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
BKGD	SED	SVOA	SD-005-01	77-47-4	Hexachlorocyclopentadiene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	67-72-1	Hexachloroethane	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	193-39-5	Indeno(1,2,3-cd)Pyrene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	78-59-1	Isophorone	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	91-20-3	Naphthalene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	98-95-3	Nitrobenzene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	621-64-7	N-Nitroso-Di-n-Propylamine	700.0000 UJ	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	86-30-6	N-Nitrosodiphenylamine	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	87-86-5	Pentachlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	85-01-8	Phenanthrene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	108-95-2	Phenol	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-005-01	129-00-0	Pyrene	700.0000 U	700.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	95-50-1	1,2-Dichlorobenzene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	120-82-1	1,2,4-Trichlorobenzene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	541-73-1	1,3-Dichlorobenzene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	106-46-7	1,4-Dichlorobenzene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	91-58-7	2-Chloronaphthalene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	95-57-8	2-Chlorophenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	91-57-6	2-Methylnaphthalene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	95-48-7	2-Methylphenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	88-74-4	2-Nitroaniline	860.0000 UJ	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	88-75-5	2-Nitrophenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	350.0000 UJ	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	120-83-2	2,4-Dichlorophenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	105-67-9	2,4-Dimethylphenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	51-28-5	2,4-Dinitrophenol	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	121-14-2	2,4-Dinitrotoluene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	95-95-4	2,4,5-Trichlorophenol	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	88-06-2	2,4,6-Trichlorophenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	606-20-2	2,6-Dinitrotoluene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	99-09-2	3-Nitroaniline	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	91-94-1	3,3'-Dichlorobenzidine	350.0000 UJ	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	101-55-3	4-Bromophenyl-phenylether	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	59-50-7	4-Chloro-3-Methylphenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	106-47-8	4-Chloroaniline	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	7005-72-3	4-Chlorophenyl-phenylether	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	106-44-5	4-Methylphenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	100-01-6	4-Nitroaniline	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	100-02-7	4-Nitrophenol	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	534-52-1	4,6-Dinitro-2-Methylphenol	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	83-32-9	Acenaphthene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	208-96-8	Acenaphthylene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	120-12-7	Anthracene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	56-55-3	Benzo(a)Anthracene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	50-32-8	Benzo(a)Pyrene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	205-99-2	Benzo(b)Fluoranthene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	191-24-2	Benzo(g,h,i)Perylene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	207-08-9	Benzo(k)Fluoranthene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	111-91-1	bis(2-Chloroethoxy)Methane	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	111-44-4	bis(2-Chloroethyl)Ether	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	117-81-7	bis(2-Ethylhexyl)Phthalate	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	85-68-7	Butylbenzylphthalate	350.0000 U	350.0000	UG/KG	06/04/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
BKGD	SED	SVOA	SD-006-01	86-74-8	Carbazole	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	218-01-9	Chrysene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	132-64-9	Dibenzofuran	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	53-70-3	Dibenz(a,h)Anthracene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	84-66-2	Diethylphthalate	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	131-11-3	Dimethyl Phthalate	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	84-74-2	Di-n-Butylphthalate	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	117-84-0	Di-n-Octyl Phthalate	350.0000 UJ	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	206-44-0	Fluoranthene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	86-73-7	Fluorene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	118-74-1	Hexachlorobenzene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	87-68-3	Hexachlorobutadiene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	77-47-4	Hexachlorocyclopentadiene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	67-72-1	Hexachloroethane	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	193-39-5	Indeno(1,2,3-cd)Pyrene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	78-59-1	Isophorone	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	91-20-3	Naphthalene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	98-95-3	Nitrobenzene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	621-64-7	N-Nitroso-Di-n-Propylamine	350.0000 UJ	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	86-30-6	N-Nitrosodiphenylamine	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	87-86-5	Pentachlorophenol	860.0000 U	860.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	85-01-8	Phenanthrene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	108-95-2	Phenol	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-006-01	129-00-0	Pyrene	350.0000 U	350.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	95-50-1	1,2-Dichlorobenzene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	120-82-1	1,2,4-Trichlorobenzene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	541-73-1	1,3-Dichlorobenzene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	106-46-7	1,4-Dichlorobenzene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	91-58-7	2-Chloronaphthalene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	95-57-8	2-Chlorophenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	91-57-6	2-Methylnaphthalene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	95-48-7	2-Methylphenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	88-74-4	2-Nitroaniline	1,100.0000 UJ	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	88-75-5	2-Nitrophenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	460.0000 UJ	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	120-83-2	2,4-Dichlorophenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	105-67-9	2,4-Dimethylphenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	51-28-5	2,4-Dinitrophenol	1,100.0000 U	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	121-14-2	2,4-Dinitrotoluene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	95-95-4	2,4,5-Trichlorophenol	1,100.0000 U	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	88-06-2	2,4,6-Trichlorophenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	606-20-2	2,6-Dinitrotoluene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	99-09-2	3-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	91-94-1	3,3'-Dichlorobenzidine	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	101-55-3	4-Bromophenyl-phenylether	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	59-50-7	4-Chloro-3-Methylphenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	106-47-8	4-Chloroaniline	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	7005-72-3	4-Chlorophenyl-phenylether	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	106-44-5	4-Methylphenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	100-01-6	4-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	100-02-7	4-Nitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,100.0000 U	1,100.0000	UG/KG	06/04/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
BKGD	SED	SVOA	SD-007-01	83-32-9	Acenaphthene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	208-96-8	Acenaphthylene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	120-12-7	Anthracene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	56-55-3	Benzo(a)Anthracene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	50-32-8	Benzo(a)Pyrene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	205-99-2	Benzo(b)Fluoranthene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	191-24-2	Benzo(g,h,i)Perylene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	207-08-9	Benzo(k)Fluoranthene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	111-91-1	bis(2-Chloroethoxy)Methane	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	111-44-4	bis(2-Chloroethyl)Ether	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	117-81-7	bis(2-Ethylhexyl)Phthalate	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	85-68-7	Butylbenzylphthalate	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	86-74-8	Carbazole	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	218-01-9	Chrysene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	132-64-9	Dibenzofuran	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	53-70-3	Dibenz(a,h)Anthracene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	84-66-2	Diethylphthalate	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	131-11-3	Dimethyl Phthalate	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	84-74-2	Di-n-Butylphthalate	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	117-84-0	Di-n-Octyl Phthalate	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	206-44-0	Fluoranthene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	86-73-7	Fluorene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	118-74-1	Hexachlorobenzene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	87-68-3	Hexachlorobutadiene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	77-47-4	Hexachlorocyclopentadiene	460.0000 UJ	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	67-72-1	Hexachloroethane	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	193-39-5	Indeno(1,2,3-cd)Pyrene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	78-59-1	Isophorone	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	91-20-3	Naphthalene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	98-95-3	Nitrobenzene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	621-64-7	N-Nitroso-Di-n-Propylamine	460.0000 UJ	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	86-30-6	N-Nitrosodiphenylamine	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	87-86-5	Pentachlorophenol	1,100.0000 U	1,100.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	85-01-8	Phenanthrene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	108-95-2	Phenol	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-007-01	129-00-0	Pyrene	460.0000 U	460.0000	UG/KG	06/04/93
BKGD	SED	SVOA	SD-011-01	95-50-1	1,2-Dichlorobenzene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	120-82-1	1,2,4-Trichlorobenzene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	541-73-1	1,3-Dichlorobenzene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	106-46-7	1,4-Dichlorobenzene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	91-58-7	2-Chloronaphthalene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	95-57-8	2-Chlorophenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	91-57-6	2-Methylnaphthalene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	95-48-7	2-Methylphenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	88-74-4	2-Nitroaniline	970.0000 UJ	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	88-75-5	2-Nitrophenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	120-83-2	2,4-Dichlorophenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	105-67-9	2,4-Dimethylphenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	51-28-5	2,4-Dinitrophenol	970.0000 UJ	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	121-14-2	2,4-Dinitrotoluene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	95-95-4	2,4,5-Trichlorophenol	970.0000 U	970.0000	UG/KG	06/23/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
BKGD	SED	SVOA	SD-011-01	88-06-2	2,4,6-Trichlorophenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	606-20-2	2,6-Dinitrotoluene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	99-09-2	3-Nitroaniline	970.0000 U	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	91-94-1	3,3'-Dichlorobenzidine	400.0000 UJ	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	101-55-3	4-Bromophenyl-phenylether	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	59-50-7	4-Chloro-3-Methylphenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	106-47-8	4-Chloroaniline	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	7005-72-3	4-Chlorophenyl-phenylether	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	106-44-5	4-Methylphenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	100-01-6	4-Nitroaniline	970.0000 U	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	100-02-7	4-Nitrophenol	970.0000 U	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	534-52-1	4,6-Dinitro-2-Methylphenol	970.0000 UJ	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	83-32-9	Acenaphthene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	208-96-8	Acenaphthylene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	120-12-7	Anthracene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	56-55-3	Benzo(a)Anthracene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	50-32-8	Benzo(a)Pyrene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	205-99-2	Benzo(b)Fluoranthene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	191-24-2	Benzo(g,h,i)Perylene	400.0000 UJ	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	207-08-9	Benzo(k)Fluoranthene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	111-91-1	bis(2-Chloroethoxy)Methane	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	111-44-4	bis(2-Chloroethyl)Ether	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	117-81-7	bis(2-Ethylhexyl)Phthalate	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	85-68-7	Butylbenzylphthalate	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	86-74-8	Carbazole	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	218-01-9	Chrysene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	132-64-9	Dibenzofuran	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	53-70-3	Dibenz(a,h)Anthracene	400.0000 UJ	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	84-66-2	Diethylphthalate	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	131-11-3	Dimethyl Phthalate	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	84-74-2	Di-n-Butylphthalate	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	117-84-0	Di-n-Octyl Phthalate	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	206-44-0	Fluoranthene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	86-73-7	Fluorene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	118-74-1	Hexachlorobenzene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	87-68-3	Hexachlorobutadiene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	77-47-4	Hexachlorocyclopentadiene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	67-72-1	Hexachloroethane	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	193-39-5	Indeno(1,2,3-cd)Pyrene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	78-59-1	Isophorone	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	91-20-3	Naphthalene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	98-95-3	Nitrobenzene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	621-64-7	N-Nitroso-Di-n-Propylamine	400.0000 UJ	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	86-30-6	N-Nitrosodiphenylamine	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	87-86-5	Pentachlorophenol	970.0000 U	970.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	85-01-8	Phenanthrene	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	108-95-2	Phenol	400.0000 U	400.0000	UG/KG	06/23/93
BKGD	SED	SVOA	SD-011-01	129-00-0	Pyrene	400.0000 U	400.0000	UG/KG	06/23/93
FCAP	SED	VOA	SD-001-01	75-34-3	1,1-Dichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-35-4	1,1-Dichloroethene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	71-55-6	1,1,1-Trichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	79-00-5	1,1,2-Trichloroethane	14.0000 U	14.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
FCAP	SED	VOA	SD-001-01	79-34-5	1,1,2,2-Tetrachloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	107-06-2	1,2-Dichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	540-59-0	1,2-Dichloroethene (total)	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	78-87-5	1,2-Dichloropropane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	78-93-3	2-Butanone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	591-78-6	2-Hexanone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	108-10-1	4-Methyl-2-Pentanone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	67-64-1	Acetone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	71-43-2	Benzene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-27-4	Bromodichloromethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-25-2	Bromoform	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	74-83-9	Bromomethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-15-0	Carbon Disulfide	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	56-23-5	Carbon Tetrachloride	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	108-90-7	Chlorobenzene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-00-3	Chloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	67-66-3	Chloroform	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	74-87-3	Chloromethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	10061-01-5	cis-1,3-Dichloropropene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	124-48-1	Dibromochloromethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	100-41-4	Ethylbenzene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-09-2	Methylene Chloride	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	100-42-5	Styrene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	127-18-4	Tetrachloroethene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	108-88-3	Toluene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	10061-02-6	trans-1,3-Dichloropropene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	79-01-6	Trichloroethene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	75-01-4	Vinyl Chloride	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-01	1330-20-7	Xylene (total)	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	95-50-1	1,2-Dichlorobenzene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	120-82-1	1,2,4-Trichlorobenzene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	541-73-1	1,3-Dichlorobenzene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	106-46-7	1,4-Dichlorobenzene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	91-58-7	2-Chloronaphthalene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	95-57-8	2-Chlorophenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	91-57-6	2-Methylnaphthalene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	95-48-7	2-Methylphenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	88-74-4	2-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	88-75-5	2-Nitrophenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	450.0000 UJ	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	120-83-2	2,4-Dichlorophenol	450.0000 UJ	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	105-67-9	2,4-Dimethylphenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	51-28-5	2,4-Dinitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	121-14-2	2,4-Dinitrotoluene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	95-95-4	2,4,5-Trichlorophenol	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	88-06-2	2,4,6-Trichlorophenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	606-20-2	2,6-Dinitrotoluene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	99-09-2	3-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	91-94-1	3,3'-Dichlorobenzidine	450.0000 UJ	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	101-55-3	4-Bromophenyl-phenylether	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	59-50-7	4-Chloro-3-Methylphenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	106-47-8	4-Chloroaniline	450.0000 U	450.0000	UG/KG	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SED	SVOA	SD-001-01	7005-72-3	4-Chlorophenyl-phenylether	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	106-44-5	4-Methylphenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	100-01-6	4-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	100-02-7	4-Nitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	83-32-9	Acenaphthene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	208-96-8	Acenaphthylene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	120-12-7	Anthracene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	56-55-3	Benzo(a)Anthracene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	50-32-8	Benzo(a)Pyrene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	205-99-2	Benzo(b)Fluoranthene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	191-24-2	Benzo(g,h,i)Perylene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	207-08-9	Benzo(k)Fluoranthene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	111-91-1	bis(2-Chloroethoxy)Methane	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	111-44-4	bis(2-Chloroethyl)Ether	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	117-81-7	bis(2-Ethylhexyl)Phthalate	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	85-68-7	Butylbenzylphthalate	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	86-74-8	Carbazole	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	218-01-9	Chrysene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	132-64-9	Dibenzofuran	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	53-70-3	Dibenz(a,h)Anthracene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	84-66-2	Diethylphthalate	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	131-11-3	Dimethyl Phthalate	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	84-74-2	Di-n-Butylphthalate	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	117-84-0	Di-n-Octyl Phthalate	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	206-44-0	Fluoranthene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	86-73-7	Fluorene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	118-74-1	Hexachlorobenzene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	87-68-3	Hexachlorobutadiene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	77-47-4	Hexachlorocyclopentadiene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	67-72-1	Hexachloroethane	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	193-39-5	Indeno(1,2,3-cd)Pyrene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	78-59-1	Isophorone	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	91-20-3	Naphthalene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	98-95-3	Nitrobenzene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	621-64-7	N-Nitroso-Di-n-Propylamine	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	86-30-6	N-Nitrosodiphenylamine	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	87-86-5	Pentachlorophenol	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	85-01-8	Phenanthrene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	108-95-2	Phenol	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-01	129-00-0	Pyrene	450.0000 U	450.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-34-3	1,1-Dichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-35-4	1,1-Dichloroethene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	71-55-6	1,1,1-Trichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	79-00-5	1,1,2-Trichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	79-34-5	1,1,2,2-Tetrachloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	107-06-2	1,2-Dichloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	540-59-0	1,2-Dichloroethene (total)	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	78-87-5	1,2-Dichloropropane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	78-93-3	2-Butanone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	591-78-6	2-Hexanone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	108-10-1	4-Methyl-2-Pentanone	14.0000 UJ	14.0000	UG/KG	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SED	VOA	SD-001-11	67-64-1	Acetone	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	71-43-2	Benzene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-27-4	Bromodichloromethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-25-2	Bromoform	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	74-83-9	Bromomethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-15-0	Carbon Disulfide	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	56-23-5	Carbon Tetrachloride	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	108-90-7	Chlorobenzene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-00-3	Chloroethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	67-66-3	Chloroform	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	74-87-3	Chloromethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	10061-01-5	cis-1,3-Dichloropropene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	124-48-1	Dibromochloromethane	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	100-41-4	Ethylbenzene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-09-2	Methylene Chloride	14.0000 UJ	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	100-42-5	Styrene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	127-18-4	Tetrachloroethene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	108-88-3	Toluene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	10061-02-6	trans-1,3-Dichloropropene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	79-01-6	Trichloroethene	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	75-01-4	Vinyl Chloride	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-001-11	1330-20-7	Xylene (total)	14.0000 U	14.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	95-50-1	1,2-Dichlorobenzene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	120-82-1	1,2,4-Trichlorobenzene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	541-73-1	1,3-Dichlorobenzene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	106-46-7	1,4-Dichlorobenzene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	91-58-7	2-Chloronaphthalene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	95-57-8	2-Chlorophenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	91-57-6	2-Methylnaphthalene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	95-48-7	2-Methylphenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	88-74-4	2-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	88-75-5	2-Nitrophenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	460.0000 UJ	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	120-83-2	2,4-Dichlorophenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	105-67-9	2,4-Dimethylphenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	51-28-5	2,4-Dinitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	121-14-2	2,4-Dinitrotoluene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	95-95-4	2,4,5-Trichlorophenol	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	88-06-2	2,4,6-Trichlorophenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	606-20-2	2,6-Dinitrotoluene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	99-09-2	3-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	91-94-1	3,3'-Dichlorobenzidine	460.0000 UJ	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	101-55-3	4-Bromophenyl-phenylether	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	59-50-7	4-Chloro-3-Methylphenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	106-47-8	4-Chloroaniline	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	7005-72-3	4-Chlorophenyl-phenylether	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	106-44-5	4-Methylphenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	100-01-6	4-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	100-02-7	4-Nitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	534-52-1	4,6-Dinitro-2-Methylphenol	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	83-32-9	Acenaphthene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	208-96-8	Acenaphthylene	460.0000 U	460.0000	UG/KG	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SED	SVOA	SD-001-11	120-12-7	Anthracene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	56-55-3	Benzo(a)Anthracene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	50-32-8	Benzo(a)Pyrene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	205-99-2	Benzo(b)Fluoranthene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	191-24-2	Benzo(g,h,i)Perylene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	207-08-9	Benzo(k)Fluoranthene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	111-91-1	bis(2-Chloroethoxy)Methane	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	111-44-4	bis(2-Chloroethyl)Ether	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	117-81-7	bis(2-Ethylhexyl)Phthalate	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	85-68-7	Butylbenzylphthalate	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	86-74-8	Carbazole	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	218-01-9	Chrysene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	132-64-9	Dibenzofuran	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	53-70-3	Dibenz(a,h)Anthracene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	84-66-2	Diethylphthalate	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	131-11-3	Dimethyl Phthalate	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	84-74-2	Di-n-Butylphthalate	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	117-84-0	Di-n-Octyl Phthalate	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	206-44-0	Fluoranthene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	86-73-7	Fluorene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	118-74-1	Hexachlorobenzene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	87-68-3	Hexachlorobutadiene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	77-47-4	Hexachlorocyclopentadiene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	67-72-1	Hexachloroethane	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	193-39-5	Indeno(1,2,3-cd)Pyrene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	78-59-1	Isophorone	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	91-20-3	Naphthalene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	98-95-3	Nitrobenzene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	621-64-7	N-Nitroso-Di-n-Propylamine	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	86-30-6	N-Nitrosodiphenylamine	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	87-86-5	Pentachlorophenol	1,100.0000 U	1,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	85-01-8	Phenanthrene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	108-95-2	Phenol	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-001-11	129-00-0	Pyrene	460.0000 U	460.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-34-3	1,1-Dichloroethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-35-4	1,1-Dichloroethene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	71-55-6	1,1,1-Trichloroethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	79-00-5	1,1,2-Trichloroethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	79-34-5	1,1,2,2-Tetrachloroethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	107-06-2	1,2-Dichloroethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	540-59-0	1,2-Dichloroethene (total)	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	78-87-5	1,2-Dichloropropane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	78-93-3	2-Butanone	38.0000 UJ	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	591-78-6	2-Hexanone	38.0000 UJ	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	108-10-1	4-Methyl-2-Pentanone	38.0000 UJ	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	67-64-1	Acetone	38.0000 UJ	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	71-43-2	Benzene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-27-4	Bromodichloromethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-25-2	Bromoform	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	74-83-9	Bromomethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-15-0	Carbon Disulfide	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	56-23-5	Carbon Tetrachloride	38.0000 U	38.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
FCAP	SED	VOA	SD-002-01	108-90-7	Chlorobenzene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-00-3	Chloroethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	67-66-3	Chloroform	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	74-87-3	Chloromethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	10061-01-5	cis-1,3-Dichloropropene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	124-48-1	Dibromochloromethane	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	100-41-4	Ethylbenzene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-09-2	Methylene Chloride	38.0000 UJ	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	100-42-5	Styrene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	127-18-4	Tetrachloroethene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	108-88-3	Toluene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	10061-02-6	trans-1,3-Dichloropropene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	79-01-6	Trichloroethene	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	75-01-4	Vinyl Chloride	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	VOA	SD-002-01	1330-20-7	Xylene (total)	38.0000 U	38.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	95-50-1	1,2-Dichlorobenzene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	120-82-1	1,2,4-Trichlorobenzene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	541-73-1	1,3-Dichlorobenzene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	106-46-7	1,4-Dichlorobenzene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	91-58-7	2-Chloronaphthalene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	95-57-8	2-Chlorophenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	91-57-6	2-Methylnaphthalene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	95-48-7	2-Methylphenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	88-74-4	2-Nitroaniline	3,100.0000 U	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	88-75-5	2-Nitrophenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	1,300.0000 UJ	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	120-83-2	2,4-Dichlorophenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	105-67-9	2,4-Dimethylphenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	51-28-5	2,4-Dinitrophenol	3,100.0000 UJ	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	121-14-2	2,4-Dinitrotoluene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	95-95-4	2,4,5-Trichlorophenol	3,100.0000 U	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	88-06-2	2,4,6-Trichlorophenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	606-20-2	2,6-Dinitrotoluene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	99-09-2	3-Nitroaniline	3,100.0000 U	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	91-94-1	3,3'-Dichlorobenzidine	1,300.0000 UJ	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	101-55-3	4-Bromophenyl-phenylether	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	59-50-7	4-Chloro-3-Methylphenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	106-47-8	4-Chloroaniline	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	7005-72-3	4-Chlorophenyl-phenylether	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	106-44-5	4-Methylphenol	1,100.0000 J	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	100-01-6	4-Nitroaniline	3,100.0000 U	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	100-02-7	4-Nitrophenol	3,100.0000 UJ	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	534-52-1	4,6-Dinitro-2-Methylphenol	3,100.0000 U	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	83-32-9	Acenaphthene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	208-96-8	Acenaphthylene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	120-12-7	Anthracene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	56-55-3	Benzo(a)Anthracene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	50-32-8	Benzo(a)Pyrene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	205-99-2	Benzo(b)Fluoranthene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	191-24-2	Benzo(g,h,i)Perylene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	207-08-9	Benzo(k)Fluoranthene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	111-91-1	bis(2-Chloroethoxy)Methane	1,300.0000 U	1,300.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
FCAP	SED	SVOA	SD-002-01	111-44-4	bis(2-Chloroethyl)Ether	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	117-81-7	bis(2-Ethylhexyl)Phthalate	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	85-68-7	Butylbenzylphthalate	170.0000 J	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	86-74-8	Carbazole	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	218-01-9	Chrysene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	132-64-9	Dibenzofuran	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	53-70-3	Dibenz(a,h)Anthracene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	84-66-2	Diethylphthalate	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	131-11-3	Dimethyl Phthalate	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	84-74-2	Di-n-Butylphthalate	160.0000 J	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	117-84-0	Di-n-Octyl Phthalate	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	206-44-0	Fluoranthene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	86-73-7	Fluorene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	118-74-1	Hexachlorobenzene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	87-68-3	Hexachlorobutadiene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	77-47-4	Hexachlorocyclopentadiene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	67-72-1	Hexachloroethane	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	193-39-5	Indeno(1,2,3-cd)Pyrene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	78-59-1	Isophorone	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	91-20-3	Naphthalene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	98-95-3	Nitrobenzene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	621-64-7	N-Nitroso-Di-n-Propylamine	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	86-30-6	N-Nitrosodiphenylamine	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	87-86-5	Pentachlorophenol	3,100.0000 U	3,100.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	85-01-8	Phenanthrene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	108-95-2	Phenol	1,300.0000 U	1,300.0000	UG/KG	05/27/93
FCAP	SED	SVOA	SD-002-01	129-00-0	Pyrene	1,300.0000 U	1,300.0000	UG/KG	05/27/93
UMC	SED	VOA	SD-003-01	75-34-3	1,1-Dichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	75-35-4	1,1-Dichloroethene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	71-55-6	1,1,1-Trichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	79-00-5	1,1,2-Trichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	79-34-5	1,1,2,2-Tetrachloroethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	107-06-2	1,2-Dichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	540-59-0	1,2-Dichloroethene (total)	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	78-87-5	1,2-Dichloropropane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	78-93-3	2-Butanone	42.0000 UJ	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	591-78-6	2-Hexanone	42.0000 UJ	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	108-10-1	4-Methyl-2-Pentanone	42.0000 UJ	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	67-64-1	Acetone	48.0000 UJ	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	71-43-2	Benzene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	75-27-4	Bromodichloromethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	75-25-2	Bromoform	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	74-83-9	Bromomethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	75-15-0	Carbon Disulfide	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	56-23-5	Carbon Tetrachloride	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	108-90-7	Chlorobenzene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	75-00-3	Chloroethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	67-66-3	Chloroform	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	74-87-3	Chloromethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	10061-01-5	cis-1,3-Dichloropropene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	124-48-1	Dibromochloromethane	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	100-41-4	Ethylbenzene	42.0000 U	42.0000	UG/KG	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	VOA	SD-003-01	75-09-2	Methylene Chloride	42.0000 UJ	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	100-42-5	Styrene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	127-18-4	Tetrachloroethene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	108-88-3	Toluene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	10061-02-6	trans-1,3-Dichloropropene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	79-01-6	Trichloroethene	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	75-01-4	Vinyl Chloride	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-01	1330-20-7	Xylene (total)	42.0000 U	42.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	95-50-1	1,2-Dichlorobenzene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	120-82-1	1,2,4-Trichlorobenzene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	541-73-1	1,3-Dichlorobenzene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	106-46-7	1,4-Dichlorobenzene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	91-58-7	2-Chloronaphthalene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	95-57-8	2-Chlorophenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	91-57-6	2-Methylnaphthalene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	95-48-7	2-Methylphenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	88-75-5	2-Nitrophenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	860.0000 UJ	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	120-83-2	2,4-Dichlorophenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	105-67-9	2,4-Dimethylphenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	51-28-5	2,4-Dinitrophenol	2,100.0000 UJ	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	121-14-2	2,4-Dinitrotoluene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	88-06-2	2,4,6-Trichlorophenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	606-20-2	2,6-Dinitrotoluene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	91-94-1	3,3'-Dichlorobenzidine	860.0000 UJ	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	101-55-3	4-Bromophenyl-phenylether	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	59-50-7	4-Chloro-3-Methylphenol	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	106-47-8	4-Chloroaniline	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	7005-72-3	4-Chlorophenyl-phenylether	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	106-44-5	4-Methylphenol	99.0000 J	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	100-02-7	4-Nitrophenol	2,100.0000 UJ	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	83-32-9	Acenaphthene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	208-96-8	Acenaphthylene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	120-12-7	Anthracene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	56-55-3	Benzo(a)Anthracene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	50-32-8	Benzo(a)Pyrene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	205-99-2	Benzo(b)Fluoranthene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	191-24-2	Benzo(g,h,i)Perylene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	207-08-9	Benzo(k)Fluoranthene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	111-91-1	bis(2-Chloroethoxy)Methane	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	111-44-4	bis(2-Chloroethyl)Ether	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	117-81-7	bis(2-Ethylhexyl)Phthalate	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	85-68-7	Butylbenzylphthalate	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	86-74-8	Carbazole	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	218-01-9	Chrysene	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	132-64-9	Dibenzofuran	860.0000 U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	53-70-3	Dibenz(a,h)Anthracene	860.0000 U	860.0000	UG/KG	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	SVOA	SD-003-01	84-66-2	Diethylphthalate	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	131-11-3	Dimethyl Phthalate	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	84-74-2	Di-n-Butylphthalate	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	117-84-0	Di-n-Octyl Phthalate	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	206-44-0	Fluoranthene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	86-73-7	Fluorene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	118-74-1	Hexachlorobenzene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	87-68-3	Hexachlorobutadiene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	77-47-4	Hexachlorocyclopentadiene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	67-72-1	Hexachloroethane	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	193-39-5	Indeno(1,2,3-cd)Pyrene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	78-59-1	Isophorone	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	91-20-3	Naphthalene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	98-95-3	Nitrobenzene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	621-64-7	N-Nitroso-Di-n-Propylamine	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	86-30-6	N-Nitrosodiphenylamine	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	87-86-5	Pentachlorophenol	2,100.0000	U	2,100.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	85-01-8	Phenanthrene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	108-95-2	Phenol	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-003-01	129-00-0	Pyrene	860.0000	U	860.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-003-02	75-34-3	1,1-Dichloroethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-35-4	1,1-Dichloroethene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	71-55-6	1,1,1-Trichloroethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	79-00-5	1,1,2-Trichloroethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	79-34-5	1,1,2,2-Tetrachloroethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	107-06-2	1,2-Dichloroethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	540-59-0	1,2-Dichloroethene (total)	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	78-87-5	1,2-Dichloropropane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	78-93-3	2-Butanone	16.0000	J	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	591-78-6	2-Hexanone	27.0000	UJ	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	108-10-1	4-Methyl-2-Pentanone	27.0000	UJ	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	67-64-1	Acetone	78.0000	UJ	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	71-43-2	Benzene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-27-4	Bromodichloromethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-25-2	Bromoform	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	74-83-9	Bromomethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-15-0	Carbon Disulfide	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	56-23-5	Carbon Tetrachloride	27.0000	UJ	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	108-90-7	Chlorobenzene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-00-3	Chloroethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	67-66-3	Chloroform	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	74-87-3	Chloromethane	27.0000	UJ	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	10061-01-5	cis-1,3-Dichloropropene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	124-48-1	Dibromochloromethane	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	100-41-4	Ethylbenzene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-09-2	Methylene Chloride	39.0000	UJ	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	100-42-5	Styrene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	127-18-4	Tetrachloroethene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	108-88-3	Toluene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	10061-02-6	trans-1,3-Dichloropropene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	79-01-6	Trichloroethene	27.0000	U	27.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-02	75-01-4	Vinyl Chloride	27.0000	U	27.0000	UG/KG	07/29/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
UMC	SED	VOA	SD-003-02	1330-20-7	Xylene (total)	27.0000 U	27.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	95-50-1	1,2-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	120-82-1	1,2,4-Trichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	541-73-1	1,3-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	106-46-7	1,4-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	91-58-7	2-Chloronaphthalene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	95-57-8	2-Chlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	91-57-6	2-Methylnaphthalene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	95-48-7	2-Methylphenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	88-75-5	2-Nitrophenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	890.0000 UJ	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	120-83-2	2,4-Dichlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	105-67-9	2,4-Dimethylphenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	121-14-2	2,4-Dinitrotoluene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	88-06-2	2,4,6-Trichlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	606-20-2	2,6-Dinitrotoluene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	91-94-1	3,3'-Dichlorobenzidine	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	101-55-3	4-Bromophenyl-phenylether	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	59-50-7	4-Chloro-3-Methylphenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	106-47-8	4-Chloroaniline	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	7005-72-3	4-Chlorophenyl-phenylether	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	106-44-5	4-Methylphenol	210.0000 J	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	100-02-7	4-Nitrophenol	2,100.0000 UJ	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	83-32-9	Acenaphthene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	208-96-8	Acenaphthylene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	120-12-7	Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	56-55-3	Benzo(a)Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	50-32-8	Benzo(a)Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	205-99-2	Benzo(b)Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	191-24-2	Benzo(g,h,i)Perylene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	207-08-9	Benzo(k)Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	111-91-1	bis(2-Chloroethoxy)Methane	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	111-44-4	bis(2-Chloroethyl)Ether	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	117-81-7	bis(2-Ethylhexyl)Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	85-68-7	Butylbenzylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	86-74-8	Carbazole	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	218-01-9	Chrysene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	132-64-9	Dibenzofuran	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	53-70-3	Dibenz(a,h)Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	84-66-2	Diethylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	131-11-3	Dimethyl Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	84-74-2	Di-n-Butylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	117-84-0	Di-n-Octyl Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	206-44-0	Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	86-73-7	Fluorene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	118-74-1	Hexachlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	SVOA	SD-003-02	87-68-3	Hexachlorobutadiene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	77-47-4	Hexachlorocyclopentadiene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	67-72-1	Hexachloroethane	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	193-39-5	Indeno(1,2,3-cd)Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	78-59-1	Isophorone	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	91-20-3	Naphthalene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	98-95-3	Nitrobenzene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	621-64-7	N-Nitroso-Di-n-Propylamine	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	86-30-6	N-Nitrosodiphenylamine	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	87-86-5	Pentachlorophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	85-01-8	Phenanthrene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	108-95-2	Phenol	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-02	129-00-0	Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-34-3	1,1-Dichloroethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-35-4	1,1-Dichloroethene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	71-55-6	1,1,1-Trichloroethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	79-00-5	1,1,2-Trichloroethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	79-34-5	1,1,2,2-Tetrachloroethane	15.0000 UJ	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	107-06-2	1,2-Dichloroethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	540-59-0	1,2-Dichloroethene (total)	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	78-87-5	1,2-Dichloropropane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	78-93-3	2-Butanone	15.0000 UJ	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	591-78-6	2-Hexanone	15.0000 UJ	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	108-10-1	4-Methyl-2-Pentanone	15.0000 UJ	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	67-64-1	Acetone	64.0000 J	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	71-43-2	Benzene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-27-4	Bromodichloromethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-25-2	Bromoform	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	74-83-9	Bromomethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-15-0	Carbon Disulfide	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	56-23-5	Carbon Tetrachloride	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	108-90-7	Chlorobenzene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-00-3	Chloroethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	67-66-3	Chloroform	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	74-87-3	Chloromethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	10061-01-5	cis-1,3-Dichloropropene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	124-48-1	Dibromochloromethane	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	100-41-4	Ethylbenzene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-09-2	Methylene Chloride	25.0000 UJ	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	100-42-5	Styrene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	127-18-4	Tetrachloroethene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	108-88-3	Toluene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	10061-02-6	trans-1,3-Dichloropropene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	79-01-6	Trichloroethene	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	75-01-4	Vinyl Chloride	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-003-03	1330-20-7	Xylene (total)	15.0000 U	15.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	95-50-1	1,2-Dichlorobenzene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	120-82-1	1,2,4-Trichlorobenzene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	541-73-1	1,3-Dichlorobenzene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	106-46-7	1,4-Dichlorobenzene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	91-58-7	2-Chloronaphthalene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	95-57-8	2-Chlorophenol	490.0000 U	490.0000	UG/KG	07/29/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	SVOA	SD-003-03	91-57-6	2-Methylnaphthalene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	95-48-7	2-Methylphenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	88-74-4	2-Nitroaniline	1,200.0000 U	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	88-75-5	2-Nitrophenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	108-60-1	2,2'-Oxybis(1-Chloropropane)	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	120-83-2	2,4-Dichlorophenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	105-67-9	2,4-Dimethylphenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	51-28-5	2,4-Dinitrophenol	1,200.0000 U	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	121-14-2	2,4-Dinitrotoluene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	95-95-4	2,4,5-Trichlorophenol	1,200.0000 U	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	88-06-2	2,4,6-Trichlorophenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	606-20-2	2,6-Dinitrotoluene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	99-09-2	3-Nitroaniline	1,200.0000 UJ	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	91-94-1	3,3'-Dichlorobenzidine	490.0000 UJ	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	101-55-3	4-Bromophenyl-phenylether	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	59-50-7	4-Chloro-3-Methylphenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	106-47-8	4-Chloroaniline	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	7005-72-3	4-Chlorophenyl-phenylether	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	106-44-5	4-Methylphenol	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	100-01-6	4-Nitroaniline	1,200.0000 U	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	100-02-7	4-Nitrophenol	87.0000 J	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	534-52-1	4,6-Dinitro-2-Methylphenol	1,200.0000 U	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	83-32-9	Acenaphthene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	208-96-8	Acenaphthylene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	120-12-7	Anthracene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	56-55-3	Benzo(a)Anthracene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	50-32-8	Benzo(a)Pyrene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	205-99-2	Benzo(b)Fluoranthene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	191-24-2	Benzo(g,h,i)Perylene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	207-08-9	Benzo(k)Fluoranthene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	111-91-1	bis(2-Chloroethoxy)Methane	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	111-44-4	bis(2-Chloroethyl)Ether	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	117-81-7	bis(2-Ethylhexyl)Phthalate	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	85-68-7	Butylbenzylphthalate	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	86-74-8	Carbazole	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	218-01-9	Chrysene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	132-64-9	Dibenzofuran	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	53-70-3	Dibenz(a,h)Anthracene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	84-66-2	Diethylphthalate	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	131-11-3	Dimethyl Phthalate	490.0000 UJ	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	84-74-2	Di-n-Butylphthalate	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	117-84-0	Di-n-Octyl Phthalate	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	206-44-0	Fluoranthene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	86-73-7	Fluorene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	118-74-1	Hexachlorobenzene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	87-68-3	Hexachlorobutadiene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	77-47-4	Hexachlorocyclopentadiene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	67-72-1	Hexachloroethane	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	193-39-5	Indeno(1,2,3-cd)Pyrene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	78-59-1	Isophorone	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	91-20-3	Naphthalene	490.0000 U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	98-95-3	Nitrobenzene	490.0000 U	490.0000	UG/KG	07/29/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	SVOA	SD-003-03	621-64-7	N-Nitroso-Di-n-Propylamine	490.0000	U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	86-30-6	N-Nitrosodiphenylamine	490.0000	U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	87-86-5	Pentachlorophenol	1,200.0000	U	1,200.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	85-01-8	Phenanthrene	490.0000	U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	108-95-2	Phenol	490.0000	U	490.0000	UG/KG	07/29/93
UMC	SED	SVOA	SD-003-03	129-00-0	Pyrene	490.0000	U	490.0000	UG/KG	07/29/93
UMC	SED	VOA	SD-004-01	75-34-3	1,1-Dichloroethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-35-4	1,1-Dichloroethene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	71-55-6	1,1,1-Trichloroethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	79-00-5	1,1,2-Trichloroethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	79-34-5	1,1,2,2-Tetrachloroethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	107-06-2	1,2-Dichloroethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	540-59-0	1,2-Dichloroethene (total)	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	78-87-5	1,2-Dichloropropane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	78-93-3	2-Butanone	22.0000	UJ	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	591-78-6	2-Hexanone	22.0000	UJ	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	108-10-1	4-Methyl-2-Pentanone	22.0000	UJ	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	67-64-1	Acetone	22.0000	UJ	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	71-43-2	Benzene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-27-4	Bromodichloromethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-25-2	Bromoform	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	74-83-9	Bromomethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-15-0	Carbon Disulfide	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	56-23-5	Carbon Tetrachloride	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	108-90-7	Chlorobenzene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-00-3	Chloroethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	67-66-3	Chloroform	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	74-87-3	Chloromethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	10061-01-5	cis-1,3-Dichloropropene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	124-48-1	Dibromochloromethane	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	100-41-4	Ethylbenzene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-09-2	Methylene Chloride	22.0000	UJ	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	100-42-5	Styrene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	127-18-4	Tetrachloroethene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	108-88-3	Toluene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	10061-02-6	trans-1,3-Dichloropropene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	79-01-6	Trichloroethene	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	75-01-4	Vinyl Chloride	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-01	1330-20-7	Xylene (total)	22.0000	U	22.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	95-50-1	1,2-Dichlorobenzene	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	120-82-1	1,2,4-Trichlorobenzene	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	541-73-1	1,3-Dichlorobenzene	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	106-46-7	1,4-Dichlorobenzene	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	91-58-7	2-Chloronaphthalene	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	95-57-8	2-Chlorophenol	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	91-57-6	2-Methylnaphthalene	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	95-48-7	2-Methylphenol	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	88-74-4	2-Nitroaniline	1,800.0000	U	1,800.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	88-75-5	2-Nitrophenol	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	730.0000	UJ	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	120-83-2	2,4-Dichlorophenol	730.0000	U	730.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-01	105-67-9	2,4-Dimethylphenol	730.0000	U	730.0000	UG/KG	05/26/93

Chestnut Ridge OU-2 FCAP Phase 2 RI

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ g	MDL	Units	DateColl
UMC	SED	SVOA	SD-004-01	51-28-5	2,4-Dinitrophenol	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	121-14-2	2,4-Dinitrotoluene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	95-95-4	2,4,5-Trichlorophenol	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	88-06-2	2,4,6-Trichlorophenol	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	606-20-2	2,6-Dinitrotoluene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	99-09-2	3-Nitroaniline	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	91-94-1	3,3'-Dichlorobenzidine	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	101-55-3	4-Bromophenyl-phenylether	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	59-50-7	4-Chloro-3-Methylphenol	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	106-47-8	4-Chloroaniline	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	7005-72-3	4-Chlorophenyl-phenylether	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	106-44-5	4-Methylphenol	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	100-01-6	4-Nitroaniline	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	100-02-7	4-Nitrophenol	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	534-52-1	4,6-Dinitro-2-Methylphenol	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	83-32-9	Acenaphthene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	208-96-8	Acenaphthylene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	120-12-7	Anthracene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	56-55-3	Benzo(a)Anthracene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	50-32-8	Benzo(a)Pyrene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	205-99-2	Benzo(b)Fluoranthene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	191-24-2	Benzo(g,h,i)Perylene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	207-08-9	Benzo(k)Fluoranthene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	111-91-1	bis(2-Chloroethoxy)Methane	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	111-44-4	bis(2-Chloroethyl)Ether	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	117-81-7	bis(2-Ethylhexyl)Phthalate	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	85-68-7	Butylbenzylphthalate	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	86-74-8	Carbazole	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	218-01-9	Chrysene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	132-64-9	Dibenzofuran	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	53-70-3	Dibenz(a,h)Anthracene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	84-66-2	Diethylphthalate	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	131-11-3	Dimethyl Phthalate	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	84-74-2	Di-n-Butylphthalate	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	117-84-0	Di-n-Octyl Phthalate	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	206-44-0	Fluoranthene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	86-73-7	Fluorene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	118-74-1	Hexachlorobenzene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	87-68-3	Hexachlorobutadiene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	77-47-4	Hexachlorocyclopentadiene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	67-72-1	Hexachloroethane	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	193-39-5	Indeno(1,2,3-cd)Pyrene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	78-59-1	Isochlorone	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	91-20-3	Naphthalene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	98-95-3	Nitrobenzene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	621-64-7	N-Nitroso-Di-n-Propylamine	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	86-30-6	N-Nitrosodiphenylamine	1,800.0000 U	1,800.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	87-86-5	Pentachlorophenol	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	85-01-8	Phenanthrene	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	108-95-2	Phenol	730.0000 U	730.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-01	129-00-0	Pyrene	19.0000 U	19.0000	UG/Kg	05/26/93
UMC	SED	SVOA	SD-004-11	75-34-3	1,1-Dichloroethane				

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	VOA	SD-004-11	75-35-4	1,1-Dichloroethene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	71-55-6	1,1,1-Trichloroethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	79-00-5	1,1,2-Trichloroethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	79-34-5	1,1,2,2-Tetrachloroethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	107-06-2	1,2-Dichloroethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	540-59-0	1,2-Dichloroethene (total)	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	78-87-5	1,2-Dichloropropane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	78-93-3	2-Butanone	19.0000 UJ	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	591-78-6	2-Hexanone	19.0000 UJ	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	108-10-1	4-Methyl-2-Pentanone	19.0000 UJ	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	67-64-1	Acetone	19.0000 UJ	18.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	71-43-2	Benzene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	75-27-4	Bromodichloromethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	75-25-2	Bromoform	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	74-83-9	Bromomethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	75-15-0	Carbon Disulfide	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	56-23-5	Carbon Tetrachloride	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	108-90-7	Chlorobenzene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	75-00-3	Chloroethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	67-66-3	Chloroform	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	74-87-3	Chloromethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	10061-01-5	cis-1,3-Dichloropropene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	124-48-1	Dibromochloromethane	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	100-41-4	Ethylbenzene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	75-09-2	Methylene Chloride	19.0000 UJ	18.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	100-42-5	Styrene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	127-18-4	Tetrachloroethene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	108-88-3	Toluene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	10061-02-6	trans-1,3-Dichloropropene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	79-01-6	Trichloroethene	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	75-01-4	Vinyl Chloride	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	VOA	SD-004-11	1330-20-7	Xylene (total)	19.0000 U	19.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	95-50-1	1,2-Dichlorobenzene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	120-82-1	1,2,4-Trichlorobenzene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	541-73-1	1,3-Dichlorobenzene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	106-46-7	1,4-Dichlorobenzene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	91-58-7	2-Chloronaphthalene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	95-57-8	2-Chlorophenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	91-57-6	2-Methylnaphthalene	110.0000 J	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	95-48-7	2-Methylphenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	88-74-4	2-Nitroaniline	1,500.0000 U	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	88-75-5	2-Nitrophenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	610.0000 UJ	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	120-83-2	2,4-Dichlorophenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	105-67-9	2,4-Dimethylphenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	51-28-5	2,4-Dinitrophenol	1,500.0000 UJ	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	121-14-2	2,4-Dinitrotoluene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	95-95-4	2,4,5-Trichlorophenol	1,500.0000 U	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	88-06-2	2,4,6-Trichlorophenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	606-20-2	2,6-Dinitrotoluene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	99-09-2	3-Nitroaniline	1,500.0000 U	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	91-94-1	3,3'-Dichlorobenzidine	610.0000 UJ	610.0000	UG/KG	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
UMC	SED	SVOA	SD-004-11	101-55-3	4-Bromophenyl-phenylether	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	59-50-7	4-Chloro-3-Methylphenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	106-47-8	4-Chloroaniline	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	7005-72-3	4-Chlorophenyl-phenylether	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	106-44-5	4-Methylphenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	100-01-6	4-Nitroaniline	1,500.0000 U	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	100-02-7	4-Nitrophenol	1,500.0000 UJ	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	534-52-1	4,6-Dinitro-2-Methylphenol	1,500.0000 U	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	83-32-9	Acenaphthene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	208-96-8	Acenaphthylene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	120-12-7	Anthracene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	56-55-3	Benzo(a)Anthracene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	50-32-8	Benzo(a)Pyrene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	205-99-2	Benzo(b)Fluoranthene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	191-24-2	Benzo(g,h,i)Perylene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	207-08-9	Benzo(k)Fluoranthene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	111-91-1	bis(2-Chloroethoxy)Methane	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	111-44-4	bis(2-Chloroethyl)Ether	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	117-81-7	bis(2-Ethylhexyl)Phthalate	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	85-68-7	Butylbenzylphthalate	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	86-74-8	Carbazole	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	218-01-9	Chrysene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	132-64-9	Dibenzofuran	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	53-70-3	Dibenz(a,h)Anthracene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	84-66-2	Diethylphthalate	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	131-11-3	Dimethyl Phthalate	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	84-74-2	Di-n-Butylphthalate	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	117-84-0	Di-n-Octyl Phthalate	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	206-44-0	Fluoranthene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	86-73-7	Fluorene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	118-74-1	Hexachlorobenzene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	87-68-3	Hexachlorobutadiene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	77-47-4	Hexachlorocyclopentadiene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	67-72-1	Hexachloroethane	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	193-39-5	Indeno(1,2,3-cd)Pyrene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	78-59-1	Isophorone	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	91-20-3	Naphthalene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	98-95-3	Nitrobenzene	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	621-64-7	N-Nitroso-Di-n-Propylamine	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	86-30-6	N-Nitrosodiphenylamine	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	87-86-5	Pentachlorophenol	1,500.0000 U	1,500.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	85-01-8	Phenanthrene	70.0000 J	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	108-95-2	Phenol	610.0000 U	610.0000	UG/KG	05/26/93
UMC	SED	SVOA	SD-004-11	129-00-0	Pyrene	610.0000 U	610.0000	UG/KG	05/26/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
BKGD	SED	METALS	SD-005-01	7429-90-5	Aluminum	6,030.0000	15.2000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-36-0	Antimony	15.6000 UJ	15.6000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-38-2	Arsenic	7.6000	1.3000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-39-3	Barium	218.0000	0.8600	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-41-7	Beryllium	0.7700	0.4300	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-43-9	Cadmium	2.2000 U	2.2000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-70-2	Calcium	10,200.0000	10.4000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-47-3	Chromium	8.3000	3.5000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-48-4	Cobalt	13.2000	3.5000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-50-8	Copper	14.8000	1.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7439-89-6	Iron	11,600.0000	17.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7439-92-1	Lead	9.9000	0.8600	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7439-95-4	Magnesium	5,890.0000	25.5000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7439-96-5	Manganese	3,370.0000	0.4300	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7439-97-6	Mercury	0.2200 U	0.2200	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-02-0	Nickel	11.5000	7.4000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-09-7	Potassium	785.0000	585.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7782-49-2	Selenium	1.3000 UJ	1.3000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-22-4	Silver	3.0000 U	3.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-23-5	Sodium	196.0000 U	109.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-28-0	Thallium	1.7000 U	1.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-62-2	Vanadium	13.6000	2.6000	MG/KG	06/04/93
BKGD	SED	METALS	SD-005-01	7440-66-6	Zinc	321.0000	1.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7429-90-5	Aluminum	3,870.0000	7.6000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-36-0	Antimony	7.8000 UJ	7.8000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-38-2	Arsenic	4.4000	0.6500	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-39-3	Barium	118.0000	0.4400	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-41-7	Beryllium	0.8000	0.2200	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-43-9	Cadmium	1.1000 U	1.1000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-70-2	Calcium	1,020.0000	5.2000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-47-3	Chromium	27.3000	1.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-48-4	Cobalt	13.4000	1.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-50-8	Copper	2.0000	0.8700	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7439-89-6	Iron	19,400.0000	8.9000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7439-92-1	Lead	1.7000	0.4400	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7439-95-4	Magnesium	467.0000	12.8000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7439-96-5	Manganese	2,040.0000	0.2200	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7439-97-6	Mercury	0.1100 U	0.1100	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-02-0	Nickel	5.9000	3.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-09-7	Potassium	294.0000 U	294.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7782-49-2	Selenium	0.6500 UJ	0.6500	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-22-4	Silver	1.5000 U	1.5000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-23-5	Sodium	99.7000 U	54.6000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-28-0	Thallium	0.8700 U	0.8700	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-62-2	Vanadium	33.7000	1.3000	MG/KG	06/04/93
BKGD	SED	METALS	SD-006-01	7440-66-6	Zinc	106.0000	0.8700	MG/KG	06/04/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SED	METALS	SD-007-01	7429-90-5	Aluminum	4,900.0000	9.9000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-36-0	Antimony	10.2000 UJ	10.2000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-38-2	Arsenic	13.4000	0.8500	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-39-3	Barium	68.0000	0.5600	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-41-7	Beryllium	1.2000	0.2800	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-43-9	Cadmium	1.4000 U	1.4000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-70-2	Calcium	17,900.0000	6.8000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-47-3	Chromium	24.5000	2.3000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-48-4	Cobalt	17.6000	2.3000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-50-8	Copper	2.7000	1.1000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7439-89-6	Iron	20,900.0000	11.6000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7439-92-1	Lead	11.8000	0.5600	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7439-95-4	Magnesium	3,130.0000	16.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7439-96-5	Manganese	1,490.0000	0.2800	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7439-97-6	Mercury	0.1400 U	0.1400	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-02-0	Nickel	9.2000	4.8000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-09-7	Potassium	382.0000 U	382.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7782-49-2	Selenium	0.8500 UJ	0.8500	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-22-4	Silver	2.0000 U	2.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-23-5	Sodium	133.0000 U	71.0000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-28-0	Thallium	1.1000 U	1.1000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-62-2	Vanadium	33.9000	1.7000	MG/KG	06/04/93
BKGD	SED	METALS	SD-007-01	7440-66-6	Zinc	106.0000	1.1000	MG/KG	06/04/93
BKGD	SED	METALS	SD-011-01	7429-90-5	Aluminum	2,810.0000	10.0000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-36-0	Antimony	11.2000 UJ	11.2000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-38-2	Arsenic	3.5000 J	0.7300	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-39-3	Barium	87.8000	1.2000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-41-7	Beryllium	0.4900 U	0.4900	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-43-9	Cadmium	1.2000 UJ	1.2000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-70-2	Calcium	859.0000	38.1000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-47-3	Chromium	16.6000	2.4000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-48-4	Cobalt	8.1000	2.2000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-50-8	Copper	6.1000 U	6.1000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7439-89-6	Iron	20,300.0000 J	1.5000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7439-92-1	Lead	10.3000 J	0.4900	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7439-95-4	Magnesium	189.0000	116.0000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7439-96-5	Manganese	1,310.0000 J	1.5000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7439-97-6	Mercury	0.1200 U	0.1200	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-02-0	Nickel	7.6000 U	7.6000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-09-7	Potassium	546.0000 U	546.0000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7782-49-2	Selenium	0.7300 R	0.7300	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-22-4	Silver	2.4000 U	2.4000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-23-5	Sodium	32.4000	31.5000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-28-0	Thallium	0.9800 UJ	0.9800	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-62-2	Vanadium	35.0000	1.7000	MG/KG	06/23/93
BKGD	SED	METALS	SD-011-01	7440-66-6	Zinc	24.1000	0.7300	MG/KG	06/23/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SED	METALS	SD-001-01	7429-90-5	Aluminum	11,500.0000	11.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-36-0	Antimony	12.8000 UJ	12.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-38-2	Arsenic	53.5000 J	0.8400	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-39-3	Barium	98.1000	1.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-41-7	Beryllium	0.5600 U	0.5600	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-43-9	Cadmium	1.4000 UJ	1.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-70-2	Calcium	1,450.0000	43.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-47-3	Chromium	10.4000	2.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-48-4	Cobalt	9.6000	2.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-50-8	Copper	12.1000	7.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7439-89-6	Iron	18,600.0000	1.7000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7439-92-1	Lead	16.9000 J	0.5600	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7439-95-4	Magnesium	727.0000	132.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7439-96-5	Manganese	603.0000	1.7000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7439-97-6	Mercury	0.1400 U	0.1400	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-02-0	Nickel	13.0000	8.6000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-09-7	Potassium	748.0000	622.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7782-49-2	Selenium	1.0000 J	0.8400	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-22-4	Silver	2.8000 UJ	2.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-23-5	Sodium	218.0000	35.9000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-28-0	Thallium	1.1000 U	1.1000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-62-2	Vanadium	29.2000	2.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-01	7440-66-6	Zinc	40.0000	0.8400	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7429-90-5	Aluminum	10,600.0000	11.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-36-0	Antimony	12.8000 UJ	12.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-38-2	Arsenic	76.6000 J	10.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-39-3	Barium	88.4000	1.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-41-7	Beryllium	0.7800	0.5500	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-43-9	Cadmium	1.4000 UJ	1.4000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-70-2	Calcium	1,190.0000	43.3000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-47-3	Chromium	32.9000	2.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-48-4	Cobalt	11.1000	2.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-50-8	Copper	12.0000	6.9000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7439-89-6	Iron	30,100.0000	1.7000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7439-92-1	Lead	18.2000 J	0.5500	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7439-95-4	Magnesium	621.0000	132.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7439-96-5	Manganese	976.0000	1.7000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7439-97-6	Mercury	0.1400 U	0.1400	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-02-0	Nickel	16.3000	8.6000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-09-7	Potassium	620.0000 U	620.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7782-49-2	Selenium	0.8300 U	0.8300	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-22-4	Silver	2.8000 UJ	2.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-23-5	Sodium	206.0000 J	35.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-28-0	Thallium	1.1000 U	1.1000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-62-2	Vanadium	35.5000	1.9000	MG/KG	05/27/93
FCAP	SED	METALS	SD-001-11	7440-66-6	Zinc	38.6000 J	0.8300	MG/KG	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SED	METALS	SD-002-01	7429-90-5	Aluminum	10,600.0000	31.1000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-36-0	Antimony	34.8000 UJ	34.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-38-2	Arsenic	10.0000 J	2.3000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-39-3	Barium	43.6000	3.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-41-7	Beryllium	2.1000	1.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-43-9	Cadmium	3.8000 UJ	3.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-70-2	Calcium	3,710.0000	118.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-47-3	Chromium	14.5000	7.6000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-48-4	Cobalt	8.5000	6.8000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-50-8	Copper	18.9000 U	18.9000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7439-89-6	Iron	9,550.0000	4.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7439-92-1	Lead	24.8000 J	1.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7439-95-4	Magnesium	1,230.0000	361.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7439-96-5	Manganese	363.0000	4.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7439-97-6	Mercury	0.3800 U	0.3800	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-02-0	Nickel	23.5000 U	23.5000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-09-7	Potassium	1,690.0000 U	1,690.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7782-49-2	Selenium	2.3000 U	2.3000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-22-4	Silver	7.6000 UJ	7.6000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-23-5	Sodium	541.0000	97.7000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-28-0	Thallium	3.0000 U	3.0000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-62-2	Vanadium	23.7000	5.3000	MG/KG	05/27/93
FCAP	SED	METALS	SD-002-01	7440-66-6	Zinc	58.2000	2.3000	MG/KG	05/27/93
UMC	SED	METALS	SD-003-01	7429-90-5	Aluminum	22,700.0000	33.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-36-0	Antimony	37.7000 UJ	37.7000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-38-2	Arsenic	2,300.0000 J	32.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-39-3	Barium	596.0000	4.1000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-41-7	Beryllium	3.4000	1.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-43-9	Cadmium	4.1000 UJ	4.1000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-70-2	Calcium	8,190.0000	128.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-47-3	Chromium	21.7000	8.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-48-4	Cobalt	86.2000	7.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-50-8	Copper	23.1000	20.5000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7439-89-6	Iron	63,300.0000	4.9000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7439-92-1	Lead	11.6000 J	1.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7439-95-4	Magnesium	3,810.0000	390.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7439-96-5	Manganese	13,700.0000	4.9000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7439-97-6	Mercury	0.4100 U	0.4100	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-02-0	Nickel	45.1000	25.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-09-7	Potassium	2,600.0000	1,830.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7782-49-2	Selenium	2.4000 UJ	2.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-22-4	Silver	8.2000 UJ	8.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-23-5	Sodium	520.0000	106.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-28-0	Thallium	3.3000 U	3.3000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-62-2	Vanadium	48.7000	5.7000	MG/KG	05/26/93
UMC	SED	METALS	SD-003-01	7440-66-6	Zinc	251.0000	2.4000	MG/KG	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	SED	METALS	SD-003-02	7429-90-5	Aluminum	18,600.0000		22.7000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-36-0	Antimony	24.3000	R	24.3000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-38-2	Arsenic	774.0000		16.2000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-39-3	Barium	235.0000		1.1000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-41-7	Beryllium	4.7000		2.2000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-43-9	Cadmium	2.7000	UJ	2.7000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-70-2	Calcium	30,400.0000		60.0000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-47-3	Chromium	20.9000		5.4000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-48-4	Cobalt	29.1000		4.9000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-50-8	Copper	20.0000		8.1000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7439-89-6	Iron	42,700.0000		7.0000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7439-92-1	Lead	17.1000	J	1.1000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7439-95-4	Magnesium	18,000.0000		199.0000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7439-96-5	Manganese	4,900.0000		2.2000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7439-97-6	Mercury	0.2700	U	0.2700	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-02-0	Nickel	37.2000		18.9000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-09-7	Potassium	2,280.0000		1,230.0000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7782-49-2	Selenium	2.2000	J	1.6000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-22-4	Silver	2.2000	U	2.2000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-23-5	Sodium	159.0000		58.9000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-28-0	Thallium	1.6000	U	1.6000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-62-2	Vanadium	47.1000		5.4000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-02	7440-66-6	Zinc	265.0000	J	2.7000	MG/KG	07/29/93
UMC	SED	METALS	SD-003-03	7429-90-5	Aluminum	10,200.0000	J	22.7000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-36-0	Antimony	13.2000	UJ	24.3000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-38-2	Arsenic	43.5000	J	16.2000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-39-3	Barium	26.1000		1.1000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-41-7	Beryllium	1.2000	U	2.2000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-43-9	Cadmium	1.5000	U	2.7000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-70-2	Calcium	3,080.0000		60.0000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-47-3	Chromium	15.4000	J	5.4000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-48-4	Cobalt	10.3000		4.9000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-50-8	Copper	22.4000	J	8.1000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7439-89-6	Iron	26,300.0000	J	7.0000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7439-92-1	Lead	24.7000	J	1.1000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7439-95-4	Magnesium	1,330.0000		199.0000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7439-96-5	Manganese	495.0000	J	2.2000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7439-97-6	Mercury	0.1500	U	0.2700	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-02-0	Nickel	16.5000		18.9000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-09-7	Potassium	815.0000		1,230.0000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7782-49-2	Selenium	0.8800	R	1.6000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-22-4	Silver	1.2000	U	2.2000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-23-5	Sodium	49.1000		58.9000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-28-0	Thallium	0.8800	U	1.6000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-62-2	Vanadium	48.0000		5.4000	MG/KG	09/15/93
UMC	SED	METALS	SD-003-03	7440-66-6	Zinc	67.6000	J	2.7000	MG/KG	09/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	SED	METALS	SD-004-01	7429-90-5	Aluminum	9,320.0000	18.1000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-36-0	Antimony	20.3000 UJ	20.3000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-38-2	Arsenic	167.0000 J	17.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-39-3	Barium	309.0000	2.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-41-7	Beryllium	1.4000	0.8800	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-43-9	Cadmium	2.2000 UJ	2.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-70-2	Calcium	3,640.0000	68.9000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-47-3	Chromium	8.5000	4.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-48-4	Cobalt	20.7000	4.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-50-8	Copper	19.1000	11.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7439-89-6	Iron	21,900.0000	2.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7439-92-1	Lead	6.7000 J	0.8800	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7439-95-4	Magnesium	1,020.0000	210.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7439-96-5	Manganese	4,030.0000	2.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7439-97-6	Mercury	0.2200 U	0.2200	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-02-0	Nickel	30.7000	13.7000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-09-7	Potassium	1,750.0000	987.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7782-49-2	Selenium	1.3000 UJ	1.3000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-22-4	Silver	4.4000 UJ	4.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-23-5	Sodium	385.0000	57.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-28-0	Thallium	1.8000 U	1.8000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-62-2	Vanadium	27.3000	3.1000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-01	7440-66-6	Zinc	157.0000	1.3000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7429-90-5	Aluminum	6,520.0000	15.1000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-36-0	Antimony	17.0000 UJ	17.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-38-2	Arsenic	121.0000 J	14.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-39-3	Barium	204.0000	1.8000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-41-7	Beryllium	1.1000	0.7400	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-43-9	Cadmium	1.8000 UJ	1.8000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-70-2	Calcium	2,600.0000	57.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-47-3	Chromium	7.3000	3.7000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-48-4	Cobalt	16.5000	3.3000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-50-8	Copper	14.4000	9.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7439-89-6	Iron	23,100.0000	2.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7439-92-1	Lead	6.6000 J	0.7400	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7439-95-4	Magnesium	783.0000	176.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7439-96-5	Manganese	2,700.0000	2.2000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7439-97-6	Mercury	0.1800 U	0.1800	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-02-0	Nickel	23.4000	11.4000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-09-7	Potassium	1,080.0000	825.0000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7782-49-2	Selenium	2.4000 J	1.1000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-22-4	Silver	3.7000 UJ	3.7000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-23-5	Sodium	329.0000	47.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-28-0	Thallium	1.5000 U	1.5000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-62-2	Vanadium	20.5000	2.6000	MG/KG	05/26/93
UMC	SED	METALS	SD-004-11	7440-66-6	Zinc	136.0000	1.1000	MG/KG	05/26/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Conc/ Q	MDA	Units	Uncertainty	Date Coll
BKGD	SED	RAD	SD-005-01	14274-82-9	Thorium-228	0.8400	0.0980	pCi/g	0.2700	06/04/93
BKGD	SED	RAD	SD-005-01	14269-63-7	Thorium-230	1.5000 U	0.1470	pCi/g	0.3500	06/04/93
BKGD	SED	RAD	SD-005-01	7440-29-1	Thorium-232	0.5800	0.0010	pCi/g	0.2200	06/04/93
BKGD	SED	RAD	SD-005-01	13966-29-5	Uranium-23	1.0000	0.0970	pCi/g	0.3500	06/04/93
BKGD	SED	RAD	SD-005-01	15117-96-1	Uranium-23	0.1800	0.0000	pCi/g	0.1400	06/04/93
BKGD	SED	RAD	SD-005-01	7440-61-1	Uranium-23	1.4000	0.0970	pCi/g	0.4000	06/04/93
BKGD	SED	RAD	SD-006-01	14274-82-9	Thorium-228	0.3600	0.1160	pCi/g	0.1800	06/04/93
BKGD	SED	RAD	SD-006-01	14269-63-7	Thorium-230	0.8600 U	0.1060	pCi/g	0.2700	06/04/93
BKGD	SED	RAD	SD-006-01	7440-29-1	Thorium-232	0.2600	0.0300	pCi/g	0.1500	06/04/93
BKGD	SED	RAD	SD-006-01	13966-29-5	Uranium-23	0.6500	0.1740	pCi/g	0.3200	06/04/93
BKGD	SED	RAD	SD-006-01	15117-96-1	Uranium-23	0.2200	0.0870	pCi/g	0.1800	06/04/93
BKGD	SED	RAD	SD-006-01	7440-61-1	Uranium-23	0.7900	0.0870	pCi/g	0.3400	06/04/93
BKGD	SED	RAD	SD-007-01	14274-82-9	Thorium-228	0.7200	0.2000	pCi/g	0.2900	06/04/93
BKGD	SED	RAD	SD-007-01	14269-63-7	Thorium-230	1.8000 U	0.1200	pCi/g	0.4300	06/04/93
BKGD	SED	RAD	SD-007-01	7440-29-1	Thorium-232	0.7100	0.0330	pCi/g	0.2700	06/04/93
BKGD	SED	RAD	SD-007-01	13966-29-5	Uranium-23	0.9500	0.1000	pCi/g	0.3100	06/04/93
BKGD	SED	RAD	SD-007-01	15117-96-1	Uranium-23	0.1200	0.0580	pCi/g	0.1100	06/04/93
BKGD	SED	RAD	SD-007-01	7440-61-1	Uranium-23	0.7200	0.0820	pCi/g	0.2700	06/04/93
BKGD	SED	RAD	SD-011-01	14274-82-9	Thorium-228	0.6200	0.1270	pCi/g	0.2400	06/23/93
BKGD	SED	RAD	SD-011-01	14269-63-7	Thorium-230	1.4000 U	0.0000	pCi/g	0.3500	06/23/93
BKGD	SED	RAD	SD-011-01	7440-29-1	Thorium-232	0.6600	0.0560	pCi/g	0.2400	06/23/93
BKGD	SED	RAD	SD-011-01	13966-29-5	Uranium-23	0.8700	0.1200	pCi/g	0.2700	06/23/93
BKGD	SED	RAD	SD-011-01	15117-96-1	Uranium-23	0.0360 U	0.0490	pCi/g	0.0600	06/23/93
BKGD	SED	RAD	SD-011-01	7440-61-1	Uranium-23	0.8000	0.0690	pCi/g	0.2600	06/23/93
FCAP	SED	RAD	SD-001-01	12587-46-1	Alpha	12.0000 J	10.0000	pCi/g	7.5000	05/27/93
FCAP	SED	RAD	SD-001-01	12587-47-2	Beta	16.0000 J	6.3000	pCi/g	4.5000	05/27/93
FCAP	SED	RAD	SD-001-01	14274-82-9	Thorium-228	0.7300	0.1070	pCi/g	0.3400	05/27/93
FCAP	SED	RAD	SD-001-01	14269-63-7	Thorium-230	2.2000	0.1850	pCi/g	0.6000	05/27/93
FCAP	SED	RAD	SD-001-01	7440-29-1	Thorium-232	0.6300	0.0250	pCi/g	0.2600	05/27/93
FCAP	SED	RAD	SD-001-01	13966-29-5	Uranium-23	1.7000	0.2970	pCi/g	0.4900	05/27/93
FCAP	SED	RAD	SD-001-01	15117-96-1	Uranium-23	0.2900	0.1080	pCi/g	0.2000	05/27/93
FCAP	SED	RAD	SD-001-01	7440-61-1	Uranium-23	1.6000	0.1330	pCi/g	0.4500	05/27/93
FCAP	SED	RAD	SD-001-11	12587-46-1	Alpha	11.0000 U	12.0000	pCi/g	8.1000	05/27/93
FCAP	SED	RAD	SD-001-11	12587-47-2	Beta	14.0000 J	7.0000	pCi/g	4.6000	05/27/93
FCAP	SED	RAD	SD-001-11	14274-82-9	Thorium-228	0.7100	0.4350	pCi/g	1.0000	05/27/93
FCAP	SED	RAD	SD-001-11	14269-63-7	Thorium-230	3.8000 U	0.3930	pCi/g	1.2000	05/27/93
FCAP	SED	RAD	SD-001-11	7440-29-1	Thorium-232	1.6000	0.0330	pCi/g	0.5800	05/27/93
FCAP	SED	RAD	SD-001-11	13966-29-5	Uranium-23	2.0000	0.1600	pCi/g	0.4100	05/27/93
FCAP	SED	RAD	SD-001-11	15117-96-1	Uranium-23	0.0450 U	0.0840	pCi/g	0.0740	05/27/93
FCAP	SED	RAD	SD-001-11	7440-61-1	Uranium-23	1.6000	0.0680	pCi/g	0.3600	05/27/93
FCAP	SED	RAD	SD-002-01	12587-46-1	Alpha	11.0000 J	8.6000	pCi/g	6.7000	05/27/93
FCAP	SED	RAD	SD-002-01	12587-47-2	Beta	16.0000 J	6.7000	pCi/g	4.6000	05/27/93
FCAP	SED	RAD	SD-002-01	14274-82-9	Thorium-228	0.6300	0.1620	pCi/g	0.4600	05/27/93
FCAP	SED	RAD	SD-002-01	14269-63-7	Thorium-230	1.7000 U	0.3250	pCi/g	0.8600	05/27/93
FCAP	SED	RAD	SD-002-01	7440-29-1	Thorium-232	0.4500	0.0270	pCi/g	0.2700	05/27/93
FCAP	SED	RAD	SD-002-01	13966-29-5	Uranium-23	3.9000	0.3200	pCi/g	0.7800	05/27/93
FCAP	SED	RAD	SD-002-01	15117-96-1	Uranium-23	0.2500	0.1260	pCi/g	0.2000	05/27/93
FCAP	SED	RAD	SD-002-01	7440-61-1	Uranium-23	3.0000	0.1540	pCi/g	0.6700	05/27/93
UMC	SED	RAD	SD-003-01	12587-46-1	Alpha	74.0000 J	8.4000	pCi/g	13.0000	05/26/93
UMC	SED	RAD	SD-003-01	12587-47-2	Beta	49.0000 J	6.7000	pCi/g	0.6000	05/26/93
UMC	SED	RAD	SD-003-01	14274-82-9	Thorium-228	4.3000	0.1540	pCi/g	0.8600	05/26/93
UMC	SED	RAD	SD-003-01	14269-63-7	Thorium-230	2.0000 U	0.1540	pCi/g	0.6400	05/26/93
UMC	SED	RAD	SD-003-01	7440-29-1	Thorium-232	0.9300	0.0000	pCi/g	0.4200	05/26/93
UMC	SED	RAD	SD-003-01	13966-29-5	Uranium-23	1.7000	0.2050	pCi/g	0.4100	05/26/93
UMC	SED	RAD	SD-003-01	15117-96-1	Uranium-23	0.1400	0.0530	pCi/g	0.1100	05/26/93
UMC	SED	RAD	SD-003-01	7440-61-1	Uranium-23	1.9000	0.0750	pCi/g	0.4100	05/26/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
UMC	SED	RAD	SD-003-02	12587-46-1	Alpha	13.0000 J	4.9000	pCi/g	4.8000	07/29/93
UMC	SED	RAD	SD-003-02	12587-47-2	Beta	22.0000	5.6000	pCi/g	4.3000	07/29/93
UMC	SED	RAD	SD-003-02	14274-82-9	Thorium-228	0.8100 J	0.1000	pCi/g	0.2600	07/29/93
UMC	SED	RAD	SD-003-02	14269-63-7	Thorium-230	1.6000 UJ	0.1490	pCi/g	0.3700	07/29/93
UMC	SED	RAD	SD-003-02	7440-29-1	Thorium-232	0.7400 UJ	0.0000	pCi/g	0.2500	07/29/93
UMC	SED	RAD	SD-003-02	13966-29-5	Uranium-23	1.0000	0.0490	pCi/g	0.2100	07/29/93
UMC	SED	RAD	SD-003-02	15117-96-1	Uranium-23	0.0320 U	0.0240	pCi/g	0.0360	07/29/93
UMC	SED	RAD	SD-003-02	7440-61-1	Uranium-23	1.2000 J	0.0240	pCi/g	0.2300	07/29/93
UMC	SED	RAD	SD-003-03	12587-46-1	Alpha	11.0000	6.1000	pCi/g	5.3000	09/15/94
UMC	SED	RAD	SD-003-03	12587-47-2	Beta	7.9000 U	8.5000	pCi/g	5.4000	09/15/94
UMC	SED	RAD	SD-003-03	14274-82-9	Thorium-228	0.6700 J	0.1600	pCi/g	0.2100	09/15/94
UMC	SED	RAD	SD-003-03	14269-63-7	Thorium-230	1.6000	0.1700	pCi/g	0.3200	09/15/94
UMC	SED	RAD	SD-003-03	7440-29-1	Thorium-232	1.5000	0.1300	pCi/g	0.3100	09/15/94
UMC	SED	RAD	SD-003-03	13966-29-5	Uranium-23	1.4000 UJ	0.2100	pCi/g	1.6000	09/15/94
UMC	SED	RAD	SD-003-03	15117-96-1	Uranium-23	-0.0140 U	0.1800	pCi/g	0.0013	09/15/94
UMC	SED	RAD	SD-003-03	7440-61-1	Uranium-23	1.9000	0.1900	pCi/g	0.6300	09/15/94
UMC	SED	RAD	SD-004-01	12587-46-1	Alpha	18.0000 J	8.6000	pCi/g	7.8000	05/26/93
UMC	SED	RAD	SD-004-01	12587-47-2	Beta	16.0000 J	6.6000	pCi/g	4.6000	05/26/93
UMC	SED	RAD	SD-004-01	14274-82-9	Thorium-228	1.0000	0.1080	pCi/g	0.4000	05/26/93
UMC	SED	RAD	SD-004-01	14269-63-7	Thorium-230	1.5000 U	0.1520	pCi/g	0.5100	05/26/93
UMC	SED	RAD	SD-004-01	7440-29-1	Thorium-232	1.1000	0.0300	pCi/g	0.3300	05/26/93
UMC	SED	RAD	SD-004-01	13966-29-5	Uranium-23	0.9300	0.0790	pCi/g	0.2700	05/26/93
UMC	SED	RAD	SD-004-01	15117-96-1	Uranium-23	0.0630 U	0.0790	pCi/g	0.0800	05/26/93
UMC	SED	RAD	SD-004-01	7440-61-1	Uranium-23	1.2000	0.0640	pCi/g	0.3100	05/26/93
UMC	SED	RAD	SD-004-11	12587-46-1	Alpha	19.0000 J	8.3000	pCi/g	76.0000	05/26/93
UMC	SED	RAD	SD-004-11	12587-47-2	Beta	19.0000 J	6.7000	pCi/g	4.8000	05/26/93
UMC	SED	RAD	SD-004-11	14274-82-9	Thorium-228	0.9300	0.1460	pCi/g	0.4600	05/26/93
UMC	SED	RAD	SD-004-11	14269-63-7	Thorium-230	2.7000	0.2520	pCi/g	0.7800	05/26/93
UMC	SED	RAD	SD-004-11	7440-29-1	Thorium-232	1.2000	0.0220	pCi/g	0.4100	05/26/93
UMC	SED	RAD	SD-004-11	13966-29-5	Uranium-23	2.2000	0.2770	pCi/g	0.5300	05/26/93
UMC	SED	RAD	SD-004-11	15117-96-1	Uranium-23	0.2100	0.1010	pCi/g	0.1600	05/26/93
UMC	SED	RAD	SD-004-11	7440-61-1	Uranium-23	2.2000	0.1240	pCi/g	0.5200	05/26/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
FCAP	SOIL	SVOA	AT-001-01	95-50-1	1,2-Dichlorobenzene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	120-82-1	1,2,4-Trichlorobenzene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	541-73-1	1,3-Dichlorobenzene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	106-46-7	1,4-Dichlorobenzene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	91-58-7	2-Chloronaphthalene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	95-57-8	2-Chlorophenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	91-57-6	2-Methylnaphthalene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	95-48-7	2-Methylphenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	88-74-4	2-Nitroaniline	1,200.0000 U	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	88-75-5	2-Nitrophenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	480.0000 UJ	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	120-83-2	2,4-Dichlorophenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	105-67-9	2,4-Dimethylphenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	51-28-5	2,4-Dinitrophenol	1,200.0000 UJ	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	121-14-2	2,4-Dinitrotoluene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	95-95-4	2,4,5-Trichlorophenol	1,200.0000 U	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	88-06-2	2,4,6-Trichlorophenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	606-20-2	2,6-Dinitrotoluene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	99-09-2	3-Nitroaniline	1,200.0000 U	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	91-94-1	3,3'-Dichlorobenzidine	480.0000 UJ	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	101-55-3	4-Bromophenyl-phenylether	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	59-50-7	4-Chloro-3-Methylphenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	106-47-8	4-Chloroaniline	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	7005-72-3	4-Chlorophenyl-phenylether	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	106-44-5	4-Methylphenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	100-01-6	4-Nitroaniline	1,200.0000 U	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	100-02-7	4-Nitrophenol	1,200.0000 UJ	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,200.0000 U	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	83-32-9	Acenaphthene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	208-96-8	Acenaphthylene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	120-12-7	Anthracene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	56-55-3	Benzo(a)Anthracene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	50-32-8	Benzo(a)Pyrene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	205-99-2	Benzo(b)Fluoranthene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	191-24-2	Benzo(g,h,i)Perylene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	207-08-9	Benzo(k)Fluoranthene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	111-91-1	bis(2-Chloroethoxy)Methane	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	111-44-4	bis(2-Chloroethyl)Ether	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	117-81-7	bis(2-Ethylhexyl)Phthalate	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	85-68-7	Butylbenzylphthalate	50.0000 J	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	86-74-8	Carbazole	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	218-01-9	Chrysene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	132-64-9	Dibenzofuran	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	53-70-3	Dibenz(a,h)Anthracene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	84-66-2	Diethylphthalate	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	131-11-3	Dimethyl Phthalate	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	84-74-2	Di-n-Butylphthalate	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	117-84-0	Di-n-Octyl Phthalate	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	206-44-0	Fluoranthene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	86-73-7	Fluorene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	118-74-1	Hexachlorobenzene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	87-68-3	Hexachlorobutadiene	480.0000 U	480.0000	UG/KG	05/28/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	AT-001-01	77-47-4	Hexachlorocyclopentadiene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	67-72-1	Hexachloroethane	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	193-39-5	Indeno(1,2,3-cd)Pyrene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	78-59-1	Isophorone	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	91-20-3	Naphthalene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	98-95-3	Nitrobenzene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	621-64-7	N-Nitroso-Di-n-Propylamine	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	86-30-6	N-Nitrosodiphenylamine	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	87-86-5	Pentachlorophenol	1,200.0000 U	1,200.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	85-01-8	Phenanthrene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	108-95-2	Phenol	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-001-01	129-00-0	Pyrene	480.0000 U	480.0000	UG/KG	05/28/93
FCAP	SOIL	SVOA	AT-002-01	95-50-1	1,2-Dichlorobenzene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	120-82-1	1,2,4-Trichlorobenzene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	541-73-1	1,3-Dichlorobenzene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	106-46-7	1,4-Dichlorobenzene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	91-58-7	2-Chloronaphthalene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	95-57-8	2-Chlorophenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	91-57-6	2-Methylnaphthalene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	95-48-7	2-Methylphenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	88-74-4	2-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	88-75-5	2-Nitrophenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	120-83-2	2,4-Dichlorophenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	105-67-9	2,4-Dimethylphenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	51-28-5	2,4-Dinitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	121-14-2	2,4-Dinitrotoluene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	95-95-4	2,4,5-Trichlorophenol	1,100.0000 U	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	88-06-2	2,4,6-Trichlorophenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	606-20-2	2,6-Dinitrotoluene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	99-09-2	3-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	91-94-1	3,3'-Dichlorobenzidine	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	101-55-3	4-Bromophenyl-phenylether	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	59-50-7	4-Chloro-3-Methylphenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	106-47-8	4-Chloroaniline	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	7005-72-3	4-Chlorophenyl-phenylether	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	106-44-5	4-Methylphenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	100-01-6	4-Nitroaniline	1,100.0000 UJ	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	100-02-7	4-Nitrophenol	1,100.0000 UJ	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,100.0000 UJ	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	83-32-9	Acenaphthene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	208-96-8	Acenaphthylene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	120-12-7	Anthracene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	56-55-3	Benzo(a)Anthracene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	50-32-8	Benzo(a)Pyrene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	205-99-2	Benzo(b)Fluoranthene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	191-24-2	Benzo(g,h,i)Perylene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	207-08-9	Benzo(k)Fluoranthene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	111-91-1	bis(2-Chloroethoxy)Methane	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	111-44-4	bis(2-Chloroethyl)Ether	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	117-81-7	bis(2-Ethylhexyl)Phthalate	49.0000 J	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	85-68-7	Butylbenzylphthalate	53.0000 J	430.0000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	AT-002-01	86-74-8	Carbazole	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	218-01-9	Chrysene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	132-64-9	Dibenzofuran	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	53-70-3	Dibenz(a,h)Anthracene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	84-66-2	Diethylphthalate	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	131-11-3	Dimethyl Phthalate	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	84-74-2	Di-n-Butylphthalate	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	117-84-0	Di-n-Octyl Phthalate	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	206-44-0	Fluoranthene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	86-73-7	Fluorene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	118-74-1	Hexachlorobenzene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	87-68-3	Hexachlorobutadiene	430.0000 UJ	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	77-47-4	Hexachlorocyclopentadiene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	67-72-1	Hexachloroethane	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	193-39-5	Indeno(1,2,3-cd)Pyrene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	78-59-1	Isophorone	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	91-20-3	Naphthalene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	98-95-3	Nitrobenzene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	621-64-7	N-Nitroso-Di-n-Propylamine	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	86-30-6	N-Nitrosodiphenylamine	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	87-86-5	Pentachlorophenol	1,100.0000 UJ	1,100.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	85-01-8	Phenanthrene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	108-95-2	Phenol	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-002-01	129-00-0	Pyrene	430.0000 U	430.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	AT-003-01	95-50-1	1,2-Dichlorobenzene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	120-82-1	1,2,4-Trichlorobenzene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	541-73-1	1,3-Dichlorobenzene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	106-46-7	1,4-Dichlorobenzene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	91-58-7	2-Chloronaphthalene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	95-57-8	2-Chlorophenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	91-57-6	2-Methylnaphthalene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	95-48-7	2-Methylphenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	88-74-4	2-Nitroaniline	980.0000 UJ	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	88-75-5	2-Nitrophenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	400.0000 UJ	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	120-83-2	2,4-Dichlorophenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	105-67-9	2,4-Dimethylphenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	51-28-5	2,4-Dinitrophenol	980.0000 U	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	121-14-2	2,4-Dinitrotoluene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	95-95-4	2,4,5-Trichlorophenol	980.0000 U	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	88-06-2	2,4,6-Trichlorophenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	606-20-2	2,6-Dinitrotoluene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	99-09-2	3-Nitroaniline	980.0000 U	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	91-94-1	3,3'-Dichlorobenzidine	400.0000 UJ	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	101-55-3	4-Bromophenyl-phenylether	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	59-50-7	4-Chloro-3-Methylphenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	106-47-8	4-Chloroaniline	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	7005-72-3	4-Chlorophenyl-phenylether	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	106-44-5	4-Methylphenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	100-01-6	4-Nitroaniline	980.0000 U	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	100-02-7	4-Nitrophenol	980.0000 U	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	534-52-1	4,6-Dinitro-2-Methylphenol	980.0000 U	980.0000	UG/KG	06/03/93

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<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	AT-003-01	83-32-9	Acenaphthene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	208-96-8	Acenaphthylene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	120-12-7	Anthracene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	56-55-3	Benzo(a)Anthracene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	50-32-8	Benzo(a)Pyrene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	205-99-2	Benzo(b)Fluoranthene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	191-24-2	Benzo(g,h,i)Perylene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	207-08-9	Benzo(k)Fluoranthene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	111-91-1	bis(2-Chloroethoxy)Methane	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	111-44-4	bis(2-Chloroethyl)Ether	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	117-81-7	bis(2-Ethylhexyl)Phthalate	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	85-68-7	Butylbenzylphthalate	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	86-74-8	Carbazole	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	218-01-9	Chrysene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	132-64-9	Dibenzofuran	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	53-70-3	Dibenz(a,h)Anthracene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	84-66-2	Diethylphthalate	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	131-11-3	Dimethyl Phthalate	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	84-74-2	Di-n-Butylphthalate	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	117-84-0	Di-n-Octyl Phthalate	400.0000 UJ	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	206-44-0	Fluoranthene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	86-73-7	Fluorene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	118-74-1	Hexachlorobenzene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	87-68-3	Hexachlorobutadiene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	77-47-4	Hexachlorocyclopentadiene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	67-72-1	Hexachloroethane	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	193-39-5	Indeno(1,2,3-cd)Pyrene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	78-59-1	Isophorone	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	91-20-3	Naphthalene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	98-95-3	Nitrobenzene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	621-64-7	N-Nitroso-Di-n-Propylamine	400.0000 UJ	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	86-30-6	N-Nitrosodiphenylamine	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	87-86-5	Pentachlorophenol	980.0000 U	980.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	85-01-8	Phenanthrene	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	108-95-2	Phenol	400.0000 U	400.0000	UG/KG	06/03/93
FCAP	SOIL	SVOA	AT-003-01	129-00-0	Pyrene	400.0000 U	400.0000	UG/KG	06/03/93
SC	SOIL	SVOA	SC-002-02	95-50-1	1,2-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	120-82-1	1,2,4-Trichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	541-73-1	1,3-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	106-46-7	1,4-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	91-58-7	2-Chloronaphthalene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	95-57-8	2-Chlorophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	91-57-6	2-Methylnaphthalene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	95-48-7	2-Methylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	88-74-4	2-Nitroaniline	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	88-75-5	2-Nitrophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	120-83-2	2,4-Dichlorophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	105-67-9	2,4-Dimethylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	51-28-5	2,4-Dinitrophenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	121-14-2	2,4-Dinitrotoluene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	95-95-4	2,4,5-Trichlorophenol	940.0000 U	940.0000	UG/KG	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
SC	SOIL	SVOA	SC-002-02	88-06-2	2,4,6-Trichlorophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	606-20-2	2,6-Dinitrotoluene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	99-09-2	3-Nitroaniline	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	91-94-1	3,3'-Dichlorobenzidine	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	101-55-3	4-Bromophenyl-phenylether	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	59-50-7	4-Chloro-3-Methylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	106-47-8	4-Chloroaniline	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	7005-72-3	4-Chlorophenyl-phenylether	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	106-44-5	4-Methylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	100-01-6	4-Nitroaniline	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	100-02-7	4-Nitrophenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	534-52-1	4,6-Dinitro-2-Methylphenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	83-32-9	Acenaphthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	208-96-8	Acenaphthylene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	120-12-7	Anthracene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	56-55-3	Benzo(a)Anthracene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	50-32-8	Benzo(a)Pyrene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	205-99-2	Benzo(b)Fluoranthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	191-24-2	Benzo(g,h,i)Perylene	390.0000 UJ	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	207-08-9	Benzo(k)Fluoranthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	111-91-1	bis(2-Chloroethoxy)Methane	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	111-44-4	bis(2-Chloroethyl)Ether	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	117-81-7	bis(2-Ethylhexyl)Phthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	85-68-7	Butylbenzylphthalate	53.0000 J	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	86-74-8	Carbazole	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	218-01-9	Chrysene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	132-64-9	Dibenzofuran	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	53-70-3	Dibenz(a,h)Anthracene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	84-66-2	Diethylphthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	131-11-3	Dimethyl Phthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	84-74-2	Di-n-Butylphthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	117-84-0	Di-n-Octyl Phthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	206-44-0	Fluoranthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	86-73-7	Fluorene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	118-74-1	Hexachlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	87-68-3	Hexachlorobutadiene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	77-47-4	Hexachlorocyclopentadiene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	67-72-1	Hexachloroethane	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	193-39-5	Indeno(1,2,3-cd)Pyrene	390.0000 UJ	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	78-59-1	Isophorone	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	91-20-3	Naphthalene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	98-95-3	Nitrobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	621-64-7	N-Nitroso-Di-n-Propylamine	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	86-30-6	N-Nitrosodiphenylamine	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	87-86-5	Pentachlorophenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	85-01-8	Phenanthrene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	108-95-2	Phenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-02	129-00-0	Pyrene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	95-50-1	1,2-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	120-82-1	1,2,4-Trichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	541-73-1	1,3-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	106-46-7	1,4-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
SC	SOIL	SVOA	SC-002-12	91-58-7	2-Chloronaphthalene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	95-57-8	2-Chlorophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	91-57-6	2-Methylnaphthalene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	95-48-7	2-Methylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	88-74-4	2-Nitroaniline	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	88-75-5	2-Nitrophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	108-60-1	2,2'-Oxybis(1-Chloropropane)	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	120-83-2	2,4-Dichlorophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	105-67-9	2,4-Dimethylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	51-28-5	2,4-Dinitrophenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	121-14-2	2,4-Dinitrotoluene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	95-95-4	2,4,5-Trichlorophenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	88-06-2	2,4,6-Trichlorophenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	606-20-2	2,6-Dinitrotoluene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	99-09-2	3-Nitroaniline	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	91-94-1	3,3'-Dichlorobenzidine	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	101-55-3	4-Bromophenyl-phenylether	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	59-50-7	4-Chloro-3-Methylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	106-47-8	4-Chloroaniline	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	7005-72-3	4-Chlorophenyl-phenylether	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	106-44-5	4-Methylphenol	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	100-01-6	4-Nitroaniline	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	100-02-7	4-Nitrophenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	534-52-1	4,6-Dinitro-2-Methylphenol	940.0000 U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	83-32-9	Acenaphthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	208-96-8	Acenaphthylene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	120-12-7	Anthracene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	56-55-3	Benzo(a)Anthracene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	50-32-8	Benzo(a)Pyrene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	205-99-2	Benzo(b)Fluoranthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	191-24-2	Benzo(g,h,i)Perylene	390.0000 UJ	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	207-08-9	Benzo(k)Fluoranthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	111-91-1	bis(2-Chloroethoxy)Methane	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	111-44-4	bis(2-Chloroethyl)Ether	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	117-81-7	bis(2-Ethylhexyl)Phthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	85-68-7	Butylbenzylphthalate	390.0000 J	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	86-74-8	Carbazole	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	218-01-9	Chrysene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	132-64-9	Dibenzofuran	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	53-70-3	Dibenz(a,h)Anthracene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	84-66-2	Diethylphthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	131-11-3	Dimethyl Phthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	84-74-2	Di-n-Butylphthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	117-84-0	Di-n-Octyl Phthalate	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	206-44-0	Fluoranthene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	86-73-7	Fluorene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	118-74-1	Hexachlorobenzene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	87-68-3	Hexachlorobutadiene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	77-47-4	Hexachlorocyclopentadiene	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	67-72-1	Hexachloroethane	390.0000 U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	193-39-5	Indeno(1,2,3-cd)Pyrene	390.0000 UJ	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	78-59-1	Isophorone	390.0000 U	390.0000	UG/KG	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
SC	SOIL	SVOA	SC-002-12	91-20-3	Naphthalene	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	98-95-3	Nitrobenzene	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	621-64-7	N-Nitroso-Di-n-Propylamine	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	86-30-6	N-Nitrosodiphenylamine	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	87-86-5	Pentachlorophenol	940.0000	U	940.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	85-01-8	Phenanthrene	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	108-95-2	Phenol	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-002-12	129-00-0	Pyrene	390.0000	U	390.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	95-50-1	1,2-Dichlorobenzene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	120-82-1	1,2,4-Trichlorobenzene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	541-73-1	1,3-Dichlorobenzene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	106-46-7	1,4-Dichlorobenzene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	91-58-7	2-Chloronaphthalene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	95-57-8	2-Chlorophenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	91-57-6	2-Methylnaphthalene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	95-48-7	2-Methylphenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	88-74-4	2-Nitroaniline	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	88-75-5	2-Nitrophenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	120-83-2	2,4-Dichlorophenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	105-67-9	2,4-Dimethylphenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	51-28-5	2,4-Dinitrophenol	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	121-14-2	2,4-Dinitrotoluene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	95-95-4	2,4,5-Trichlorophenol	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	88-06-2	2,4,6-Trichlorophenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	606-20-2	2,6-Dinitrotoluene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	99-09-2	3-Nitroaniline	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	91-94-1	3,3'-Dichlorobenzidine	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	101-55-3	4-Bromophenyl-phenylether	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	59-50-7	4-Chloro-3-Methylphenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	106-47-8	4-Chloroaniline	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	7005-72-3	4-Chlorophenyl-phenylether	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	106-44-5	4-Methylphenol	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	100-01-6	4-Nitroaniline	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	100-02-7	4-Nitrophenol	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	534-52-1	4,6-Dinitro-2-Methylphenol	930.0000	U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	83-32-9	Acenaphthene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	208-96-8	Acenaphthylene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	120-12-7	Anthracene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	56-55-3	Benzo(a)Anthracene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	50-32-8	Benzo(a)Pyrene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	205-99-2	Benzo(b)Fluoranthene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	191-24-2	Benzo(g,h,i)Perylene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	207-08-9	Benzo(k)Fluoranthene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	111-91-1	bis(2-Chloroethoxy)Methane	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	111-44-4	bis(2-Chloroethyl)Ether	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	117-81-7	bis(2-Ethylhexyl)Phthalate	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	85-68-7	Butylbenzylphthalate	48.0000	J	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	86-74-8	Carbazole	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	218-01-9	Chrysene	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	132-64-9	Dibenzofuran	380.0000	U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	53-70-3	Dibenz(a,h)Anthracene	380.0000	U	380.0000	UG/KG	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
SC	SOIL	SVOA	SC-004-02	84-66-2	Diethylphthalate	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	131-11-3	Dimethyl Phthalate	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	84-74-2	Di-n-Butylphthalate	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	117-84-0	Di-n-Octyl Phthalate	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	206-44-0	Fluoranthene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	86-73-7	Fluorene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	118-74-1	Hexachlorobenzene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	87-68-3	Hexachlorobutadiene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	77-47-4	Hexachlorocyclopentadiene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	67-72-1	Hexachloroethane	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	193-39-5	Indeno(1,2,3-cd)Pyrene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	78-59-1	Isophorone	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	91-20-3	Naphthalene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	98-95-3	Nitrobenzene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	621-64-7	N-Nitroso-Di-n-Propylamine	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	86-30-6	N-Nitrosodiphenylamine	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	87-86-5	Pentachlorophenol	930.0000 U	930.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	85-01-8	Phenanthrene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	108-95-2	Phenol	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-004-02	129-00-0	Pyrene	380.0000 U	380.0000	UG/KG	06/11/93
SC	SOIL	SVOA	SC-007-02	95-50-1	1,2-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	120-82-1	1,2,4-Trichlorobenzene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	541-73-1	1,3-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	106-46-7	1,4-Dichlorobenzene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	91-58-7	2-Chloronaphthalene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	95-57-8	2-Chlorophenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	91-57-6	2-Methylnaphthalene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	95-48-7	2-Methylphenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	88-74-4	2-Nitroaniline	940.0000 UJ	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	88-75-5	2-Nitrophenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	120-83-2	2,4-Dichlorophenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	105-67-9	2,4-Dimethylphenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	51-28-5	2,4-Dinitrophenol	940.0000 UJ	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	121-14-2	2,4-Dinitrotoluene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	95-95-4	2,4,5-Trichlorophenol	940.0000 U	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	88-06-2	2,4,6-Trichlorophenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	606-20-2	2,6-Dinitrotoluene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	99-09-2	3-Nitroaniline	940.0000 U	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	91-94-1	3,3'-Dichlorobenzidine	390.0000 UJ	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	101-55-3	4-Bromophenyl-phenylether	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	59-50-7	4-Chloro-3-Methylphenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	106-47-8	4-Chloroaniline	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	7005-72-3	4-Chlorophenyl-phenylether	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	106-44-5	4-Methylphenol	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	100-01-6	4-Nitroaniline	940.0000 U	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	100-02-7	4-Nitrophenol	940.0000 U	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	534-52-1	4,6-Dinitro-2-Methylphenol	940.0000 UJ	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	83-32-9	Acenaphthene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	208-96-8	Acenaphthylene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	120-12-7	Anthracene	390.0000 U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	56-55-3	Benzo(a)Anthracene	390.0000 U	390.0000	UG/KG	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
SC	SOIL	SVOA	SC-007-02	50-32-8	Benzo(a)Pyrene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	205-99-2	Benzo(b)Fluoranthene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	191-24-2	Benzo(g,h,i)Perylene	390.0000	UJ	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	207-08-9	Benzo(k)Fluoranthene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	111-91-1	bis(2-Chloroethoxy)Methane	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	111-44-4	bis(2-Chloroethyl)Ether	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	117-81-7	bis(2-Ethylhexyl)Phthalate	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	85-68-7	Butylbenzylphthalate	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	86-74-8	Carbazole	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	218-01-9	Chrysene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	132-64-9	Dibenzofuran	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	53-70-3	Dibenz(a,h)Anthracene	390.0000	UJ	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	84-66-2	Diethylphthalate	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	131-11-3	Dimethyl Phthalate	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	84-74-2	Di-n-Butylphthalate	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	117-84-0	Di-n-Octyl Phthalate	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	206-44-0	Fluoranthene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	86-73-7	Fluorene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	118-74-1	Hexachlorobenzene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	87-68-3	Hexachlorobutadiene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	77-47-4	Hexachlorocyclopentadiene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	67-72-1	Hexachloroethane	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	193-39-5	Indeno(1,2,3-cd)Pyrene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	78-59-1	Isophorone	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	91-20-3	Naphthalene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	98-95-3	Nitrobenzene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	621-64-7	N-Nitroso-Di-n-Propylamine	390.0000	UJ	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	86-30-6	N-Nitrosodiphenylamine	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	87-86-5	Pentachlorophenol	940.0000	U	940.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	85-01-8	Phenanthrene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	108-95-2	Phenol	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-02	129-00-0	Pyrene	390.0000	U	390.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	95-50-1	1,2-Dichlorobenzene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	120-82-1	1,2,4-Trichlorobenzene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	541-73-1	1,3-Dichlorobenzene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	106-46-7	1,4-Dichlorobenzene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	91-58-7	2-Chloronaphthalene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	95-57-8	2-Chlorophenol	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	91-57-6	2-Methylnaphthalene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	95-48-7	2-Methylphenol	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	88-74-4	2-Nitroaniline	970.0000	U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	88-75-5	2-Nitrophenol	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	108-60-1	2,2'-Oxybis(1-Chloropropane)	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	120-83-2	2,4-Dichlorophenol	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	105-67-9	2,4-Dimethylphenol	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	51-28-5	2,4-Dinitrophenol	970.0000	U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	121-14-2	2,4-Dinitrotoluene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	95-95-4	2,4,5-Trichlorophenol	970.0000	U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	88-06-2	2,4,6-Trichlorophenol	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	606-20-2	2,6-Dinitrotoluene	400.0000	U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	99-09-2	3-Nitroaniline	970.0000	U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	91-94-1	3,3'-Dichlorobenzidine	400.0000	U	400.0000	UG/KG	06/15/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
SC	SOIL	SVOA	SC-007-12	101-55-3	4-Bromophenyl-phenylether	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	59-50-7	4-Chloro-3-Methylphenol	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	106-47-8	4-Chloroaniline	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	7005-72-3	4-Chlorophenyl-phenylether	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	106-44-5	4-Methylphenol	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	100-01-6	4-Nitroaniline	970.0000 U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	100-02-7	4-Nitrophenol	970.0000 U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	534-52-1	4,6-Dinitro-2-Methylphenol	970.0000 U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	83-32-9	Acenaphthene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	208-96-8	Acenaphthylene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	120-12-7	Anthracene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	56-55-3	Benzo(a)Anthracene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	50-32-8	Benzo(a)Pyrene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	205-99-2	Benzo(b)Fluoranthene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	191-24-2	Benzo(g,h,i)Perylene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	207-08-9	Benzo(k)Fluoranthene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	111-91-1	bis(2-Chloroethoxy)Methane	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	111-44-4	bis(2-Chloroethyl)Ether	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	117-81-7	bis(2-Ethylhexyl)Phthalate	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	85-68-7	Butylbenzylphthalate	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	86-74-8	Carbazole	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	218-01-9	Chrysene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	132-64-9	Dibenzofuran	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	53-70-3	Dibenz(a,h)Anthracene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	84-66-2	Diethylphthalate	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	131-11-3	Dimethyl Phthalate	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	84-74-2	Di-n-Butylphthalate	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	117-84-0	Di-n-Octyl Phthalate	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	206-44-0	Fluoranthene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	86-73-7	Fluorene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	118-74-1	Hexachlorobenzene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	87-68-3	Hexachlorobutadiene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	77-47-4	Hexachlorocyclopentadiene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	67-72-1	Hexachloroethane	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	193-39-5	Indeno(1,2,3-cd)Pyrene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	78-59-1	Isophorone	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	91-20-3	Naphthalene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	98-95-3	Nitrobenzene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	621-64-7	N-Nitroso-Di-n-Propylamine	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	86-30-6	N-Nitrosodiphenylamine	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	87-86-5	Pentachlorophenol	970.0000 U	970.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	85-01-8	Phenanthrene	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	108-95-2	Phenol	400.0000 U	400.0000	UG/KG	06/15/93
SC	SOIL	SVOA	SC-007-12	129-00-0	Pyrene	400.0000 U	400.0000	UG/KG	06/15/93
FCAP	SOIL	SVOA	SO-001-01	95-50-1	1,2-Dichlorobenzene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	120-82-1	1,2,4-Trichlorobenzene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	541-73-1	1,3-Dichlorobenzene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	106-46-7	1,4-Dichlorobenzene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	91-58-7	2-Chloronaphthalene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	95-57-8	2-Chlorophenol	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	91-57-6	2-Methylnaphthalene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	95-48-7	2-Methylphenol	780.0000 U	780.0000	UG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-001-01	88-74-4	2-Nitroaniline	1,900.0000	UJ	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	88-75-5	2-Nitrophenol	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	120-83-2	2,4-Dichlorophenol	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	105-67-9	2,4-Dimethylphenol	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	51-28-5	2,4-Dinitrophenol	1,900.0000	UJ	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	121-14-2	2,4-Dinitrotoluene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	95-95-4	2,4,5-Trichlorophenol	1,900.0000	U	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	88-06-2	2,4,6-Trichlorophenol	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	606-20-2	2,6-Dinitrotoluene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	99-09-2	3-Nitroaniline	1,900.0000	U	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	91-94-1	3,3'-Dichlorobenzidine	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	101-55-3	4-Bromophenyl-phenylether	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	59-50-7	4-Chloro-3-Methylphenol	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	106-47-8	4-Chloroaniline	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	7005-72-3	4-Chlorophenyl-phenylether	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	106-44-5	4-Methylphenol	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	100-01-6	4-Nitroaniline	1,900.0000	U	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	100-02-7	4-Nitrophenol	1,900.0000	U	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,900.0000	U	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	83-32-9	Acenaphthene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	208-96-8	Acenaphthylene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	120-12-7	Anthracene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	56-55-3	Benzo(a)Anthracene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	50-32-8	Benzo(a)Pyrene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	205-99-2	Benzo(b)Fluoranthene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	191-24-2	Benzo(g,h,i)Perylene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	207-08-9	Benzo(k)Fluoranthene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	111-91-1	bis(2-Chloroethoxy)Methane	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	111-44-4	bis(2-Chloroethyl)Ether	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	117-81-7	bis(2-Ethylhexyl)Phthalate	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	85-68-7	Butylbenzylphthalate	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	86-74-8	Carbazole	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	218-01-9	Chrysene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	132-64-9	Dibenzofuran	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	53-70-3	Dibenz(a,h)Anthracene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	84-66-2	Diethylphthalate	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	131-11-3	Dimethyl Phthalate	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	84-74-2	Di-n-Butylphthalate	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	117-84-0	Di-n-Octyl Phthalate	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	206-44-0	Fluoranthene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	86-73-7	Fluorene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	118-74-1	Hexachlorobenzene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	87-68-3	Hexachlorobutadiene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	77-47-4	Hexachlorocyclopentadiene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	67-72-1	Hexachloroethane	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	193-39-5	Indeno(1,2,3-cd)Pyrene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	78-59-1	Isophorone	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	91-20-3	Naphthalene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	98-95-3	Nitrobenzene	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	621-64-7	N-Nitroso-Di-n-Propylamine	780.0000	U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	86-30-6	N-Nitrosodiphenylamine	780.0000	U	780.0000	UG/KG	06/01/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
FCAP	SOIL	SVOA	SO-001-01	87-86-5	Pentachlorophenol	1,900.0000 U	1,900.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	85-01-8	Phenanthrene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	108-95-2	Phenol	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-01	129-00-0	Pyrene	780.0000 U	780.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	95-50-1	1,2-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	120-82-1	1,2,4-Trichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	541-73-1	1,3-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	106-46-7	1,4-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	91-58-7	2-Chloronaphthalene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	95-57-8	2-Chlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	91-57-6	2-Methylnaphthalene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	95-48-7	2-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	88-74-4	2-Nitroaniline	2,100.0000 UJ	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	88-75-5	2-Nitrophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	120-83-2	2,4-Dichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	105-67-9	2,4-Dimethylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	51-28-5	2,4-Dinitrophenol	2,100.0000 UJ	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	121-14-2	2,4-Dinitrotoluene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	88-06-2	2,4,6-Trichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	606-20-2	2,6-Dinitrotoluene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	91-94-1	3,3'-Dichlorobenzidine	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	101-55-3	4-Bromophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	59-50-7	4-Chloro-3-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	106-47-8	4-Chloroaniline	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	7005-72-3	4-Chlorophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	106-44-5	4-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	100-02-7	4-Nitrophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	83-32-9	Acenaphthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	208-96-8	Acenaphthylene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	120-12-7	Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	56-55-3	Benzo(a)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	50-32-8	Benzo(a)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	205-99-2	Benzo(b)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	191-24-2	Benzo(g,h,i)Perylene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	207-08-9	Benzo(k)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	111-91-1	bis(2-Chloroethoxy)Methane	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	111-44-4	bis(2-Chloroethyl)Ether	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	117-81-7	bis(2-Ethylhexyl)Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	85-68-7	Butylbenzylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	86-74-8	Carbazole	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	218-01-9	Chrysene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	132-64-9	Dibenzofuran	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	53-70-3	Dibenz(a,h)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	84-66-2	Diethylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	131-11-3	Dimethyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	84-74-2	Di-n-Butylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	117-84-0	Di-n-Octyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-001-11	206-44-0	Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	86-73-7	Fluorene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	118-74-1	Hexachlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	87-68-3	Hexachlorobutadiene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	77-47-4	Hexachlorocyclopentadiene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	67-72-1	Hexachloroethane	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	193-39-5	Indeno(1,2,3-cd)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	78-59-1	Isophorone	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	91-20-3	Naphthalene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	98-95-3	Nitrobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	621-64-7	N-Nitroso-Di-n-Propylamine	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	86-30-6	N-Nitrosodiphenylamine	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	87-86-5	Pentachlorophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	85-01-8	Phenanthrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	108-95-2	Phenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-001-11	129-00-0	Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-002-01	95-50-1	1,2-Dichlorobenzene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	120-82-1	1,2,4-Trichlorobenzene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	541-73-1	1,3-Dichlorobenzene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	106-46-7	1,4-Dichlorobenzene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	91-58-7	2-Chloronaphthalene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	95-57-8	2-Chlorophenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	91-57-6	2-Methylnaphthalene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	95-48-7	2-Methylphenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	88-74-4	2-Nitroaniline	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	88-75-5	2-Nitrophenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	120-83-2	2,4-Dichlorophenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	105-67-9	2,4-Dimethylphenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	51-28-5	2,4-Dinitrophenol	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	121-14-2	2,4-Dinitrotoluene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	95-95-4	2,4,5-Trichlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	88-06-2	2,4,6-Trichlorophenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	606-20-2	2,6-Dinitrotoluene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	99-09-2	3-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	91-94-1	3,3'-Dichlorobenzidine	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	101-55-3	4-Bromophenyl-phenylether	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	59-50-7	4-Chloro-3-Methylphenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	106-47-8	4-Chloroaniline	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	7005-72-3	4-Chlorophenyl-phenylether	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	106-44-5	4-Methylphenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	100-01-6	4-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	100-02-7	4-Nitrophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	83-32-9	Acenaphthene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	208-96-8	Acenaphthylene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	120-12-7	Anthracene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	56-55-3	Benzo(a)Anthracene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	50-32-8	Benzo(a)Pyrene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	205-99-2	Benzo(b)Fluoranthene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	191-24-2	Benzo(g,h,i)Perylene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	207-08-9	Benzo(k)Fluoranthene	590.0000 U	590.0000	UG/KG	06/02/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	DateColl
FCAP	SOIL	SVOA	SO-002-01	111-91-1	bis(2-Chloroethoxy)Methane	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	111-44-4	bis(2-Chloroethyl)Ether	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	117-81-7	bis(2-Ethylhexyl)Phthalate	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	85-68-7	Butylbenzylphthalate	83.0000 J	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	86-74-8	Carbazole	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	218-01-9	Chrysene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	132-64-9	Dibenzofuran	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	53-70-3	Dibenz(a,h)Anthracene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	84-66-2	Diethylphthalate	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	131-11-3	Dimethyl Phthalate	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	84-74-2	Di-n-Butylphthalate	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	117-84-0	Di-n-Octyl Phthalate	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	206-44-0	Fluoranthene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	86-73-7	Fluorene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	118-74-1	Hexachlorobenzene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	87-68-3	Hexachlorobutadiene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	77-47-4	Hexachlorocyclopentadiene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	67-72-1	Hexachloroethane	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	193-39-5	Indeno(1,2,3-cd)Pyrene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	78-59-1	Isophorone	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	91-20-3	Naphthalene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	98-95-3	Nitrobenzene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	621-64-7	N-Nitroso-Di-n-Propylamine	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	86-30-6	N-Nitrosodiphenylamine	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	87-86-5	Pentachlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	85-01-8	Phenanthrene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	108-95-2	Phenol	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-002-01	129-00-0	Pyrene	590.0000 U	590.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	95-50-1	1,2-Dichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	120-82-1	1,2,4-Trichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	541-73-1	1,3-Dichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	106-46-7	1,4-Dichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	91-58-7	2-Chloronaphthalene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	95-57-8	2-Chlorophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	91-57-6	2-Methylnaphthalene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	95-48-7	2-Methylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	88-74-4	2-Nitroaniline	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	88-75-5	2-Nitrophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	120-83-2	2,4-Dichlorophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	105-67-9	2,4-Dimethylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	51-28-5	2,4-Dinitrophenol	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	121-14-2	2,4-Dinitrotoluene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	95-95-4	2,4,5-Trichlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	88-06-2	2,4,6-Trichlorophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	606-20-2	2,6-Dinitrotoluene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	99-09-2	3-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	91-94-1	3,3'-Dichlorobenzidine	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	101-55-3	4-Bromophenyl-phenylether	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	59-50-7	4-Chloro-3-Methylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	106-47-8	4-Chloroaniline	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	7005-72-3	4-Chlorophenyl-phenylether	570.0000 U	570.0000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-003-01	106-44-5	4-Methylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	100-01-6	4-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	100-02-7	4-Nitrophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	83-32-9	Acenaphthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	208-96-8	Acenaphthylene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	120-12-7	Anthracene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	56-55-3	Benzo(a)Anthracene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	50-32-8	Benzo(a)Pyrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	205-99-2	Benzo(b)Fluoranthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	191-24-2	Benzo(g,h,i)Perylene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	207-08-9	Benzo(k)Fluoranthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	111-91-1	bis(2-Chloroethoxy)Methane	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	111-44-4	bis(2-Chloroethyl)Ether	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	117-81-7	bis(2-Ethylhexyl)Phthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	85-68-7	Butylbenzylphthalate	71.0000 J	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	86-74-8	Carbazole	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	218-01-9	Chrysene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	132-64-9	Dibenzofuran	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	53-70-3	Dibenz(a,h)Anthracene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	84-66-2	Diethylphthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	131-11-3	Dimethyl Phthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	84-74-2	Di-n-Butylphthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	117-84-0	Di-n-Octyl Phthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	206-44-0	Fluoranthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	86-73-7	Fluorene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	118-74-1	Hexachlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	87-68-3	Hexachlorobutadiene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	77-47-4	Hexachlorocyclopentadiene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	67-72-1	Hexachloroethane	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	193-39-5	Indeno(1,2,3-cd)Pyrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	78-59-1	Isophorone	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	91-20-3	Naphthalene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	98-95-3	Nitrobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	621-64-7	N-Nitroso-Di-n-Propylamine	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	86-30-6	N-Nitrosodiphenylamine	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	87-86-5	Pentachlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	85-01-8	Phenanthrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	108-95-2	Phenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-003-01	129-00-0	Pyrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-004-01	95-50-1	1,2-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	120-82-1	1,2,4-Trichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	541-73-1	1,3-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	106-46-7	1,4-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	91-58-7	2-Chloronaphthalene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	95-57-8	2-Chlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	91-57-6	2-Methylnaphthalene	93.0000 J	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	95-48-7	2-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	88-74-4	2-Nitroaniline	2,100.0000 UJ	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	88-75-5	2-Nitrophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	120-83-2	2,4-Dichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-004-01	105-67-9	2,4-Dimethylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	51-28-5	2,4-Dinitrophenol	2,100.0000 UJ	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	121-14-2	2,4-Dinitrotoluene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	88-06-2	2,4,6-Trichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	606-20-2	2,6-Dinitrotoluene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	91-94-1	3,3'-Dichlorobenzidine	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	101-55-3	4-Bromophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	59-50-7	4-Chloro-3-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	106-47-8	4-Chloroaniline	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	7005-72-3	4-Chlorophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	106-44-5	4-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	100-02-7	4-Nitrophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	83-32-9	Acenaphthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	208-96-8	Acenaphthylene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	120-12-7	Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	56-55-3	Benzo(a)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	50-32-8	Benzo(a)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	205-99-2	Benzo(b)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	191-24-2	Benzo(g,h,i)Perylene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	207-08-9	Benzo(k)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	111-91-1	bis(2-Chloroethoxy)Methane	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	111-44-4	bis(2-Chloroethyl)Ether	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	117-81-7	bis(2-Ethylhexyl)Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	85-68-7	Butylbenzylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	86-74-8	Carbazole	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	218-01-9	Chrysene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	132-64-9	Dibenzofuran	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	53-70-3	Dibenz(a,h)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	84-66-2	Diethylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	131-11-3	Dimethyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	84-74-2	Di-n-Butylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	117-84-0	Di-n-Octyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	206-44-0	Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	86-73-7	Fluorene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	118-74-1	Hexachlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	87-68-3	Hexachlorobutadiene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	77-47-4	Hexachlorocyclopentadiene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	67-72-1	Hexachloroethane	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	193-39-5	Indeno(1,2,3-cd)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	78-59-1	Isophorone	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	91-20-3	Naphthalene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	98-95-3	Nitrobenzene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	621-64-7	N-Nitroso-Di-n-Propylamine	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	86-30-6	N-Nitrosodiphenylamine	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	87-86-5	Pentachlorophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	85-01-8	Phenanthrene	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	108-95-2	Phenol	860.0000 U	860.0000	UG/KG	06/01/93
FCAP	SOIL	SVOA	SO-004-01	129-00-0	Pyrene	860.0000 U	860.0000	UG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-005-01	95-50-1	1,2-Dichlorobenzene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	120-82-1	1,2,4-Trichlorobenzene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	541-73-1	1,3-Dichlorobenzene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	106-46-7	1,4-Dichlorobenzene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	91-58-7	2-Chloronaphthalene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	95-57-8	2-Chlorophenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	91-57-6	2-Methylnaphthalene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	95-48-7	2-Methylphenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	88-74-4	2-Nitroaniline	1,900.0000	UJ	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	88-75-5	2-Nitrophenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	120-83-2	2,4-Dichlorophenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	105-67-9	2,4-Dimethylphenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	51-28-5	2,4-Dinitrophenol	1,900.0000	UJ	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	121-14-2	2,4-Dinitrotoluene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	95-95-4	2,4,5-Trichlorophenol	1,900.0000	U	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	88-06-2	2,4,6-Trichlorophenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	606-20-2	2,6-Dinitrotoluene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	99-09-2	3-Nitroaniline	1,900.0000	U	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	91-94-1	3,3'-Dichlorobenzidine	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	101-55-3	4-Bromophenyl-phenylether	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	59-50-7	4-Chloro-3-Methylphenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	106-47-8	4-Chloroaniline	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	7005-72-3	4-Chlorophenyl-phenylether	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	106-44-5	4-Methylphenol	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	100-01-6	4-Nitroaniline	1,900.0000	U	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	100-02-7	4-Nitrophenol	1,900.0000	U	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,900.0000	U	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	83-32-9	Acenaphthene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	208-96-8	Acenaphthylene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	120-12-7	Anthracene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	56-55-3	Benzo(a)Anthracene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	50-32-8	Benzo(a)Pyrene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	205-99-2	Benzo(b)Fluoranthene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	191-24-2	Benzo(g,h,i)Perylene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	207-08-9	Benzo(k)Fluoranthene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	111-91-1	bis(2-Chloroethoxy)Methane	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	111-44-4	bis(2-Chloroethyl)Ether	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	117-81-7	bis(2-Ethylhexyl)Phthalate	270.0000	J	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	85-68-7	Butylbenzylphthalate	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	86-74-8	Carbazole	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	218-01-9	Chrysene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	132-64-9	Dibenzofuran	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	53-70-3	Dibenz(a,h)Anthracene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	84-66-2	Diethylphthalate	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	131-11-3	Dimethyl Phthalate	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	84-74-2	Di-n-Butylphthalate	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	117-84-0	Di-n-Octyl Phthalate	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	206-44-0	Fluoranthene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	86-73-7	Fluorene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	118-74-1	Hexachlorobenzene	790.0000	U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	87-68-3	Hexachlorobutadiene	790.0000	U	790.0000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-005-01	77-47-4	Hexachlorocyclopentadiene	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	67-72-1	Hexachloroethane	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	193-39-5	Indeno(1,2,3-cd)Pyrene	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	78-59-1	Isophorone	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	91-20-3	Naphthalene	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	98-95-3	Nitrobenzene	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	621-64-7	N-Nitroso-Di-n-Propylamine	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	86-30-6	N-Nitrosodiphenylamine	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	87-86-5	Pentachlorophenol	1,900.0000 U	1,900.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	85-01-8	Phenanthrene	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	108-95-2	Phenol	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-005-01	129-00-0	Pyrene	790.0000 U	790.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	95-50-1	1,2-Dichlorobenzene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	120-82-1	1,2,4-Trichlorobenzene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	541-73-1	1,3-Dichlorobenzene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	106-46-7	1,4-Dichlorobenzene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	91-58-7	2-Chloronaphthalene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	95-57-8	2-Chlorophenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	91-57-6	2-Methylnaphthalene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	95-48-7	2-Methylphenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	88-74-4	2-Nitroaniline	1,700.0000 UJ	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	88-75-5	2-Nitrophenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	120-83-2	2,4-Dichlorophenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	105-67-9	2,4-Dimethylphenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	51-28-5	2,4-Dinitrophenol	1,700.0000 UJ	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	121-14-2	2,4-Dinitrotoluene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	95-95-4	2,4,5-Trichlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	88-06-2	2,4,6-Trichlorophenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	606-20-2	2,6-Dinitrotoluene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	99-09-2	3-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	91-94-1	3,3'-Dichlorobenzidine	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	101-55-3	4-Bromophenyl-phenylether	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	59-50-7	4-Chloro-3-Methylphenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	106-47-8	4-Chloroaniline	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	7005-72-3	4-Chlorophenyl-phenylether	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	106-44-5	4-Methylphenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	100-01-6	4-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	100-02-7	4-Nitrophenol	1,700.0000 U	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,700.0000 U	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	83-32-9	Acenaphthene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	208-96-8	Acenaphthylene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	120-12-7	Anthracene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	56-55-3	Benzo(a)Anthracene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	50-32-8	Benzo(a)Pyrene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	205-99-2	Benzo(b)Fluoranthene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	191-24-2	Benzo(g,h,i)Perylene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	207-08-9	Benzo(k)Fluoranthene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	111-91-1	bis(2-Chloroethoxy)Methane	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	111-44-4	bis(2-Chloroethyl)Ether	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	117-81-7	bis(2-Ethylhexyl)Phthalate	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	85-68-7	Butylbenzylphthalate	710.0000 U	710.0000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>DateColl</u>
FCAP	SOIL	SVOA	SO-006-01	86-74-8	Carbazole	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	218-01-9	Chrysene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	132-64-9	Dibenzofuran	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	53-70-3	Dibenz(a,h)Anthracene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	84-66-2	Diethylphthalate	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	131-11-3	Dimethyl Phthalate	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	84-74-2	Di-n-Butylphthalate	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	117-84-0	Di-n-Octyl Phthalate	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	206-44-0	Fluoranthene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	86-73-7	Fluorene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	118-74-1	Hexachlorobenzene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	87-68-3	Hexachlorobutadiene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	77-47-4	Hexachlorocyclopentadiene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	67-72-1	Hexachloroethane	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	193-39-5	Indeno(1,2,3-cd)Pyrene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	78-59-1	Isophorone	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	91-20-3	Naphthalene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	98-95-3	Nitrobenzene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	621-64-7	N-Nitroso-Di-n-Propylamine	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	86-30-6	N-Nitrosodiphenylamine	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	87-86-5	Pentachlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	85-01-8	Phenanthrene	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	108-95-2	Phenol	710.0000 U	710.0000	UG/KG	06/02/93
FCAP	SOIL	SVOA	SO-006-01	129-00-0	Pyrene	710.0000 U	710.0000	UG/KG	06/02/93
BKGD	SOIL	SVOA	SO-010-01	95-50-1	1,2-Dichlorobenzene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	120-82-1	1,2,4-Trichlorobenzene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	541-73-1	1,3-Dichlorobenzene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	106-46-7	1,4-Dichlorobenzene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	91-58-7	2-Chloronaphthalene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	95-57-8	2-Chlorophenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	91-57-6	2-Methylnaphthalene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	95-48-7	2-Methylphenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	88-74-4	2-Nitroaniline	980.0000 U	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	88-75-5	2-Nitrophenol	410.0000 UJ	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	120-83-2	2,4-Dichlorophenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	105-67-9	2,4-Dimethylphenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	51-28-5	2,4-Dinitrophenol	980.0000 UJ	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	121-14-2	2,4-Dinitrotoluene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	95-95-4	2,4,5-Trichlorophenol	980.0000 U	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	88-06-2	2,4,6-Trichlorophenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	606-20-2	2,6-Dinitrotoluene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	99-09-2	3-Nitroaniline	980.0000 U	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	91-94-1	3,3'-Dichlorobenzidine	410.0000 UJ	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	101-55-3	4-Bromophenyl-phenylether	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	59-50-7	4-Chloro-3-Methylphenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	106-47-8	4-Chloroaniline	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	7005-72-3	4-Chlorophenyl-phenylether	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	106-44-5	4-Methylphenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	100-01-6	4-Nitroaniline	980.0000 U	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	100-02-7	4-Nitrophenol	980.0000 UJ	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	534-52-1	4,6-Dinitro-2-Methylphenol	980.0000 U	980.0000	UG/KG	05/28/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SOIL	SVOA	SO-010-01	83-32-9	Acenaphthene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	208-96-8	Acenaphthylene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	120-12-7	Anthracene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	56-55-3	Benzo(a)Anthracene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	50-32-8	Benzo(a)Pyrene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	205-99-2	Benzo(b)Fluoranthene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	191-24-2	Benzo(g,h,i)Perylene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	207-08-9	Benzo(k)Fluoranthene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	111-91-1	bis(2-Chloroethoxy)Methane	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	111-44-4	bis(2-Chloroethyl)Ether	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	117-81-7	bis(2-Ethylhexyl)Phthalate	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	85-68-7	Butylbenzylphthalate	50.0000 J	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	86-74-8	Carbazole	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	218-01-9	Chrysene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	132-64-9	Dibenzofuran	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	53-70-3	Dibenz(a,h)Anthracene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	84-66-2	Diethylphthalate	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	131-11-3	Dimethyl Phthalate	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	84-74-2	Di-n-Butylphthalate	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	117-84-0	Di-n-Octyl Phthalate	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	206-44-0	Fluoranthene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	86-73-7	Fluorene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	118-74-1	Hexachlorobenzene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	87-68-3	Hexachlorobutadiene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	77-47-4	Hexachlorocyclopentadiene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	67-72-1	Hexachloroethane	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	193-39-5	Indeno(1,2,3-cd)Pyrene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	78-59-1	Isophorone	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	91-20-3	Naphthalene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	98-95-3	Nitrobenzene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	621-64-7	N-Nitroso-Di-n-Propylamine	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	86-30-6	N-Nitrosodiphenylamine	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	87-86-5	Pentachlorophenol	980.0000 U	980.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	85-01-8	Phenanthrene	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	108-95-2	Phenol	410.0000 U	410.0000	UG/KG	05/28/93
BKGD	SOIL	SVOA	SO-010-01	129-00-0	Pyrene	410.0000 U	410.0000	UG/KG	05/28/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SOIL	METALS	SO-010-01	7429-90-5	Aluminum	5,630.0000		10.1000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-36-0	Antimony	11.3000	UJ	11.3000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-38-2	Arsenic	2.7000	J	0.7400	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-39-3	Barium	69.7000		1.2000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-41-7	Beryllium	0.4900	U	0.4900	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-43-9	Cadmium	1.2000	UJ	1.2000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-70-2	Calcium	1,860.0000		38.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-47-3	Chromium	3.7000		2.5000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-48-4	Cobalt	2.8000		2.2000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-50-8	Copper	6.2000	U	6.2000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7439-89-6	Iron	3,650.0000		1.5000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7439-92-1	Lead	9.8000	J	0.4900	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7439-95-4	Magnesium	398.0000		117.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7439-96-5	Manganese	696.0000		1.5000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7439-97-6	Mercury	0.2900		0.1200	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-02-0	Nickel	7.6000	U	7.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-09-7	Potassium	550.0000	U	550.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7782-49-2	Selenium	0.7400	U	0.7400	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-22-4	Silver	2.5000	UJ	2.5000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-23-5	Sodium	161.0000		31.8000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-28-0	Thallium	0.9800	U	0.9800	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-62-2	Vanadium	9.4000		1.7000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-01	7440-66-6	Zinc	24.8000		0.7400	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7429-90-5	Aluminum	7,250.0000		10.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-36-0	Antimony	11.9000	UJ	11.9000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-38-2	Arsenic	3.1000	J	0.7800	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-39-3	Barium	64.9000		1.3000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-41-7	Beryllium	0.5200	U	0.5200	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-43-9	Cadmium	1.3000	UJ	1.3000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-70-2	Calcium	1,310.0000		40.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-47-3	Chromium	5.0000		2.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-48-4	Cobalt	3.5000		2.3000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-50-8	Copper	6.5000	U	6.5000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7439-89-6	Iron	4,350.0000		1.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7439-92-1	Lead	15.8000	J	0.5200	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7439-95-4	Magnesium	457.0000		123.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7439-96-5	Manganese	826.0000		1.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7439-97-6	Mercury	0.1300	U	0.1300	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-02-0	Nickel	8.0000	U	8.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-09-7	Potassium	578.0000	U	578.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7782-49-2	Selenium	0.7800	U	0.7800	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-22-4	Silver	2.6000	UJ	2.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-23-5	Sodium	186.0000		33.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-28-0	Thallium	1.0000	U	1.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-010-11	7440-62-2	Vanadium	11.4000		1.8000	MG/KG	05/28/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SOIL	METALS	SO-010-11	7440-66-6	Zinc	34.8000		0.7800	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7429-90-5	Aluminum	10,400.0000		11.1000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-36-0	Antimony	12.5000	UJ	12.5000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-38-2	Arsenic	4.4000	J	0.8200	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-39-3	Barium	95.4000		1.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-41-7	Beryllium	0.8000		0.5400	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-43-9	Cadmium	1.4000	UJ	1.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-70-2	Calcium	2,070.0000		42.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-47-3	Chromium	5.6000		2.7000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-48-4	Cobalt	7.8000		2.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-50-8	Copper	6.8000	U	6.8000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7439-89-6	Iron	5,730.0000		1.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7439-92-1	Lead	17.1000	J	0.5400	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7439-95-4	Magnesium	624.0000		129.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7439-96-5	Manganese	1,500.0000		1.6000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7439-97-6	Mercury	0.3300		0.1400	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-02-0	Nickel	8.5000		8.4000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-09-7	Potassium	793.0000		607.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7782-49-2	Selenium	1.2000	J	0.8200	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-22-4	Silver	2.7000	UJ	2.7000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-23-5	Sodium	205.0000		35.0000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-28-0	Thallium	1.1000	U	1.1000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-62-2	Vanadium	13.8000		1.9000	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-011-01	7440-66-6	Zinc	56.0000		0.8200	MG/KG	05/28/93
BKGD	SOIL	METALS	SO-012-01	7429-90-5	Aluminum	4,740.0000		8.8000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-36-0	Antimony	9.1000	UJ	9.1000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-38-2	Arsenic	7.1000		0.7600	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-39-3	Barium	57.0000		0.5000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-41-7	Beryllium	0.3300		0.2500	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-43-9	Cadmium	1.3000	U	1.3000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-70-2	Calcium	1,550.0000		6.1000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-47-3	Chromium	4.7000		2.0000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-48-4	Cobalt	3.5000		2.0000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-50-8	Copper	6.8000		1.0000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7439-89-6	Iron	5,210.0000		10.4000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7439-92-1	Lead	16.0000		0.5000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7439-95-4	Magnesium	370.0000		14.9000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7439-96-5	Manganese	781.0000		0.2500	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7439-97-6	Mercury	0.2100		0.1300	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-02-0	Nickel	6.2000		4.3000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-09-7	Potassium	341.0000	U	341.0000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7782-49-2	Selenium	0.7600	UJ	0.7600	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-22-4	Silver	1.8000	U	1.8000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-23-5	Sodium	87.6000	U	63.4000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-28-0	Thallium	1.0000	U	1.0000	MG/KG	06/01/93

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Chestnut Ridge OU-2 FCAP Phase 2 RI

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<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
BKGD	SOIL	METALS	SO-012-01	7440-62-2	Vanadium	10.9000		1.5000	MG/KG	06/01/93
BKGD	SOIL	METALS	SO-012-01	7440-66-6	Zinc	43.1000		1.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	AT-001-01	7429-90-5	Aluminum	9,250.0000		11.8000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-36-0	Antimony	13.3000	UJ	13.3000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-38-2	Arsenic	32.9000	J	0.8700	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-39-3	Barium	126.0000		1.4000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-41-7	Beryllium	0.8700		0.5800	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-43-9	Cadmium	1.4000	UJ	1.4000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-70-2	Calcium	2,230.0000		45.1000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-47-3	Chromium	9.6000		2.9000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-48-4	Cobalt	11.6000		2.6000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-50-8	Copper	18.1000		7.2000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7439-89-6	Iron	16,700.0000		1.7000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7439-92-1	Lead	10.8000	J	0.5800	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7439-95-4	Magnesium	860.0000		138.0000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7439-96-5	Manganese	216.0000		1.7000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7439-97-6	Mercury	0.1400	U	0.1400	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-02-0	Nickel	9.2000		9.0000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-09-7	Potassium	929.0000		646.0000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7782-49-2	Selenium	2.7000	J	0.8700	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-22-4	Silver	2.9000	UJ	2.9000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-23-5	Sodium	300.0000		37.3000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-28-0	Thallium	1.2000	U	1.2000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-62-2	Vanadium	27.9000		2.0000	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-001-01	7440-66-6	Zinc	47.4000		0.8700	MG/KG	05/28/93
FCAP	SOIL	METALS	AT-002-01	7429-90-5	Aluminum	14,000.0000		9.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-36-0	Antimony	9.7000	UJ	9.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-38-2	Arsenic	15.1000		0.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-39-3	Barium	52.0000		0.5400	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-41-7	Beryllium	0.5400		0.2700	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-43-9	Cadmium	1.3000	U	1.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-70-2	Calcium	1,270.0000		6.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-47-3	Chromium	16.8000		2.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-48-4	Cobalt	21.9000		2.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-50-8	Copper	12.6000		1.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7439-89-6	Iron	18,000.0000		11.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7439-92-1	Lead	17.1000		0.5400	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7439-95-4	Magnesium	937.0000		15.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7439-96-5	Manganese	400.0000		0.2700	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7439-97-6	Mercury	0.1300	U	0.1300	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-02-0	Nickel	10.8000		4.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-09-7	Potassium	1,240.0000		362.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7782-49-2	Selenium	0.8800	J	0.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-22-4	Silver	1.9000	U	1.9000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-23-5	Sodium	159.0000	U	67.3000	MG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SOIL	METALS	AT-002-01	7440-28-0	Thallium	1.1000 U	1.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-62-2	Vanadium	36.4000	1.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-002-01	7440-66-6	Zinc	44.2000	1.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	AT-003-01	7429-90-5	Aluminum	13,200.0000	8.6000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-36-0	Antimony	8.8000 UJ	8.8000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-38-2	Arsenic	43.5000	0.7400	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-39-3	Barium	46.3000	0.4900	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-41-7	Beryllium	1.5000	0.2400	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-43-9	Cadmium	1.2000 U	1.2000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-70-2	Calcium	657.0000	5.9000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-47-3	Chromium	13.3000	2.0000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-48-4	Cobalt	52.2000	2.0000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-50-8	Copper	16.4000	0.9800	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7439-89-6	Iron	17,000.0000	10.1000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7439-92-1	Lead	25.0000	0.4900	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7439-95-4	Magnesium	816.0000	14.5000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7439-96-5	Manganese	1,020.0000	0.2400	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7439-97-6	Mercury	0.1200 U	0.1200	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-02-0	Nickel	27.5000	4.2000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-09-7	Potassium	1,130.0000	332.0000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7782-49-2	Selenium	2.6000 J	0.7400	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-22-4	Silver	1.7000 U	1.7000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-23-5	Sodium	131.0000 U	61.6000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-28-0	Thallium	0.9800 U	0.9800	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-62-2	Vanadium	28.8000	1.5000	MG/KG	06/03/93
FCAP	SOIL	METALS	AT-003-01	7440-66-6	Zinc	119.0000	0.9800	MG/KG	06/03/93
FCAP	SOIL	METALS	SO-001-01	7429-90-5	Aluminum	28,800.0000	18.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-36-0	Antimony	19.1000 UJ	19.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-38-2	Arsenic	140.0000	1.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-39-3	Barium	630.0000	1.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-41-7	Beryllium	5.9000	0.5300	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-43-9	Cadmium	2.6000 U	2.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-70-2	Calcium	6,940.0000	12.7000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-47-3	Chromium	35.3000	4.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-48-4	Cobalt	26.1000	4.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-50-8	Copper	90.2000	2.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7439-89-6	Iron	37,500.0000	21.8000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7439-92-1	Lead	20.9000	1.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7439-95-4	Magnesium	2,120.0000	31.3000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7439-96-5	Manganese	161.0000	0.5300	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7439-97-6	Mercury	0.9400	0.2600	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-02-0	Nickel	50.3000	9.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-09-7	Potassium	5,680.0000	717.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7782-49-2	Selenium	6.5000 J	1.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-22-4	Silver	3.7000 U	3.7000	MG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SOIL	METALS	SO-001-01	7440-23-5	Sodium	744.0000		133.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-28-0	Thallium	2.1000		2.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-62-2	Vanadium	112.0000		3.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-01	7440-66-6	Zinc	64.9000		2.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7429-90-5	Aluminum	24,500.0000		22.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-36-0	Antimony	22.6000	UJ	22.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-38-2	Arsenic	153.0000		1.9000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-39-3	Barium	556.0000		1.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-41-7	Beryllium	5.3000		0.6300	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-43-9	Cadmium	3.1000	U	3.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-70-2	Calcium	6,810.0000		15.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-47-3	Chromium	29.8000		5.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-48-4	Cobalt	22.2000		5.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-50-8	Copper	83.7000		2.5000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7439-89-6	Iron	27,100.0000		25.8000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7439-92-1	Lead	22.4000		1.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7439-95-4	Magnesium	1,830.0000		37.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7439-96-5	Manganese	186.0000		0.6300	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7439-97-6	Mercury	0.9800		0.3100	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-02-0	Nickel	49.3000		10.7000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-09-7	Potassium	4,900.0000		850.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7782-49-2	Selenium	6.8000	J	1.9000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-22-4	Silver	4.4000	U	4.4000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-23-5	Sodium	796.0000		158.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-28-0	Thallium	2.5000	UJ	2.5000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-62-2	Vanadium	103.0000		3.8000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-001-11	7440-66-6	Zinc	66.2000		2.5000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-002-01	7429-90-5	Aluminum	16,900.0000		12.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-36-0	Antimony	13.0000	UJ	13.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-38-2	Arsenic	153.0000		1.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-39-3	Barium	406.0000		0.7200	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-41-7	Beryllium	4.4000		0.3600	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-43-9	Cadmium	1.8000	U	1.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-70-2	Calcium	5,450.0000		8.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-47-3	Chromium	18.2000		2.9000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-48-4	Cobalt	14.8000		2.9000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-50-8	Copper	58.0000		1.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7439-89-6	Iron	15,100.0000		14.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7439-92-1	Lead	16.6000		0.7200	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7439-95-4	Magnesium	1,320.0000		21.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7439-96-5	Manganese	47.5000		0.3600	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7439-97-6	Mercury	1.0000		0.1800	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-02-0	Nickel	27.6000		6.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-09-7	Potassium	3,270.0000		488.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7782-49-2	Selenium	4.6000	J	1.1000	MG/KG	06/02/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
FCAP	SOIL	METALS	SO-002-01	7440-22-4	Silver	2.5000 U	2.5000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-23-5	Sodium	555.0000	90.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-28-0	Thallium	2.5000	1.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-62-2	Vanadium	70.6000	2.2000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-002-01	7440-66-6	Zinc	46.5000	1.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7429-90-5	Aluminum	22,600.0000	12.2000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-36-0	Antimony	12.6000 UJ	12.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-38-2	Arsenic	158.0000	29.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-39-3	Barium	523.0000	0.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-41-7	Beryllium	5.8000	0.3500	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-43-9	Cadmium	1.7000 U	1.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-70-2	Calcium	6,510.0000	8.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-47-3	Chromium	24.2000	2.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-48-4	Cobalt	22.1000	2.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-50-8	Copper	79.4000	1.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7439-89-6	Iron	19,400.0000	14.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7439-92-1	Lead	22.4000	0.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7439-95-4	Magnesium	1,740.0000	20.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7439-96-5	Manganese	57.4000	0.3500	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7439-97-6	Mercury	1.3000	0.1700	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-02-0	Nickel	39.2000	5.9000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-09-7	Potassium	4,660.0000	473.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7782-49-2	Selenium	13.1000 J	1.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-22-4	Silver	2.4000 U	2.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-23-5	Sodium	578.0000	87.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-28-0	Thallium	3.2000	1.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-62-2	Vanadium	87.4000	2.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-003-01	7440-66-6	Zinc	60.9000	1.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-004-01	7429-90-5	Aluminum	23,000.0000	18.3000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-36-0	Antimony	18.8000 UJ	18.8000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-38-2	Arsenic	193.0000	1.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-39-3	Barium	522.0000	1.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-41-7	Beryllium	5.6000	0.5200	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-43-9	Cadmium	2.6000 U	2.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-70-2	Calcium	6,680.0000	12.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-47-3	Chromium	26.2000	4.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-48-4	Cobalt	23.5000	4.2000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-50-8	Copper	92.7000	2.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7439-89-6	Iron	30,100.0000	21.5000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7439-92-1	Lead	25.8000	1.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7439-95-4	Magnesium	1,950.0000	30.9000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7439-96-5	Manganese	140.0000	0.5200	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7439-97-6	Mercury	0.7600	0.2600	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-02-0	Nickel	41.3000	8.9000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-09-7	Potassium	4,320.0000	708.0000	MG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	SOIL	METALS	SO-004-01	7782-49-2	Selenium	12.3000	J	1.6000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-22-4	Silver	3.7000	U	3.7000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-23-5	Sodium	843.0000		131.0000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-28-0	Thallium	2.4000		2.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-62-2	Vanadium	102.0000		3.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-004-01	7440-66-6	Zinc	69.9000		2.1000	MG/KG	06/01/93
FCAP	SOIL	METALS	SO-005-01	7429-90-5	Aluminum	32,900.0000		20.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-36-0	Antimony	20.6000	UJ	20.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-38-2	Arsenic	161.0000		1.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-39-3	Barium	497.0000		1.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-41-7	Beryllium	7.5000		0.5700	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-43-9	Cadmium	2.8000	U	2.8000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-70-2	Calcium	6,750.0000		13.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-47-3	Chromium	42.1000		4.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-48-4	Cobalt	29.8000		4.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-50-8	Copper	101.0000		2.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7439-89-6	Iron	41,500.0000		23.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7439-92-1	Lead	27.3000		1.1000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7439-95-4	Magnesium	2,400.0000		33.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7439-96-5	Manganese	91.0000		0.5700	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7439-97-6	Mercury	0.8400		0.2800	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-02-0	Nickel	56.0000		9.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-09-7	Potassium	6,210.0000		772.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7782-49-2	Selenium	30.8000	J	1.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-22-4	Silver	4.0000	U	4.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-23-5	Sodium	1,080.0000		143.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-28-0	Thallium	2.3000	U	2.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-62-2	Vanadium	123.0000		3.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-005-01	7440-66-6	Zinc	83.1000		2.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7429-90-5	Aluminum	15,000.0000		15.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-36-0	Antimony	15.5000	UJ	15.5000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-38-2	Arsenic	151.0000	J	1.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-39-3	Barium	286.0000		0.8600	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-41-7	Beryllium	3.7000		0.4300	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-43-9	Cadmium	2.2000	U	2.2000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-70-2	Calcium	3,230.0000		10.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-47-3	Chromium	17.6000		3.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-48-4	Cobalt	14.1000		3.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-50-8	Copper	52.6000		1.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7439-89-6	Iron	23,200.0000		17.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7439-92-1	Lead	21.4000		0.8600	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7439-95-4	Magnesium	1,080.0000		25.4000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7439-96-5	Manganese	34.1000		0.4300	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7439-97-6	Mercury	0.5800		0.2200	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-02-0	Nickel	28.5000		7.3000	MG/KG	06/02/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
FCAP	SOIL	METALS	SO-006-01	7440-09-7	Potassium	3,070.0000	582.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7782-49-2	Selenium	6.3000 J	1.3000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-22-4	Silver	3.0000 U	3.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-23-5	Sodium	546.0000	108.0000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-28-0	Thallium	1.7000 J	1.7000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-62-2	Vanadium	62.9000	2.6000	MG/KG	06/02/93
FCAP	SOIL	METALS	SO-006-01	7440-66-6	Zinc	42.6000	1.7000	MG/KG	06/02/93
SC	SOIL	METALS	SC-002-02	7429-90-5	Aluminum	7,460.0000	9.8000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-36-0	Antimony	11.0000 UJ	11.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-38-2	Arsenic	14.8000 J	0.7200	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-39-3	Barium	112.0000	1.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-41-7	Beryllium	0.4800 U	0.4800	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-43-9	Cadmium	1.2000 UJ	1.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-70-2	Calcium	628.0000	37.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-47-3	Chromium	6.9000	2.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-48-4	Cobalt	9.7000	2.1000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-50-8	Copper	6.0000 U	6.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7439-89-6	Iron	8,950.0000 J	1.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7439-92-1	Lead	24.7000 J	0.4800	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7439-95-4	Magnesium	213.0000	114.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7439-96-5	Manganese	1,920.0000 J	1.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7439-97-6	Mercury	0.1200 U	0.1200	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-02-0	Nickel	8.0000	7.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-09-7	Potassium	533.0000 U	533.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7782-49-2	Selenium	0.7200 R	0.7200	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-22-4	Silver	2.4000 U	2.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-23-5	Sodium	33.6000	30.8000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-28-0	Thallium	0.9500 U	0.9500	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-62-2	Vanadium	17.1000	1.7000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-02	7440-66-6	Zinc	13.8000	0.7200	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7429-90-5	Aluminum	11,400.0000	9.7000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-36-0	Antimony	10.9000 UJ	10.9000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-38-2	Arsenic	51.2000	9.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-39-3	Barium	125.0000	1.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-41-7	Beryllium	0.4700 U	0.4700	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-43-9	Cadmium	1.2000 UJ	1.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-70-2	Calcium	612.0000	36.9000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-47-3	Chromium	12.9000	2.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-48-4	Cobalt	9.8000	2.1000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-50-8	Copper	5.9000 U	5.9000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7439-89-6	Iron	13,000.0000 J	1.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7439-92-1	Lead	24.8000 J	0.4700	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7439-95-4	Magnesium	379.0000	113.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7439-96-5	Manganese	1,880.0000 J	1.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7439-97-6	Mercury	0.1200 U	0.1200	MG/KG	06/11/93

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<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	SOIL	METALS	SC-002-12	7440-02-0	Nickel	7.7000		7.3000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-09-7	Potassium	529.0000	U	529.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7782-49-2	Selenium	1.1000	J	0.7100	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-22-4	Silver	2.4000	U	2.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-23-5	Sodium	37.2000		30.5000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-28-0	Thallium	0.9500	U	0.9500	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-62-2	Vanadium	22.1000		1.6000	MG/KG	06/11/93
SC	SOIL	METALS	SC-002-12	7440-66-6	Zinc	18.7000		0.7100	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7429-90-5	Aluminum	5,670.0000		9.6000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-36-0	Antimony	10.8000	UJ	10.8000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-38-2	Arsenic	9.4000	J	0.7000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-39-3	Barium	80.8000		1.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-41-7	Beryllium	0.4700	U	0.4700	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-43-9	Cadmium	1.2000	UJ	1.2000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-70-2	Calcium	517.0000		36.7000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-47-3	Chromium	15.1000		2.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-48-4	Cobalt	7.4000		2.1000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-50-8	Copper	6.1000		5.9000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7439-89-6	Iron	14,000.0000	J	1.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7439-92-1	Lead	17.5000	J	0.4700	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7439-95-4	Magnesium	125.0000		112.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7439-96-5	Manganese	1,430.0000	J	1.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7439-97-6	Mercury	0.1400		0.1200	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-02-0	Nickel	7.3000	U	7.3000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-09-7	Potassium	526.0000	U	526.0000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7782-49-2	Selenium	0.7000	R	0.7000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-22-4	Silver	2.4000	U	2.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-23-5	Sodium	30.4000	U	30.4000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-28-0	Thallium	0.9400	U	0.9400	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-62-2	Vanadium	28.5000		1.6000	MG/KG	06/11/93
SC	SOIL	METALS	SC-004-02	7440-66-6	Zinc	19.6000		0.7000	MG/KG	06/11/93
SC	SOIL	METALS	SC-007-02	7429-90-5	Aluminum	6,060.0000		9.7000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-36-0	Antimony	10.9000	UJ	10.9000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-38-2	Arsenic	50.0000		9.2000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-39-3	Barium	61.9000		1.2000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-41-7	Beryllium	0.4700	U	0.4700	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-43-9	Cadmium	1.2000	UJ	1.2000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-70-2	Calcium	762.0000		37.0000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-47-3	Chromium	16.6000		2.4000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-48-4	Cobalt	12.4000		2.1000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-50-8	Copper	6.1000		5.9000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7439-89-6	Iron	16,400.0000	J	1.4000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7439-92-1	Lead	15.3000	J	0.4700	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7439-95-4	Magnesium	222.0000		113.0000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7439-96-5	Manganese	674.0000	J	1.4000	MG/KG	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	SOIL	METALS	SC-007-02	7439-97-6	Mercury	0.1200 U	0.1200	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-02-0	Nickel	8.1000	7.4000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-09-7	Potassium	530.0000 U	530.0000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7782-49-2	Selenium	0.9700 J	0.7100	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-22-4	Silver	2.4000 U	2.4000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-23-5	Sodium	34.9000	30.6000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-28-0	Thallium	0.9500 U	0.9500	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-62-2	Vanadium	32.4000	1.7000	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-02	7440-66-6	Zinc	19.4000	0.7100	MG/KG	06/15/93
SC	SOIL	METALS	SC-007-12	7429-90-5	Aluminum	5,930.0000	10.1000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-36-0	Antimony	11.3000 UJ	11.3000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-38-2	Arsenic	17.5000 J	0.7400	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-39-3	Barium	71.1000	1.2000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-41-7	Beryllium	0.4900 U	0.4900	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-43-9	Cadmium	1.2000 UJ	1.2000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-70-2	Calcium	894.0000	38.3000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-47-3	Chromium	11.5000	2.4000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-48-4	Cobalt	13.2000	2.2000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-50-8	Copper	6.4000	6.1000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7439-89-6	Iron	11,400.0000 J	1.5000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7439-92-1	Lead	25.4000 J	0.4900	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7439-95-4	Magnesium	232.0000	117.0000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7439-96-5	Manganese	722.0000 J	1.5000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7439-97-6	Mercury	0.1200 U	0.1200	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-02-0	Nickel	7.6000 U	7.6000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-09-7	Potassium	549.0000 U	549.0000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7782-49-2	Selenium	0.7400 R	0.7400	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-22-4	Silver	2.4000 U	2.4000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-23-5	Sodium	31.7000 U	31.7000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-28-0	Thallium	0.9800 U	0.9800	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-62-2	Vanadium	22.7000	1.7000	MG/KG	06/16/93
SC	SOIL	METALS	SC-007-12	7440-66-6	Zinc	21.0000	0.7400	MG/KG	06/16/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concen/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>
BKGD	SOIL	RAD	SO-010-01	14274-82-9	Thorium-228	0.5100	0.1330	pCi/g	0.3500
BKGD	SOIL	RAD	SO-010-01	14269-63-7	Thorium-230	0.6000 U	0.0470	pCi/g	0.2400
BKGD	SOIL	RAD	SO-010-01	7440-29-1	Thorium-232	0.1900	0.0520	pCi/g	0.1200
BKGD	SOIL	RAD	SO-010-01	13966-29-5	Uranium-234	3.5000	0.1820	pCi/g	0.5700
BKGD	SOIL	RAD	SO-010-01	15117-96-1	Uranium-235	0.1400	0.0550	pCi/g	0.1200
BKGD	SOIL	RAD	SO-010-01	7440-61-1	Uranium-238	1.5000	0.1100	pCi/g	0.3800
BKGD	SOIL	RAD	SO-010-11	14274-82-9	Thorium-228	0.5000	0.0920	pCi/g	0.2900
BKGD	SOIL	RAD	SO-010-11	14269-63-7	Thorium-230	8.6000	0.1770	pCi/g	0.9600
BKGD	SOIL	RAD	SO-010-11	7440-29-1	Thorium-232	0.4700	0.0000	pCi/g	0.2000
BKGD	SOIL	RAD	SO-010-11	13966-29-5	Uranium-234	2.6000	0.2190	pCi/g	0.5300
BKGD	SOIL	RAD	SO-010-11	15117-96-1	Uranium-235	0.0630	0.0860	pCi/g	0.0920
BKGD	SOIL	RAD	SO-010-11	7440-61-1	Uranium-238	1.6000	0.1050	pCi/g	0.4100
BKGD	SOIL	RAD	SO-011-01	14274-82-9	Thorium-228	0.3200	0.1110	pCi/g	0.3000
BKGD	SOIL	RAD	SO-011-01	14269-63-7	Thorium-230	1.2000 U	0.1110	pCi/g	0.4300
BKGD	SOIL	RAD	SO-011-01	7440-29-1	Thorium-232	0.5200	0.0000	pCi/g	0.2700
BKGD	SOIL	RAD	SO-011-01	13966-29-5	Uranium-234	3.0000	0.3070	pCi/g	0.6400
BKGD	SOIL	RAD	SO-011-01	15117-96-1	Uranium-235	0.3400	0.0790	pCi/g	0.2200
BKGD	SOIL	RAD	SO-011-01	7440-61-1	Uranium-238	2.3000	0.1120	pCi/g	0.5500
BKGD	SOIL	RAD	SO-012-01	14274-82-9	Thorium-228	0.2200	0.1340	pCi/g	0.3200
BKGD	SOIL	RAD	SO-012-01	14269-63-7	Thorium-230	1.0000 U	0.1220	pCi/g	0.4000
BKGD	SOIL	RAD	SO-012-01	7440-29-1	Thorium-232	0.3200	0.0270	pCi/g	0.2600
BKGD	SOIL	RAD	SO-012-01	13966-29-5	Uranium-234	3.1000	0.2110	pCi/g	0.5800
BKGD	SOIL	RAD	SO-012-01	15117-96-1	Uranium-235	0.1900	0.0640	pCi/g	0.1400
BKGD	SOIL	RAD	SO-012-01	7440-61-1	Uranium-238	2.2000	0.1270	pCi/g	0.4900
FCAP	SOIL	RAD	AT-001-01	14274-82-9	Thorium-228	0.6700	0.0810	pCi/g	0.3000
FCAP	SOIL	RAD	AT-001-01	14269-63-7	Thorium-230	1.8000 U	0.0570	pCi/g	0.4400
FCAP	SOIL	RAD	AT-001-01	7440-29-1	Thorium-232	0.9000	0.0340	pCi/g	0.2900
FCAP	SOIL	RAD	AT-001-01	13966-29-5	Uranium-234	1.5000	0.0680	pCi/g	0.3500
FCAP	SOIL	RAD	AT-001-01	15117-96-1	Uranium-235	0.0630 U	0.0000	pCi/g	0.0710
FCAP	SOIL	RAD	AT-001-01	7440-61-1	Uranium-238	1.2000	0.0000	pCi/g	1.0000
FCAP	SOIL	RAD	AT-002-01	14274-82-9	Thorium-228	0.7800	0.1760	pCi/g	0.3200
FCAP	SOIL	RAD	AT-002-01	14269-63-7	Thorium-230	2.2000 U	0.1020	pCi/g	0.5100
FCAP	SOIL	RAD	AT-002-01	7440-29-1	Thorium-232	0.7500	0.0390	pCi/g	0.3000
FCAP	SOIL	RAD	AT-002-01	13966-29-5	Uranium-234	1.0000	0.2080	pCi/g	0.3300
FCAP	SOIL	RAD	AT-002-01	15117-96-1	Uranium-235	0.1300	0.1150	pCi/g	0.1200
FCAP	SOIL	RAD	AT-002-01	7440-61-1	Uranium-238	1.6000	0.1000	pCi/g	0.4000
FCAP	SOIL	RAD	AT-003-01	14274-82-9	Thorium-228	0.7700	0.0810	pCi/g	0.2300
FCAP	SOIL	RAD	AT-003-01	14269-63-7	Thorium-230	1.1000 U	0.0570	pCi/g	0.2800
FCAP	SOIL	RAD	AT-003-01	7440-29-1	Thorium-232	0.7100	0.0250	pCi/g	0.2200
FCAP	SOIL	RAD	AT-003-01	13966-29-5	Uranium-234	1.2000	0.0790	pCi/g	0.4000
FCAP	SOIL	RAD	AT-003-01	15117-96-1	Uranium-235	0.0900 U	0.1120	pCi/g	0.1200
FCAP	SOIL	RAD	AT-003-01	7440-61-1	Uranium-238	1.2000	0.0000	pCi/g	0.4100
FCAP	SOIL	RAD	SO-001-01	14274-82-9	Thorium-228	2.0000	0.1350	pCi/g	0.4900
FCAP	SOIL	RAD	SO-001-01	14269-63-7	Thorium-230	4.2000	0.0680	pCi/g	0.6000

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concen/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>
FCAP	SOIL	RAD	SO-001-01	7440-29-1	Thorium-232	2.3000	0.0000	pCi/g	0.4500
FCAP	SOIL	RAD	SO-001-01	13966-29-5	Uranium-234	4.7000	0.1020	pCi/g	0.6800
FCAP	SOIL	RAD	SO-001-01	15117-96-1	Uranium-235	0.3400	0.1180	pCi/g	0.1900
FCAP	SOIL	RAD	SO-001-01	7440-61-1	Uranium-238	4.5000	0.0840	pCi/g	0.6700
FCAP	SOIL	RAD	SO-001-11	14274-82-9	Thorium-228	2.4000	0.1840	pCi/g	0.5900
FCAP	SOIL	RAD	SO-001-11	14269-63-7	Thorium-230	4.5000	0.1390	pCi/g	0.6800
FCAP	SOIL	RAD	SO-001-11	7440-29-1	Thorium-232	1.9000	0.0640	pCi/g	0.4000
FCAP	SOIL	RAD	SO-001-11	13966-29-5	Uranium-234	4.8000	0.1720	pCi/g	0.6500
FCAP	SOIL	RAD	SO-001-11	15117-96-1	Uranium-235	0.2500	0.0900	pCi/g	0.1600
FCAP	SOIL	RAD	SO-001-11	7440-61-1	Uranium-238	5.1000	0.0730	pCi/g	0.6700
FCAP	SOIL	RAD	SO-002-01	14274-82-9	Thorium-228	1.4000	0.0720	pCi/g	0.3500
FCAP	SOIL	RAD	SO-002-01	14269-63-7	Thorium-230	2.9000	0.0720	pCi/g	0.5000
FCAP	SOIL	RAD	SO-002-01	7440-29-1	Thorium-232	1.6000	0.0000	pCi/g	0.3700
FCAP	SOIL	RAD	SO-002-01	13966-29-5	Uranium-234	3.2000	0.1080	pCi/g	0.5800
FCAP	SOIL	RAD	SO-002-01	15117-96-1	Uranium-235	0.1500	0.0620	pCi/g	0.1300
FCAP	SOIL	RAD	SO-002-01	7440-61-1	Uranium-238	3.2000	0.0880	pCi/g	0.5800
FCAP	SOIL	RAD	SO-003-01	14274-82-9	Thorium-228	1.4000	0.1060	pCi/g	0.3400
FCAP	SOIL	RAD	SO-003-01	14269-63-7	Thorium-230	2.7000	0.0480	pCi/g	0.4700
FCAP	SOIL	RAD	SO-003-01	7440-29-1	Thorium-232	1.8000	0.0550	pCi/g	0.3800
FCAP	SOIL	RAD	SO-003-01	13966-29-5	Uranium-234	3.2000	0.0580	pCi/g	0.5600
FCAP	SOIL	RAD	SO-003-01	15117-96-1	Uranium-235	0.0900	0.0820	pCi/g	0.1000
FCAP	SOIL	RAD	SO-003-01	7440-61-1	Uranium-238	2.9000	0.0000	pCi/g	0.5300
FCAP	SOIL	RAD	SO-004-01	14274-82-9	Thorium-228	2.2000	0.0650	pCi/g	0.4900
FCAP	SOIL	RAD	SO-004-01	14269-63-7	Thorium-230	3.6000	0.0920	pCi/g	0.6200
FCAP	SOIL	RAD	SO-004-01	7440-29-1	Thorium-232	1.4000	0.0550	pCi/g	0.3900
FCAP	SOIL	RAD	SO-004-01	13966-29-5	Uranium-234	2.6000	0.1190	pCi/g	0.4800
FCAP	SOIL	RAD	SO-004-01	15117-96-1	Uranium-235	0.2100	0.0000	pCi/g	0.1400
FCAP	SOIL	RAD	SO-004-01	7440-61-1	Uranium-238	2.5000	0.1190	pCi/g	0.4800
FCAP	SOIL	RAD	SO-005-01	14274-82-9	Thorium-228	1.2000	0.0460	pCi/g	0.3100
FCAP	SOIL	RAD	SO-005-01	14269-63-7	Thorium-230	2.6000	0.1230	pCi/g	0.4600
FCAP	SOIL	RAD	SO-005-01	7440-29-1	Thorium-232	1.2000	0.0780	pCi/g	0.3100
FCAP	SOIL	RAD	SO-005-01	13966-29-5	Uranium-234	2.5000	0.1040	pCi/g	0.4700
FCAP	SOIL	RAD	SO-005-01	15117-96-1	Uranium-235	0.0900	0.0520	pCi/g	0.0900
FCAP	SOIL	RAD	SO-005-01	7440-61-1	Uranium-238	2.3000	0.0520	pCi/g	0.4500
FCAP	SOIL	RAD	SO-006-01	14274-82-9	Thorium-228	1.5000	0.1520	pCi/g	0.3700
FCAP	SOIL	RAD	SO-006-01	14269-63-7	Thorium-230	3.1000	0.0760	pCi/g	0.5300
FCAP	SOIL	RAD	SO-006-01	7440-29-1	Thorium-232	1.6000	0.0000	pCi/g	0.3800
FCAP	SOIL	RAD	SO-006-01	13966-29-5	Uranium-234	2.2000	0.1770	pCi/g	0.4600
FCAP	SOIL	RAD	SO-006-01	15117-96-1	Uranium-235	0.1600	0.1060	pCi/g	0.1300
FCAP	SOIL	RAD	SO-006-01	7440-61-1	Uranium-238	2.6000	0.0750	pCi/g	0.4800
SC	SOIL	RAD	SC-002-02	14274-82-9	Thorium-228	0.7700	0.0550	pCi/g	0.2700
SC	SOIL	RAD	SC-002-02	14269-63-7	Thorium-230	1.3000 U	0.1460	pCi/g	0.3600
SC	SOIL	RAD	SC-002-02	7440-29-1	Thorium-232	0.9200	0.0260	pCi/g	0.2900
SC	SOIL	RAD	SC-002-02	13966-29-5	Uranium-234	1.0000	0.1210	pCi/g	0.3000

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concen/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>
SC	SOIL	RAD	SC-002-02	15117-96-1	Uranium-235	0.0360 U	0.0700	pCi/g	0.0620
SC	SOIL	RAD	SC-002-02	7440-61-1	Uranium-238	0.9200	0.0860	pCi/g	0.2800
SC	SOIL	RAD	SC-002-12	14274-82-9	Thorium-228	0.8400	0.1090	pCi/g	0.2800
SC	SOIL	RAD	SC-002-12	14269-63-7	Thorium-230	1.3000 U	0.1090	pCi/g	0.3500
SC	SOIL	RAD	SC-002-12	7440-29-1	Thorium-232	0.8600	0.0000	pCi/g	0.2800
SC	SOIL	RAD	SC-002-12	13966-29-5	Uranium-234	1.2000	0.3530	pCi/g	0.3700
SC	SOIL	RAD	SC-002-12	15117-96-1	Uranium-235	0.0900	0.0570	pCi/g	0.0990
SC	SOIL	RAD	SC-002-12	7440-61-1	Uranium-238	1.2000	0.0990	pCi/g	0.3400
SC	SOIL	RAD	SC-004-02	14274-82-9	Thorium-228	0.6400	0.0780	pCi/g	0.2900
SC	SOIL	RAD	SC-004-02	14269-63-7	Thorium-230	1.5000 U	0.2820	pCi/g	0.4600
SC	SOIL	RAD	SC-004-02	7440-29-1	Thorium-232	0.7800	0.0000	pCi/g	0.3200
SC	SOIL	RAD	SC-004-02	13966-29-5	Uranium-234	0.8400	0.1740	pCi/g	0.2800
SC	SOIL	RAD	SC-004-02	15117-96-1	Uranium-235	0.0270 U	0.0870	pCi/g	0.0630
SC	SOIL	RAD	SC-004-02	7440-61-1	Uranium-238	1.2000	0.0000	pCi/g	0.3200
SC	SOIL	RAD	SC-007-02	14274-82-9	Thorium-228	0.4200	0.1730	pCi/g	0.2200
SC	SOIL	RAD	SC-007-02	14269-63-7	Thorium-230	1.4000	0.0000	pCi/g	0.3700
SC	SOIL	RAD	SC-007-02	7440-29-1	Thorium-232	0.4600	0.0000	pCi/g	0.2100
SC	SOIL	RAD	SC-007-02	13966-29-5	Uranium-234	1.1000	0.1470	pCi/g	0.3400
SC	SOIL	RAD	SC-007-02	15117-96-1	Uranium-235	0.0180 U	0.0600	pCi/g	0.0530
SC	SOIL	RAD	SC-007-02	7440-61-1	Uranium-238	0.7200	0.0850	pCi/g	0.2700

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-001-01	95-50-1	1,2-Dichlorobenzene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	120-82-1	1,2,4-Trichlorobenzene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	541-73-1	1,3-Dichlorobenzene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	106-46-7	1,4-Dichlorobenzene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	91-58-7	2-Chloronaphthalene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	95-57-8	2-Chlorophenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	91-57-6	2-Methylnaphthalene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	95-48-7	2-Methylphenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	88-74-4	2-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	88-75-5	2-Nitrophenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	730.0000 UJ	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	120-83-2	2,4-Dichlorophenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	105-67-9	2,4-Dimethylphenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	51-28-5	2,4-Dinitrophenol	1,800.0000 UJ	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	121-14-2	2,4-Dinitrotoluene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	95-95-4	2,4,5-Trichlorophenol	1,800.0000 U	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	88-06-2	2,4,6-Trichlorophenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	606-20-2	2,6-Dinitrotoluene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	99-09-2	3-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	91-94-1	3,3'-Dichlorobenzidine	730.0000 UJ	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	101-55-3	4-Bromophenyl-phenylether	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	59-50-7	4-Chloro-3-Methylphenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	106-47-8	4-Chloroaniline	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	7005-72-3	4-Chlorophenyl-phenylether	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	106-44-5	4-Methylphenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	100-01-6	4-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	100-02-7	4-Nitrophenol	1,800.0000 UJ	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,800.0000 U	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	83-32-9	Acenaphthene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	208-96-8	Acenaphthylene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	120-12-7	Anthracene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	56-55-3	Benzo(a)Anthracene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	50-32-8	Benzo(a)Pyrene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	205-99-2	Benzo(b)Fluoranthene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	191-24-2	Benzo(g,h,i)Perylene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	207-08-9	Benzo(k)Fluoranthene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	111-91-1	bis(2-Chloroethoxy)Methane	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	111-44-4	bis(2-Chloroethyl)Ether	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	117-81-7	bis(2-Ethylhexyl)Phthalate	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	85-68-7	Butylbenzylphthalate	89.0000 J	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	86-74-8	Carbazole	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	218-01-9	Chrysene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	132-64-9	Dibenzofuran	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	53-70-3	Dibenz(a,h)Anthracene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	84-66-2	Diethylphthalate	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	131-11-3	Dimethyl Phthalate	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	84-74-2	Di-n-Butylphthalate	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	117-84-0	Di-n-Octyl Phthalate	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	206-44-0	Fluoranthene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	86-73-7	Fluorene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	118-74-1	Hexachlorobenzene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	87-68-3	Hexachlorobutadiene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	77-47-4	Hexachlorocyclopentadiene	730.0000 U	730.0000	UG/KG	05/26/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-001-01	67-72-1	Hexachloroethane	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	193-39-5	Indeno(1,2,3-cd)Pyrene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	78-59-1	Isophorone	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	91-20-3	Naphthalene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	98-95-3	Nitrobenzene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	621-64-7	N-Nitroso-Di-n-Propylamine	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	86-30-6	N-Nitrosodiphenylamine	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	87-86-5	Pentachlorophenol	1,800.0000 U	1,800.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	85-01-8	Phenanthrene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	108-95-2	Phenol	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	SVOA	AB-001-01	129-00-0	Pyrene	730.0000 U	730.0000	UG/KG	05/26/93
FCAP	ASH	VOA	AB-002-01	75-34-3	1,1-Dichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-35-4	1,1-Dichloroethene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	71-55-6	1,1,1-Trichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	79-00-5	1,1,2-Trichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	79-34-5	1,1,2,2-Tetrachloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	107-06-2	1,2-Dichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	540-59-0	1,2-Dichloroethene (total)	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	78-87-5	1,2-Dichloropropane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	78-93-3	2-Butanone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	591-78-6	2-Hexanone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	108-10-1	4-Methyl-2-Pentanone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	67-64-1	Acetone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	71-43-2	Benzene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-27-4	Bromodichloromethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-25-2	Bromoform	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	74-83-9	Bromomethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-15-0	Carbon Disulfide	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	56-23-5	Carbon Tetrachloride	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	108-90-7	Chlorobenzene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-00-3	Chloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	67-66-3	Chloroform	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	74-87-3	Chloromethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	10061-01-5	cis-1,3-Dichloropropene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	124-48-1	Dibromochloromethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	100-41-4	Ethylbenzene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-09-2	Methylene Chloride	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	100-42-5	Styrene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	127-18-4	Tetrachloroethene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	108-88-3	Toluene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	10061-02-6	trans-1,3-Dichloropropene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	79-01-6	Trichloroethene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	75-01-4	Vinyl Chloride	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01	1330-20-7	Xylene (total)	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	95-50-1	1,2-Dichlorobenzene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	120-82-1	1,2,4-Trichlorobenzene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	541-73-1	1,3-Dichlorobenzene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	106-46-7	1,4-Dichlorobenzene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	91-58-7	2-Chloronaphthalene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	95-57-8	2-Chlorophenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	91-57-6	2-Methylnaphthalene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	95-48-7	2-Methylphenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	88-74-4	2-Nitroaniline	1,400.0000 R	1,400.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-002-01	88-75-5	2-Nitrophenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	120-83-2	2,4-Dichlorophenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	105-67-9	2,4-Dimethylphenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	51-28-5	2,4-Dinitrophenol	1,400.0000 U	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	121-14-2	2,4-Dinitrotoluene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	95-95-4	2,4,5-Trichlorophenol	1,400.0000 U	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	88-06-2	2,4,6-Trichlorophenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	606-20-2	2,6-Dinitrotoluene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	99-09-2	3-Nitroaniline	1,400.0000 R	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	91-94-1	3,3'-Dichlorobenzidine	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	101-55-3	4-Bromophenyl-phenylether	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	59-50-7	4-Chloro-3-Methylphenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	106-47-8	4-Chloroaniline	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	7005-72-3	4-Chlorophenyl-phenylether	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	106-44-5	4-Methylphenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	100-01-6	4-Nitroaniline	1,400.0000 R	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	100-02-7	4-Nitrophenol	1,400.0000 UJ	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,400.0000 UJ	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	83-32-9	Acenaphthene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	208-96-8	Acenaphthylene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	120-12-7	Anthracene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	56-55-3	Benzo(a)Anthracene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	50-32-8	Benzo(a)Pyrene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	205-99-2	Benzo(b)Fluoranthene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	191-24-2	Benzo(g,h,i)Perylene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	207-08-9	Benzo(k)Fluoranthene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	111-91-1	bis(2-Chloroethoxy)Methane	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	111-44-4	bis(2-Chloroethyl)Ether	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	117-81-7	bis(2-Ethylhexyl)Phthalate	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	85-68-7	Butylbenzylphthalate	65.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	86-74-8	Carbazole	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	218-01-9	Chrysene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	132-64-9	Dibenzofuran	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	53-70-3	Dibenz(a,h)Anthracene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	84-66-2	Diethylphthalate	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	131-11-3	Dimethyl Phthalate	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	84-74-2	Di-n-Butylphthalate	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	117-84-0	Di-n-Octyl Phthalate	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	206-44-0	Fluoranthene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	86-73-7	Fluorene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	118-74-1	Hexachlorobenzene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	87-68-3	Hexachlorobutadiene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	77-47-4	Hexachlorocyclopentadiene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	67-72-1	Hexachloroethane	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	193-39-5	Indeno(1,2,3-cd)Pyrene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	78-59-1	Isophorone	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	91-20-3	Naphthalene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	98-95-3	Nitrobenzene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	621-64-7	N-Nitroso-Di-n-Propylamine	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	86-30-6	N-Nitrosodiphenylamine	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	87-86-5	Pentachlorophenol	1,400.0000 U	1,400.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	85-01-8	Phenanthrene	590.0000 R	590.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-002-01	108-95-2	Phenol	590.0000 U	590.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01	129-00-0	Pyrene	590.0000 R	590.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-34-3	1,1-Dichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-35-4	1,1-Dichloroethene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	71-55-6	1,1,1-Trichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	79-00-5	1,1,2-Trichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	79-34-5	1,1,2,2-Tetrachloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	107-06-2	1,2-Dichloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	540-59-0	1,2-Dichloroethene (total)	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	78-87-5	1,2-Dichloropropane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	78-93-3	2-Butanone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	591-78-6	2-Hexanone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	108-10-1	4-Methyl-2-Pentanone	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	67-64-1	Acetone	240.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	71-43-2	Benzene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-27-4	Bromodichloromethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-25-2	Bromoform	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	74-83-9	Bromomethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-15-0	Carbon Disulfide	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	56-23-5	Carbon Tetrachloride	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	108-90-7	Chlorobenzene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-00-3	Chloroethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	67-66-3	Chloroform	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	74-87-3	Chloromethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	10061-01-5	cis-1,3-Dichloropropene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	124-48-1	Dibromochloromethane	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	100-41-4	Ethylbenzene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-09-2	Methylene Chloride	170.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	100-42-5	Styrene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	127-18-4	Tetrachloroethene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	108-88-3	Toluene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	10061-02-6	trans-1,3-Dichloropropene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	79-01-6	Trichloroethene	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	75-01-4	Vinyl Chloride	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-002-01RE	1330-20-7	Xylene (total)	18.0000 UJ	18.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	95-50-1	1,2-Dichlorobenzene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	120-82-1	1,2,4-Trichlorobenzene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	541-73-1	1,3-Dichlorobenzene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	106-46-7	1,4-Dichlorobenzene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	91-58-7	2-Chloronaphthalene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	95-57-8	2-Chlorophenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	91-57-6	2-Methylnaphthalene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	95-48-7	2-Methylphenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	88-74-4	2-Nitroaniline	1,500.0000 R	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	88-75-5	2-Nitrophenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	108-60-1	2,2'-Oxybis(1-Chloropropane)	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	120-83-2	2,4-Dichlorophenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	105-67-9	2,4-Dimethylphenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	51-28-5	2,4-Dinitrophenol	1,500.0000 U	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	121-14-2	2,4-Dinitrotoluene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	95-95-4	2,4,5-Trichlorophenol	1,500.0000 U	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	88-06-2	2,4,6-Trichlorophenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	606-20-2	2,6-Dinitrotoluene	600.0000 R	600.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-002-01RE	99-09-2	3-Nitroaniline	1,500.0000 R	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	91-94-1	3,3'-Dichlorobenzidine	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	101-55-3	4-Bromophenyl-phenylether	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	59-50-7	4-Chloro-3-Methylphenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	106-47-8	4-Chloroaniline	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	7005-72-3	4-Chlorophenyl-phenylether	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	106-44-5	4-Methylphenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	100-01-6	4-Nitroaniline	1,500.0000 R	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	100-02-7	4-Nitrophenol	1,500.0000 UJ	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	534-52-1	4,6-Dinitro-2-Methylphenol	1,500.0000 U	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	83-32-9	Acenaphthene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	208-96-8	Acenaphthylene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	120-12-7	Anthracene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	56-55-3	Benzo(a)Anthracene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	50-32-8	Benzo(a)Pyrene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	205-99-2	Benzo(b)Fluoranthene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	191-24-2	Benzo(g,h,i)Perylene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	207-08-9	Benzo(k)Fluoranthene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	111-91-1	bis(2-Chloroethoxy)Methane	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	111-44-4	bis(2-Chloroethyl)Ether	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	117-81-7	bis(2-Ethylhexyl)Phthalate	180.0000 J	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	85-68-7	Butylbenzylphthalate	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	86-74-8	Carbazole	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	218-01-9	Chrysene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	132-64-9	Dibenzofuran	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	53-70-3	Dibenz(a,h)Anthracene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	84-66-2	Diethylphthalate	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	131-11-3	Dimethyl Phthalate	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	84-74-2	Di-n-Butylphthalate	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	117-84-0	Di-n-Octyl Phthalate	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	206-44-0	Fluoranthene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	86-73-7	Fluorene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	118-74-1	Hexachlorobenzene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	87-68-3	Hexachlorobutadiene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	77-47-4	Hexachlorocyclopentadiene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	67-72-1	Hexachloroethane	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	193-39-5	Indeno(1,2,3-cd)Pyrene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	78-59-1	Isophorone	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	91-20-3	Naphthalene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	98-95-3	Nitrobenzene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	621-64-7	N-Nitroso-Di-n-Propylamine	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	86-30-6	N-Nitrosodiphenylamine	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	87-86-5	Pentachlorophenol	1,500.0000 U	1,500.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	85-01-8	Phenanthrene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	108-95-2	Phenol	600.0000 U	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-002-01RE	129-00-0	Pyrene	600.0000 R	600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	95-50-1	1,2-Dichlorobenzene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	120-82-1	1,2,4-Trichlorobenzene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	541-73-1	1,3-Dichlorobenzene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	106-46-7	1,4-Dichlorobenzene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	91-58-7	2-Chloronaphthalene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	95-57-8	2-Chlorophenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	91-57-6	2-Methylnaphthalene	660.0000 U	660.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-003-01	95-48-7	2-Methylphenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	88-74-4	2-Nitroaniline	1,600.0000 U	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	88-75-5	2-Nitrophenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	660.0000 UJ	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	120-83-2	2,4-Dichlorophenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	105-67-9	2,4-Dimethylphenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	51-28-5	2,4-Dinitrophenol	1,600.0000 UJ	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	121-14-2	2,4-Dinitrotoluene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	95-95-4	2,4,5-Trichlorophenol	1,600.0000 U	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	88-06-2	2,4,6-Trichlorophenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	606-20-2	2,6-Dinitrotoluene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	99-09-2	3-Nitroaniline	1,600.0000 U	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	91-94-1	3,3'-Dichlorobenzidine	660.0000 UJ	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	101-55-3	4-Bromophenyl-phenylether	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	59-50-7	4-Chloro-3-Methylphenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	106-47-8	4-Chloroaniline	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	7005-72-3	4-Chlorophenyl-phenylether	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	106-44-5	4-Methylphenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	100-01-6	4-Nitroaniline	1,600.0000 U	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	100-02-7	4-Nitrophenol	1,600.0000 UJ	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,600.0000 U	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	83-32-9	Acenaphthene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	208-96-8	Acenaphthylene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	120-12-7	Anthracene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	56-55-3	Benzo(a)Anthracene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	50-32-8	Benzo(a)Pyrene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	205-99-2	Benzo(b)Fluoranthene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	191-24-2	Benzo(g,h,i)Perylene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	207-08-9	Benzo(k)Fluoranthene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	111-91-1	bis(2-Chloroethoxy)Methane	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	111-44-4	bis(2-Chloroethyl)Ether	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	117-81-7	bis(2-Ethylhexyl)Phthalate	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	85-68-7	Butylbenzylphthalate	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	86-74-8	Carbazole	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	218-01-9	Chrysene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	132-64-9	Dibenzofuran	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	53-70-3	Dibenz(a,h)Anthracene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	84-66-2	Diethylphthalate	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	131-11-3	Dimethyl Phthalate	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	84-74-2	Di-n-Butylphthalate	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	117-84-0	Di-n-Octyl Phthalate	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	206-44-0	Fluoranthene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	86-73-7	Fluorene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	118-74-1	Hexachlorobenzene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	87-68-3	Hexachlorobutadiene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	77-47-4	Hexachlorocyclopentadiene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	67-72-1	Hexachloroethane	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	193-39-5	Indeno(1,2,3-cd)Pyrene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	78-59-1	Isophorone	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	91-20-3	Naphthalene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	98-95-3	Nitrobenzene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	621-64-7	N-Nitroso-Di-n-Propylamine	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	86-30-6	N-Nitrosodiphenylamine	660.0000 U	660.0000	UG/KG	05/27/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-003-01	87-86-5	Pentachlorophenol	1,600.0000 U	1,600.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	85-01-8	Phenanthrene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	108-95-2	Phenol	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	SVOA	AB-003-01	129-00-0	Pyrene	660.0000 U	660.0000	UG/KG	05/27/93
FCAP	ASH	VOA	AB-004-01	75-34-3	1,1-Dichloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-35-4	1,1-Dichloroethene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	71-55-6	1,1,1-Trichloroethane	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	79-00-5	1,1,2-Trichloroethane	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	79-34-5	1,1,2,2-Tetrachloroethane	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	107-06-2	1,2-Dichloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	540-59-0	1,2-Dichloroethene (total)	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	78-87-5	1,2-Dichloropropane	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	78-93-3	2-Butanone	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	591-78-6	2-Hexanone	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	108-10-1	4-Methyl-2-Pentanone	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	67-64-1	Acetone	50.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	71-43-2	Benzene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-27-4	Bromodichloromethane	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-25-2	Bromoform	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	74-83-9	Bromomethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-15-0	Carbon Disulfide	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	56-23-5	Carbon Tetrachloride	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	108-90-7	Chlorobenzene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-00-3	Chloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	67-66-3	Chloroform	5.0000 J	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	74-87-3	Chloromethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	10061-01-5	cis-1,3-Dichloropropene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	124-48-1	Dibromochloromethane	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	100-41-4	Ethylbenzene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-09-2	Methylene Chloride	76.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	100-42-5	Styrene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	127-18-4	Tetrachloroethene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	108-88-3	Toluene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	10061-02-6	trans-1,3-Dichloropropene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	79-01-6	Trichloroethene	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	75-01-4	Vinyl Chloride	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01	1330-20-7	Xylene (total)	22.0000 R	22.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	95-50-1	1,2-Dichlorobenzene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	120-82-1	1,2,4-Trichlorobenzene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	541-73-1	1,3-Dichlorobenzene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	106-46-7	1,4-Dichlorobenzene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	91-58-7	2-Chloronaphthalene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	95-57-8	2-Chlorophenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	91-57-6	2-Methylnaphthalene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	95-48-7	2-Methylphenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	88-74-4	2-Nitroaniline	1,700.0000 UJ	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	88-75-5	2-Nitrophenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	120-83-2	2,4-Dichlorophenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	105-67-9	2,4-Dimethylphenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	51-28-5	2,4-Dinitrophenol	1,700.0000 UJ	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	121-14-2	2,4-Dinitrotoluene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	95-95-4	2,4,5-Trichlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-004-01	88-06-2	2,4,6-Trichlorophenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	606-20-2	2,6-Dinitrotoluene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	99-09-2	3-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	91-94-1	3,3'-Dichlorobenzidine	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	101-55-3	4-Bromophenyl-phenylether	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	59-50-7	4-Chloro-3-Methylphenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	106-47-8	4-Chloroaniline	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	7005-72-3	4-Chlorophenyl-phenylether	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	106-44-5	4-Methylphenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	100-01-6	4-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	100-02-7	4-Nitrophenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	83-32-9	Acenaphthene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	208-96-8	Acenaphthylene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	120-12-7	Anthracene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	56-55-3	Benzo(a)Anthracene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	50-32-8	Benzo(a)Pyrene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	205-99-2	Benzo(b)Fluoranthene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	191-24-2	Benzo(g,h,i)Perylene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	207-08-9	Benzo(k)Fluoranthene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	111-91-1	bis(2-Chloroethoxy)Methane	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	111-44-4	bis(2-Chloroethyl)Ether	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	117-81-7	bis(2-Ethylhexyl)Phthalate	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	85-68-7	Butylbenzylphthalate	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	86-74-8	Carbazole	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	218-01-9	Chrysene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	132-64-9	Dibenzofuran	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	53-70-3	Dibenz(a,h)Anthracene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	84-66-2	Diethylphthalate	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	131-11-3	Dimethyl Phthalate	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	84-74-2	Di-n-Butylphthalate	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	117-84-0	Di-n-Octyl Phthalate	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	206-44-0	Fluoranthene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	86-73-7	Fluorene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	118-74-1	Hexachlorobenzene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	87-68-3	Hexachlorobutadiene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	77-47-4	Hexachlorocyclopentadiene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	67-72-1	Hexachloroethane	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	193-39-5	Indeno(1,2,3-cd)Pyrene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	78-59-1	Isophorone	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	91-20-3	Naphthalene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	98-95-3	Nitrobenzene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	621-64-7	N-Nitroso-Di-n-Propylamine	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	86-30-6	N-Nitrosodiphenylamine	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	87-86-5	Pentachlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	87-86-5	Pentachlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	85-01-8	Phenanthrene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	108-95-2	Phenol	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-01	129-00-0	Pyrene	720.0000 U	720.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-34-3	1,1-Dichloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-35-4	1,1-Dichloroethene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	71-55-6	1,1,1-Trichloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	VOA	AB-004-01RE	79-00-5	1,1,2-Trichloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	79-34-5	1,1,2,2-Tetrachloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	107-06-2	1,2-Dichloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	540-59-0	1,2-Dichloroethene (total)	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	78-87-5	1,2-Dichloropropane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	78-93-3	2-Butanone	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	591-78-6	2-Hexanone	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	108-10-1	4-Methyl-2-Pentanone	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	67-64-1	Acetone	170.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	71-43-2	Benzene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-27-4	Bromodichloromethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-25-2	Bromoform	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	74-83-9	Bromomethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-15-0	Carbon Disulfide	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	56-23-5	Carbon Tetrachloride	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	108-90-7	Chlorobenzene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-00-3	Chloroethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	67-66-3	Chloroform	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	74-87-3	Chloromethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	10061-01-5	cis-1,3-Dichloropropene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	124-48-1	Dibromochloromethane	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	100-41-4	Ethylbenzene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-09-2	Methylene Chloride	54.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	100-42-5	Styrene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	127-18-4	Tetrachloroethene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	108-88-3	Toluene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	10061-02-6	trans-1,3-Dichloropropene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	79-01-6	Trichloroethene	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	75-01-4	Vinyl Chloride	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-004-01RE	1330-20-7	Xylene (total)	22.0000 UJ	22.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	95-50-1	1,2-Dichlorobenzene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	120-82-1	1,2,4-Trichlorobenzene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	541-73-1	1,3-Dichlorobenzene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	106-46-7	1,4-Dichlorobenzene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	91-58-7	2-Chloronaphthalene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	95-57-8	2-Chlorophenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	91-57-6	2-Methylnaphthalene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	95-48-7	2-Methylphenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	88-74-4	2-Nitroaniline	1,700.0000 UJ	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	88-75-5	2-Nitrophenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	120-83-2	2,4-Dichlorophenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	105-67-9	2,4-Dimethylphenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	51-28-5	2,4-Dinitrophenol	1,700.0000 UJ	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	121-14-2	2,4-Dinitrotoluene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	95-95-4	2,4,5-Trichlorophenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	88-06-2	2,4,6-Trichlorophenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	606-20-2	2,6-Dinitrotoluene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	99-09-2	3-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	91-94-1	3,3'-Dichlorobenzidine	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	101-55-3	4-Bromophenyl-phenylether	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	59-50-7	4-Chloro-3-Methylphenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	106-47-8	4-Chloroaniline	710.0000 U	710.0000	UG/KG	06/01/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-004-11	7005-72-3	4-Chlorophenyl-phenylether	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	106-44-5	4-Methylphenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	100-01-6	4-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	100-02-7	4-Nitrophenol	1,700.0000 U	1,700.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	83-32-9	Acenaphthene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	208-96-8	Acenaphthylene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	120-12-7	Anthracene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	56-55-3	Benzo(a)Anthracene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	50-32-8	Benzo(a)Pyrene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	205-99-2	Benzo(b)Fluoranthene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	191-24-2	Benzo(g,h,i)Perylene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	207-08-9	Benzo(k)Fluoranthene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	111-91-1	bis(2-Chloroethoxy)Methane	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	111-44-4	bis(2-Chloroethyl)Ether	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	117-81-7	bis(2-Ethylhexyl)Phthalate	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	85-68-7	Butylbenzylphthalate	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	86-74-8	Carbazole	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	218-01-9	Chrysene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	132-64-9	Dibenzofuran	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	53-70-3	Dibenz(a,h)Anthracene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	84-66-2	Diethylphthalate	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	131-11-3	Dimethyl Phthalate	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	84-74-2	Di-n-Butylphthalate	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	117-84-0	Di-n-Octyl Phthalate	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	206-44-0	Fluoranthene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	86-73-7	Fluorene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	118-74-1	Hexachlorobenzene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	87-68-3	Hexachlorobutadiene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	77-47-4	Hexachlorocyclopentadiene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	67-72-1	Hexachloroethane	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	193-39-5	Indeno(1,2,3-cd)Pyrene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	78-59-1	Isophorone	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	91-20-3	Naphthalene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	98-95-3	Nitrobenzene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	621-64-7	N-Nitroso-Di-n-Propylamine	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	86-30-6	N-Nitrosodiphenylamine	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	85-01-8	Phenanthrene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	108-95-2	Phenol	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-004-11	129-00-0	Pyrene	710.0000 U	710.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-005-01	95-50-1	1,2-Dichlorobenzene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	120-82-1	1,2,4-Trichlorobenzene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	541-73-1	1,3-Dichlorobenzene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	106-46-7	1,4-Dichlorobenzene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	91-58-7	2-Chloronaphthalene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	95-57-8	2-Chlorophenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	91-57-6	2-Methylnaphthalene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	95-48-7	2-Methylphenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	88-74-4	2-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	88-75-5	2-Nitrophenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	690.0000 UJ	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	120-83-2	2,4-Dichlorophenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	105-67-9	2,4-Dimethylphenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	51-28-5	2,4-Dinitrophenol	1,700.0000 UJ	1,700.0000	UG/KG	05/28/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-005-01	121-14-2	2,4-Dinitrotoluene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	95-95-4	2,4,5-Trichlorophenol	1,700.0000 U	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	88-06-2	2,4,6-Trichlorophenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	606-20-2	2,6-Dinitrotoluene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	99-09-2	3-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	91-94-1	3,3'-Dichlorobenzidine	690.0000 UJ	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	101-55-3	4-Bromophenyl-phenylether	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	59-50-7	4-Chloro-3-Methylphenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	106-47-8	4-Chloroaniline	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	7005-72-3	4-Chlorophenyl-phenylether	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	106-44-5	4-Methylphenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	100-01-6	4-Nitroaniline	1,700.0000 U	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	100-02-7	4-Nitrophenol	1,700.0000 UJ	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,700.0000 U	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	83-32-9	Acenaphthene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	208-96-8	Acenaphthylene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	120-12-7	Anthracene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	56-55-3	Benzo(a)Anthracene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	50-32-8	Benzo(a)Pyrene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	205-99-2	Benzo(b)Fluoranthene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	191-24-2	Benzo(g,h,i)Perylene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	207-08-9	Benzo(k)Fluoranthene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	111-91-1	bis(2-Chloroethoxy)Methane	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	111-44-4	bis(2-Chloroethyl)Ether	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	117-81-7	bis(2-Ethylhexyl)Phthalate	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	85-68-7	Butylbenzylphthalate	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	86-74-8	Carbazole	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	218-01-9	Chrysene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	132-64-9	Dibenzofuran	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	53-70-3	Dibenz(a,h)Anthracene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	84-66-2	Diethylphthalate	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	131-11-3	Dimethyl Phthalate	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	84-74-2	Di-n-Butylphthalate	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	117-84-0	Di-n-Octyl Phthalate	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	206-44-0	Fluoranthene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	86-73-7	Fluorene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	118-74-1	Hexachlorobenzene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	87-68-3	Hexachlorobutadiene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	77-47-4	Hexachlorocyclopentadiene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	67-72-1	Hexachloroethane	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	193-39-5	Indeno(1,2,3-cd)Pyrene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	78-59-1	Isophorone	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	91-20-3	Naphthalene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	98-95-3	Nitrobenzene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	621-64-7	N-Nitroso-Di-n-Propylamine	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	86-30-6	N-Nitrosodiphenylamine	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	87-86-5	Pentachlorophenol	1,700.0000 U	1,700.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	85-01-8	Phenanthrene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	108-95-2	Phenol	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-005-01	129-00-0	Pyrene	690.0000 U	690.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	95-50-1	1,2-Dichlorobenzene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	120-82-1	1,2,4-Trichlorobenzene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	541-73-1	1,3-Dichlorobenzene	730.0000 U	730.0000	UG/KG	05/28/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-006-01	106-46-7	1,4-Dichlorobenzene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	91-58-7	2-Chloronaphthalene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	95-57-8	2-Chlorophenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	91-57-6	2-Methylnaphthalene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	95-48-7	2-Methylphenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	88-74-4	2-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	88-75-5	2-Nitrophenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	730.0000 UJ	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	120-83-2	2,4-Dichlorophenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	105-67-9	2,4-Dimethylphenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	51-28-5	2,4-Dinitrophenol	1,800.0000 UJ	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	121-14-2	2,4-Dinitrotoluene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	95-95-4	2,4,5-Trichlorophenol	1,800.0000 U	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	88-06-2	2,4,6-Trichlorophenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	606-20-2	2,6-Dinitrotoluene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	99-09-2	3-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	91-94-1	3,3'-Dichlorobenzidine	730.0000 UJ	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	101-55-3	4-Bromophenyl-phenylether	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	59-50-7	4-Chloro-3-Methylphenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	106-47-8	4-Chloroaniline	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	7005-72-3	4-Chlorophenyl-phenylether	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	106-44-5	4-Methylphenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	100-01-6	4-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	100-02-7	4-Nitrophenol	1,800.0000 UJ	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,800.0000 U	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	83-32-9	Acenaphthene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	208-96-8	Acenaphthylene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	120-12-7	Anthracene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	56-55-3	Benzo(a)Anthracene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	50-32-8	Benzo(a)Pyrene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	205-99-2	Benzo(b)Fluoranthene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	191-24-2	Benzo(g,h,i)Perylene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	207-08-9	Benzo(k)Fluoranthene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	111-91-1	bis(2-Chloroethoxy)Methane	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	111-44-4	bis(2-Chloroethyl)Ether	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	117-81-7	bis(2-Ethylhexyl)Phthalate	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	85-68-7	Butylbenzylphthalate	110.0000 J	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	86-74-8	Carbazole	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	218-01-9	Chrysene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	132-64-9	Dibenzofuran	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	53-70-3	Dibenz(a,h)Anthracene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	84-66-2	Diethylphthalate	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	131-11-3	Dimethyl Phthalate	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	84-74-2	Di-n-Butylphthalate	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	117-84-0	Di-n-Octyl Phthalate	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	206-44-0	Fluoranthene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	86-73-7	Fluorene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	118-74-1	Hexachlorobenzene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	87-68-3	Hexachlorobutadiene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	77-47-4	Hexachlorocyclopentadiene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	67-72-1	Hexachloroethane	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	193-39-5	Indeno(1,2,3-cd)Pyrene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	78-59-1	Isophorone	730.0000 U	730.0000	UG/KG	05/28/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-006-01	91-20-3	Naphthalene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	98-95-3	Nitrobenzene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	621-64-7	N-Nitroso-Di-n-Propylamine	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	86-30-6	N-Nitrosodiphenylamine	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	87-86-5	Pentachlorophenol	1,800.0000 U	1,800.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	85-01-8	Phenanthrene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	108-95-2	Phenol	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-006-01	129-00-0	Pyrene	730.0000 U	730.0000	UG/KG	05/28/93
FCAP	ASH	SVOA	AB-007-01	95-50-1	1,2-Dichlorobenzene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	120-82-1	1,2,4-Trichlorobenzene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	541-73-1	1,3-Dichlorobenzene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	106-46-7	1,4-Dichlorobenzene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	91-58-7	2-Chloronaphthalene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	95-57-8	2-Chlorophenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	91-57-6	2-Methylnaphthalene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	95-48-7	2-Methylphenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	88-74-4	2-Nitroaniline	1,800.0000 UJ	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	88-75-5	2-Nitrophenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	120-83-2	2,4-Dichlorophenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	105-67-9	2,4-Dimethylphenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	51-28-5	2,4-Dinitrophenol	1,800.0000 UJ	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	121-14-2	2,4-Dinitrotoluene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	95-95-4	2,4,5-Trichlorophenol	1,800.0000 U	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	88-06-2	2,4,6-Trichlorophenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	606-20-2	2,6-Dinitrotoluene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	99-09-2	3-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	91-94-1	3,3'-Dichlorobenzidine	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	101-55-3	4-Bromophenyl-phenylether	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	59-50-7	4-Chloro-3-Methylphenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	106-47-8	4-Chloroaniline	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	7005-72-3	4-Chlorophenyl-phenylether	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	106-44-5	4-Methylphenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	100-01-6	4-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	100-02-7	4-Nitrophenol	1,800.0000 U	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,800.0000 U	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	83-32-9	Acenaphthene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	208-96-8	Acenaphthylene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	120-12-7	Anthracene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	56-55-3	Benzo(a)Anthracene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	50-32-8	Benzo(a)Pyrene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	205-99-2	Benzo(b)Fluoranthene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	191-24-2	Benzo(g,h,i)Perylene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	207-08-9	Benzo(k)Fluoranthene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	111-91-1	bis(2-Chloroethoxy)Methane	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	111-44-4	bis(2-Chloroethyl)Ether	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	117-81-7	bis(2-Ethylhexyl)Phthalate	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	85-68-7	Butylbenzylphthalate	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	86-74-8	Carbazole	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	218-01-9	Chrysene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	132-64-9	Dibenzofuran	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	53-70-3	Dibenz(a,h)Anthracene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	84-66-2	Diethylphthalate	730.0000 U	730.0000	UG/KG	06/01/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-007-01	131-11-3	Dimethyl Phthalate	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	84-74-2	Di-n-Butylphthalate	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	117-84-0	Di-n-Octyl Phthalate	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	206-44-0	Fluoranthene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	86-73-7	Fluorene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	118-74-1	Hexachlorobenzene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	87-68-3	Hexachlorobutadiene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	77-47-4	Hexachlorocyclopentadiene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	67-72-1	Hexachloroethane	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	193-39-5	Indeno(1,2,3-cd)Pyrene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	78-59-1	Isophorone	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	91-20-3	Naphthalene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	98-95-3	Nitrobenzene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	621-64-7	N-Nitroso-Di-n-Propylamine	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	86-30-6	N-Nitrosodiphenylamine	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	87-86-5	Pentachlorophenol	1,800.0000 U	1,800.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	85-01-8	Phenanthrene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	108-95-2	Phenol	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	SVOA	AB-007-01	129-00-0	Pyrene	730.0000 U	730.0000	UG/KG	06/01/93
FCAP	ASH	VOA	AB-008-01	75-34-3	1,1-Dichloroethane	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-35-4	1,1-Dichloroethene	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	71-55-6	1,1,1-Trichloroethane	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	79-00-5	1,1,2-Trichloroethane	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	79-34-5	1,1,2,2-Tetrachloroethane	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	107-06-2	1,2-Dichloroethane	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	540-59-0	1,2-Dichloroethene (total)	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	78-87-5	1,2-Dichloropropane	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	78-93-3	2-Butanone	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	591-78-6	2-Hexanone	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	108-10-1	4-Methyl-2-Pentanone	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	67-64-1	Acetone	110.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	71-43-2	Benzene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-27-4	Bromodichloromethane	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-25-2	Bromoform	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	74-83-9	Bromomethane	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-15-0	Carbon Disulfide	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	56-23-5	Carbon Tetrachloride	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	108-90-7	Chlorobenzene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-00-3	Chloroethane	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	67-66-3	Chloroform	2.0000 J	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	74-87-3	Chloromethane	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	10061-01-5	cis-1,3-Dichloropropene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	124-48-1	Dibromochloromethane	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	100-41-4	Ethylbenzene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-09-2	Methylene Chloride	87.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	100-42-5	Styrene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	127-18-4	Tetrachloroethene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	108-88-3	Toluene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	10061-02-6	trans-1,3-Dichloropropene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	79-01-6	Trichloroethene	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	75-01-4	Vinyl Chloride	22.0000 UJ	22.0000	UG/KG	06/02/93
FCAP	ASH	VOA	AB-008-01	1330-20-7	Xylene (total)	22.0000 R	22.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	95-50-1	1,2-Dichlorobenzene	720.0000 U	720.0000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	SVOA	AB-008-01	120-82-1	1,2,4-Trichlorobenzene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	541-73-1	1,3-Dichlorobenzene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	106-46-7	1,4-Dichlorobenzene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	91-58-7	2-Chloronaphthalene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	95-57-8	2-Chlorophenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	91-57-6	2-Methylnaphthalene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	95-48-7	2-Methylphenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	88-74-4	2-Nitroaniline	1,800.0000 UJ	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	88-75-5	2-Nitrophenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	120-83-2	2,4-Dichlorophenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	105-67-9	2,4-Dimethylphenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	51-28-5	2,4-Dinitrophenol	1,800.0000 UJ	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	121-14-2	2,4-Dinitrotoluene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	95-95-4	2,4,5-Trichlorophenol	1,800.0000 U	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	88-06-2	2,4,6-Trichlorophenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	606-20-2	2,6-Dinitrotoluene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	99-09-2	3-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	91-94-1	3,3'-Dichlorobenzidine	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	101-55-3	4-Bromophenyl-phenylether	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	59-50-7	4-Chloro-3-Methylphenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	106-47-8	4-Chloroaniline	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	7005-72-3	4-Chlorophenyl-phenylether	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	106-44-5	4-Methylphenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	100-01-6	4-Nitroaniline	1,800.0000 U	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	100-02-7	4-Nitrophenol	1,800.0000 U	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,800.0000 U	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	83-32-9	Acenaphthene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	208-96-8	Acenaphthylene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	120-12-7	Anthracene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	56-55-3	Benzo(a)Anthracene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	50-32-8	Benzo(a)Pyrene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	205-99-2	Benzo(b)Fluoranthene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	191-24-2	Benzo(g,h,i)Perylene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	207-08-9	Benzo(k)Fluoranthene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	111-91-1	bis(2-Chloroethoxy)Methane	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	111-44-4	bis(2-Chloroethyl)Ether	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	117-81-7	bis(2-Ethylhexyl)Phthalate	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	85-68-7	Butylbenzylphthalate	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	86-74-8	Carbazole	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	218-01-9	Chrysene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	132-64-9	Dibenzofuran	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	53-70-3	Dibenz(a,h)Anthracene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	84-66-2	Diethylphthalate	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	131-11-3	Dimethyl Phthalate	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	84-74-2	Di-n-Butylphthalate	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	117-84-0	Di-n-Octyl Phthalate	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	206-44-0	Fluoranthene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	86-73-7	Fluorene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	118-74-1	Hexachlorobenzene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	87-68-3	Hexachlorobutadiene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	77-47-4	Hexachlorocyclopentadiene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	67-72-1	Hexachloroethane	720.0000 U	720.0000	UG/KG	06/02/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-008-01	193-39-5	Indeno(1,2,3-cd)Pyrene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	78-59-1	Isophorone	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	91-20-3	Naphthalene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	98-95-3	Nitrobenzene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	621-64-7	N-Nitroso-Di-n-Propylamine	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	86-30-6	N-Nitrosodiphenylamine	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	87-86-5	Pentachlorophenol	1,800.0000 U	1,800.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	85-01-8	Phenanthrene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	108-95-2	Phenol	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-008-01	129-00-0	Pyrene	720.0000 U	720.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	95-50-1	1,2-Dichlorobenzene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	120-82-1	1,2,4-Trichlorobenzene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	541-73-1	1,3-Dichlorobenzene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	106-46-7	1,4-Dichlorobenzene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	91-58-7	2-Chloronaphthalene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	95-57-8	2-Chlorophenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	91-57-6	2-Methylnaphthalene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	95-48-7	2-Methylphenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	88-74-4	2-Nitroaniline	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	88-75-5	2-Nitrophenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	120-83-2	2,4-Dichlorophenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	105-67-9	2,4-Dimethylphenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	51-28-5	2,4-Dinitrophenol	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	121-14-2	2,4-Dinitrotoluene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	95-95-4	2,4,5-Trichlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	88-06-2	2,4,6-Trichlorophenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	606-20-2	2,6-Dinitrotoluene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	99-09-2	3-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	91-94-1	3,3'-Dichlorobenzidine	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	101-55-3	4-Bromophenyl-phenylether	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	59-50-7	4-Chloro-3-Methylphenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	106-47-8	4-Chloroaniline	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	7005-72-3	4-Chlorophenyl-phenylether	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	106-44-5	4-Methylphenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	100-01-6	4-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	100-02-7	4-Nitrophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	83-32-9	Acenaphthene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	208-96-8	Acenaphthylene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	120-12-7	Anthracene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	56-55-3	Benzo(a)Anthracene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	50-32-8	Benzo(a)Pyrene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	205-99-2	Benzo(b)Fluoranthene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	191-24-2	Benzo(g,h,i)Perylene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	207-08-9	Benzo(k)Fluoranthene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	111-91-1	bis(2-Chloroethoxy)Methane	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	111-44-4	bis(2-Chloroethyl)Ether	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	117-81-7	bis(2-Ethylhexyl)Phthalate	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	85-68-7	Butylbenzylphthalate	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	86-74-8	Carbazole	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	218-01-9	Chrysene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	132-64-9	Dibenzofuran	580.0000 U	580.0000	UG/KG	06/02/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-009-01	53-70-3	Dibenz(a,h)Anthracene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	84-66-2	Diethylphthalate	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	131-11-3	Dimethyl Phthalate	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	84-74-2	Di-n-Butylphthalate	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	117-84-0	Di-n-Octyl Phthalate	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	206-44-0	Fluoranthene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	86-73-7	Fluorene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	118-74-1	Hexachlorobenzene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	87-68-3	Hexachlorobutadiene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	77-47-4	Hexachlorocyclopentadiene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	67-72-1	Hexachloroethane	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	193-39-5	Indeno(1,2,3-cd)Pyrene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	78-59-1	Isophorone	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	91-20-3	Naphthalene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	98-95-3	Nitrobenzene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	621-64-7	N-Nitroso-Di-n-Propylamine	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	86-30-6	N-Nitrosodiphenylamine	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	87-86-5	Pentachlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	85-01-8	Phenanthrene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	108-95-2	Phenol	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-01	129-00-0	Pyrene	580.0000 U	580.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	95-50-1	1,2-Dichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	120-82-1	1,2,4-Trichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	541-73-1	1,3-Dichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	106-46-7	1,4-Dichlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	91-58-7	2-Chloronaphthalene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	95-57-8	2-Chlorophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	91-57-6	2-Methylnaphthalene	59.0000 J	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	95-48-7	2-Methylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	88-74-4	2-Nitroaniline	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	88-75-5	2-Nitrophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	120-83-2	2,4-Dichlorophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	105-67-9	2,4-Dimethylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	51-28-5	2,4-Dinitrophenol	1,400.0000 UJ	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	121-14-2	2,4-Dinitrotoluene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	95-95-4	2,4,5-Trichlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	88-06-2	2,4,6-Trichlorophenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	606-20-2	2,6-Dinitrotoluene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	99-09-2	3-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	91-94-1	3,3'-Dichlorobenzidine	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	101-55-3	4-Bromophenyl-phenylether	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	59-50-7	4-Chloro-3-Methylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	106-47-8	4-Chloroaniline	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	7005-72-3	4-Chlorophenyl-phenylether	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	106-44-5	4-Methylphenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	100-01-6	4-Nitroaniline	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	100-02-7	4-Nitrophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	534-52-1	4,6-Dinitro-2-Methylphenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	83-32-9	Acenaphthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	208-96-8	Acenaphthylene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	120-12-7	Anthracene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	56-55-3	Benzo(a)Anthracene	570.0000 U	570.0000	UG/KG	06/02/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FCAP	ASH	SVOA	AB-009-11	50-32-8	Benzo(a)Pyrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	205-99-2	Benzo(b)Fluoranthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	191-24-2	Benzo(g,h,i)Perylene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	207-08-9	Benzo(k)Fluoranthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	111-91-1	bis(2-Chloroethoxy)Methane	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	111-44-4	bis(2-Chloroethyl)Ether	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	117-81-7	bis(2-Ethylhexyl)Phthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	85-68-7	Butylbenzylphthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	86-74-8	Carbazole	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	218-01-9	Chrysene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	132-64-9	Dibenzofuran	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	53-70-3	Dibenz(a,h)Anthracene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	84-66-2	Diethylphthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	131-11-3	Dimethyl Phthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	84-74-2	Di-n-Butylphthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	117-84-0	Di-n-Octyl Phthalate	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	206-44-0	Fluoranthene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	86-73-7	Fluorene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	118-74-1	Hexachlorobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	87-68-3	Hexachlorobutadiene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	77-47-4	Hexachlorocyclopentadiene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	67-72-1	Hexachloroethane	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	193-39-5	Indeno(1,2,3-cd)Pyrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	78-59-1	Isophorone	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	91-20-3	Naphthalene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	98-95-3	Nitrobenzene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	621-64-7	N-Nitroso-Di-n-Propylamine	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	86-30-6	N-Nitrosodiphenylamine	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	87-86-5	Pentachlorophenol	1,400.0000 U	1,400.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	85-01-8	Phenanthrene	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	108-95-2	Phenol	570.0000 U	570.0000	UG/KG	06/02/93
FCAP	ASH	SVOA	AB-009-11	129-00-0	Pyrene	570.0000 U	570.0000	UG/KG	06/02/93
SC	ASH	SVOA	SC-002-01	95-50-1	1,2-Dichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	120-82-1	1,2,4-Trichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	541-73-1	1,3-Dichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	106-46-7	1,4-Dichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	91-58-7	2-Chloronaphthalene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	95-57-8	2-Chlorophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	91-57-6	2-Methylnaphthalene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	95-48-7	2-Methylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	88-74-4	2-Nitroaniline	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	88-75-5	2-Nitrophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	120-83-2	2,4-Dichlorophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	105-67-9	2,4-Dimethylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	51-28-5	2,4-Dinitrophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	121-14-2	2,4-Dinitrotoluene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	95-95-4	2,4,5-Trichlorophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	88-06-2	2,4,6-Trichlorophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	606-20-2	2,6-Dinitrotoluene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	99-09-2	3-Nitroaniline	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	91-94-1	3,3'-Dichlorobenzidine	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	101-55-3	4-Bromophenyl-phenylether	420.0000 U	420.0000	UG/KG	06/11/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
SC	ASH	SVOA	SC-002-01	59-50-7	4-Chloro-3-Methylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	106-47-8	4-Chloroaniline	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	7005-72-3	4-Chlorophenyl-phenylether	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	106-44-5	4-Methylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	100-01-6	4-Nitroaniline	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	100-02-7	4-Nitrophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	83-32-9	Acenaphthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	208-96-8	Acenaphthylene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	120-12-7	Anthracene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	56-55-3	Benzo(a)Anthracene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	50-32-8	Benzo(a)Pyrene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	205-99-2	Benzo(b)Fluoranthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	191-24-2	Benzo(g,h,i)Perylene	420.0000 UJ	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	207-08-9	Benzo(k)Fluoranthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	111-91-1	bis(2-Chloroethoxy)Methane	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	111-44-4	bis(2-Chloroethyl)Ether	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	117-81-7	bis(2-Ethylhexyl)Phthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	85-68-7	Butylbenzylphthalate	66.0000 J	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	86-74-8	Carbazole	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	218-01-9	Chrysene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	132-64-9	Dibenzofuran	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	53-70-3	Dibenz(a,h)Anthracene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	84-66-2	Diethylphthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	131-11-3	Dimethyl Phthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	84-74-2	Di-n-Butylphthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	117-84-0	Di-n-Octyl Phthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	206-44-0	Fluoranthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	86-73-7	Fluorene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	118-74-1	Hexachlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	87-68-3	Hexachlorobutadiene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	77-47-4	Hexachlorocyclopentadiene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	67-72-1	Hexachloroethane	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	193-39-5	Indeno(1,2,3-cd)Pyrene	420.0000 UJ	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	78-59-1	Isophorone	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	91-20-3	Naphthalene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	98-95-3	Nitrobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	621-64-7	N-Nitroso-Di-n-Propylamine	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	86-30-6	N-Nitrosodiphenylamine	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	87-86-5	Pentachlorophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	85-01-8	Phenanthrene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	108-95-2	Phenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-01	129-00-0	Pyrene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	95-50-1	1,2-Dichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	120-82-1	1,2,4-Trichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	541-73-1	1,3-Dichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	106-46-7	1,4-Dichlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	91-58-7	2-Chloronaphthalene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	95-57-8	2-Chlorophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	91-57-6	2-Methylnaphthalene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	95-48-7	2-Methylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	88-74-4	2-Nitroaniline	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	88-75-5	2-Nitrophenol	420.0000 U	420.0000	UG/KG	06/11/93

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Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
SC	ASH	SVOA	SC-002-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	120-83-2	2,4-Dichlorophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	105-67-9	2,4-Dimethylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	51-28-5	2,4-Dinitrophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	121-14-2	2,4-Dinitrotoluene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	95-95-4	2,4,5-Trichlorophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	88-06-2	2,4,6-Trichlorophenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	606-20-2	2,6-Dinitrotoluene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	99-09-2	3-Nitroaniline	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	91-94-1	3,3'-Dichlorobenzidine	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	101-55-3	4-Bromophenyl-phenylether	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	59-50-7	4-Chloro-3-Methylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	106-47-8	4-Chloroaniline	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	7005-72-3	4-Chlorophenyl-phenylether	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	106-44-5	4-Methylphenol	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	100-01-6	4-Nitroaniline	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	100-02-7	4-Nitrophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	534-52-1	4,6-Dinitro-2-Methylphenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	83-32-9	Acenaphthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	208-96-8	Acenaphthylene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	120-12-7	Anthracene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	56-55-3	Benzo(a)Anthracene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	50-32-8	Benzo(a)Pyrene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	205-99-2	Benzo(b)Fluoranthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	191-24-2	Benzo(g,h,i)Perylene	420.0000 UJ	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	207-08-9	Benzo(k)Fluoranthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	111-91-1	bis(2-Chloroethoxy)Methane	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	111-44-4	bis(2-Chloroethyl)Ether	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	117-81-7	bis(2-Ethylhexyl)Phthalate	70.0000 J	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	85-68-7	Butylbenzylphthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	86-74-8	Carbazole	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	218-01-9	Chrysene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	132-64-9	Dibenzofuran	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	53-70-3	Dibenz(a,h)Anthracene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	84-66-2	Diethylphthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	131-11-3	Dimethyl Phthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	84-74-2	Di-n-Butylphthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	117-84-0	Di-n-Octyl Phthalate	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	206-44-0	Fluoranthene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	86-73-7	Fluorene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	118-74-1	Hexachlorobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	87-68-3	Hexachlorobutadiene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	77-47-4	Hexachlorocyclopentadiene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	67-72-1	Hexachloroethane	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	193-39-5	Indeno(1,2,3-cd)Pyrene	420.0000 UJ	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	78-59-1	Isophorone	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	91-20-3	Naphthalene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	98-95-3	Nitrobenzene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	621-64-7	N-Nitroso-Di-n-Propylamine	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	86-30-6	N-Nitrosodiphenylamine	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	87-86-5	Pentachlorophenol	1,000.0000 U	1,000.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	85-01-8	Phenanthrene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-002-11	108-95-2	Phenol	420.0000 U	420.0000	UG/KG	06/11/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
SC	ASH	SVOA	SC-002-11	129-00-0	Pyrene	420.0000 U	420.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	95-50-1	1,2-Dichlorobenzene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	120-82-1	1,2,4-Trichlorobenzene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	541-73-1	1,3-Dichlorobenzene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	106-46-7	1,4-Dichlorobenzene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	91-58-7	2-Chloronaphthalene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	95-57-8	2-Chlorophenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	91-57-6	2-Methylnaphthalene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	95-48-7	2-Methylphenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	88-74-4	2-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	88-75-5	2-Nitrophenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	120-83-2	2,4-Dichlorophenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	105-67-9	2,4-Dimethylphenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	51-28-5	2,4-Dinitrophenol	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	121-14-2	2,4-Dinitrotoluene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	95-95-4	2,4,5-Trichlorophenol	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	88-06-2	2,4,6-Trichlorophenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	606-20-2	2,6-Dinitrotoluene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	99-09-2	3-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	91-94-1	3,3'-Dichlorobenzidine	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	101-55-3	4-Bromophenyl-phenylether	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	59-50-7	4-Chloro-3-Methylphenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	106-47-8	4-Chloroaniline	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	7005-72-3	4-Chlorophenyl-phenylether	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	106-44-5	4-Methylphenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	100-01-6	4-Nitroaniline	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	100-02-7	4-Nitrophenol	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	83-32-9	Acenaphthene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	208-96-8	Acenaphthylene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	120-12-7	Anthracene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	56-55-3	Benzo(a)Anthracene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	50-32-8	Benzo(a)Pyrene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	205-99-2	Benzo(b)Fluoranthene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	191-24-2	Benzo(g,h,i)Perylene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	207-08-9	Benzo(k)Fluoranthene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	111-91-1	bis(2-Chloroethoxy)Methane	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	111-44-4	bis(2-Chloroethyl)Ether	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	117-81-7	bis(2-Ethylhexyl)Phthalate	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	85-68-7	Butylbenzylphthalate	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	86-74-8	Carbazole	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	218-01-9	Chrysene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	132-64-9	Dibenzofuran	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	53-70-3	Dibenz(a,h)Anthracene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	84-66-2	Diethylphthalate	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	131-11-3	Dimethyl Phthalate	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	84-74-2	Di-n-Butylphthalate	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	117-84-0	Di-n-Octyl Phthalate	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	206-44-0	Fluoranthene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	86-73-7	Fluorene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	118-74-1	Hexachlorobenzene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	87-68-3	Hexachlorobutadiene	460.0000 U	460.0000	UG/KG	06/11/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
SC	ASH	SVOA	SC-004-01	77-47-4	Hexachlorocyclopentadiene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	67-72-1	Hexachloroethane	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	193-39-5	Indeno(1,2,3-cd)Pyrene	460.0000 UJ	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	78-59-1	Isophorone	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	91-20-3	Naphthalene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	98-95-3	Nitrobenzene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	621-64-7	N-Nitroso-Di-n-Propylamine	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	86-30-6	N-Nitrosodiphenylamine	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	87-86-5	Pentachlorophenol	1,100.0000 U	1,100.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	85-01-8	Phenanthrene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	108-95-2	Phenol	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-004-01	129-00-0	Pyrene	460.0000 U	460.0000	UG/KG	06/11/93
SC	ASH	SVOA	SC-007-01	95-50-1	1,2-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	120-82-1	1,2,4-Trichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	541-73-1	1,3-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	106-46-7	1,4-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	91-58-7	2-Chloronaphthalene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	95-57-8	2-Chlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	91-57-6	2-Methylnaphthalene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	95-48-7	2-Methylphenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	88-74-4	2-Nitroaniline	1,300.0000 UJ	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	88-75-5	2-Nitrophenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	120-83-2	2,4-Dichlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	105-67-9	2,4-Dimethylphenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	51-28-5	2,4-Dinitrophenol	1,300.0000 UJ	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	121-14-2	2,4-Dinitrotoluene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	95-95-4	2,4,5-Trichlorophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	88-06-2	2,4,6-Trichlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	606-20-2	2,6-Dinitrotoluene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	99-09-2	3-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	91-94-1	3,3'-Dichlorobenzidine	550.0000 UJ	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	101-55-3	4-Bromophenyl-phenylether	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	59-50-7	4-Chloro-3-Methylphenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	106-47-8	4-Chloroaniline	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	7005-72-3	4-Chlorophenyl-phenylether	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	106-44-5	4-Methylphenol	550.0000 UJ	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	100-01-6	4-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	100-02-7	4-Nitrophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	534-52-1	4,6-Dinitro-2-Methylphenol	1,300.0000 UJ	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	83-32-9	Acenaphthene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	208-96-8	Acenaphthylene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	120-12-7	Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	56-55-3	Benzo(a)Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	50-32-8	Benzo(a)Pyrene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	205-99-2	Benzo(b)Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	191-24-2	Benzo(g,h,i)Perylene	550.0000 UJ	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	207-08-9	Benzo(k)Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	111-91-1	bis(2-Chloroethoxy)Methane	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	111-44-4	bis(2-Chloroethyl)Ether	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	117-81-7	bis(2-Ethylhexyl)Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	85-68-7	Butylbenzylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	86-74-8	Carbazole	550.0000 U	550.0000	UG/KG	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	ASH	SVOA	SC-007-01	218-01-9	Chrysene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	132-64-9	Dibenzofuran	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	53-70-3	Dibenz(a,h)Anthracene	550.0000 UJ	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	84-66-2	Diethylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	131-11-3	Dimethyl Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	84-74-2	Di-n-Butylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	117-84-0	Di-n-Octyl Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	206-44-0	Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	86-73-7	Fluorene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	118-74-1	Hexachlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	87-68-3	Hexachlorobutadiene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	77-47-4	Hexachlorocyclopentadiene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	67-72-1	Hexachloroethane	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	193-39-5	Indeno(1,2,3-cd)Pyrene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	78-59-1	Isophorone	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	91-20-3	Naphthalene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	98-95-3	Nitrobenzene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	621-64-7	N-Nitroso-Di-n-Propylamine	550.0000 UJ	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	86-30-6	N-Nitrosodiphenylamine	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	87-86-5	Pentachlorophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	85-01-8	Phenanthrene	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	108-95-2	Phenol	550.0000 U	550.0000	UG/KG	06/15/93
SC	ASH	SVOA	SC-007-01	129-00-0	Pyrene	550.0000 U	550.0000	UG/KG	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	PCB	AB-002-01	12674-11-2	Aroclor-1016	60.0000	UJ	60.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-002-01	11104-28-2	Aroclor-1221	120.0000	UJ	120.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-002-01	11141-16-5	Aroclor-1232	60.0000	UJ	60.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-002-01	53469-21-9	Aroclor-1242	60.0000	UJ	60.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-002-01	12672-29-6	Aroclor-1248	60.0000	UJ	60.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-002-01	11097-69-1	Aroclor-1254	60.0000	UJ	60.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-002-01	11096-82-5	Aroclor-1260	60.0000	UJ	60.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	72-54-8	4,4'-DDD	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	72-55-9	4,4'-DDE	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	50-29-3	4,4'-DDT	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	309-00-2	Aldrin	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	319-84-6	alpha-BHC	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	5103-71-9	alpha-Chlordane	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	319-85-7	beta-BHC	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	319-86-8	delta-BHC	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	60-57-1	Dieldrin	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	959-98-8	Endosulfan I	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	33213-65-9	Endosulfan II	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	1031-07-8	Endosulfan sulfate	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	72-20-8	Endrin	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	7421-93-4	Endrin aldehyde	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	53494-70-5	Endrin ketone	6.0000	UJ	6.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	58-89-9	gamma-BHC	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	5103-74-2	gamma-Chlordane	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	76-44-8	Heptachlor	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	1024-57-3	Heptachlor epoxide	3.1000	UJ	3.1000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	72-43-5	Methoxychlor	31.0000	UJ	31.0000	UG/KG	05/27/93
FCAP	ASH	PEST	AB-002-01	8001-35-2	Toxaphene	310.0000	UJ	310.0000	UG/KG	05/27/93
FCAP	ASH	PCB	AB-004-01	12674-11-2	Aroclor-1016	73.0000	U	73.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-01	11104-28-2	Aroclor-1221	150.0000	U	150.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-01	11141-16-5	Aroclor-1232	73.0000	U	73.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-01	53469-21-9	Aroclor-1242	73.0000	U	73.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-01	12672-29-6	Aroclor-1248	73.0000	U	73.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-01	11097-69-1	Aroclor-1254	73.0000	U	73.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-01	11096-82-5	Aroclor-1260	73.0000	U	73.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	72-54-8	4,4'-DDD	0.5200	J	18.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	72-55-9	4,4'-DDE	7.3000	U	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	50-29-3	4,4'-DDT	7.3000	U	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	309-00-2	Aldrin	3.8000	U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	319-84-6	alpha-BHC	0.2600	JP	9.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	5103-71-9	alpha-Chlordane	3.8000	U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	319-85-7	beta-BHC	3.8000	U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	319-86-8	delta-BHC	3.8000	U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	60-57-1	Dieldrin	7.3000	UJ	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	959-98-8	Endosulfan I	3.8000	U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	33213-65-9	Endosulfan II	7.3000	U	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	1031-07-8	Endosulfan sulfate	7.3000	U	7.3000	UG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	PEST	AB-004-01	72-20-8	Endrin	7.3000 U	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	7421-93-4	Endrin aldehyde	7.3000 U	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	53494-70-5	Endrin ketone	7.3000 U	7.3000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	58-89-9	gamma-BHC	3.8000 U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	5103-74-2	gamma-Chlordane	3.8000 U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	76-44-8	Heptachlor	3.8000 U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	1024-57-3	Heptachlor epoxide	3.8000 U	3.8000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	72-43-5	Methoxychlor	38.0000 UJ	38.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-01	8001-35-2	Toxaphene	380.0000 U	380.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	12674-11-2	Aroclor-1016	71.0000 U	71.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	11104-28-2	Aroclor-1221	140.0000 U	140.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	11141-16-5	Aroclor-1232	71.0000 U	71.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	53469-21-9	Aroclor-1242	71.0000 U	71.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	12672-29-6	Aroclor-1248	71.0000 U	71.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	11097-69-1	Aroclor-1254	71.0000 U	71.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-004-11	11096-82-5	Aroclor-1260	71.0000 U	71.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	72-54-8	4,4'-DDD	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	72-55-9	4,4'-DDE	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	50-29-3	4,4'-DDT	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	309-00-2	Aldrin	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	319-84-6	alpha-BHC	0.3000 J	9.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	5103-71-9	alpha-Chlordane	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	319-85-7	beta-BHC	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	319-86-8	delta-BHC	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	60-57-1	Dieldrin	7.1000 UJ	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	959-98-8	Endosulfan I	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	33213-65-9	Endosulfan II	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	1031-07-8	Endosulfan sulfate	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	72-20-8	Endrin	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	7421-93-4	Endrin aldehyde	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	53494-70-5	Endrin ketone	7.1000 U	7.1000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	58-89-9	gamma-BHC	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	5103-74-2	gamma-Chlordane	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	76-44-8	Heptachlor	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	1024-57-3	Heptachlor epoxide	3.7000 U	3.7000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	72-43-5	Methoxychlor	37.0000 UJ	37.0000	UG/KG	06/01/93
FCAP	ASH	PEST	AB-004-11	8001-35-2	Toxaphene	370.0000 U	370.0000	UG/KG	06/01/93
FCAP	ASH	PCB	AB-008-01	12674-11-2	Aroclor-1016	72.0000 UJ	72.0000	UG/KG	06/02/93
FCAP	ASH	PCB	AB-008-01	11104-28-2	Aroclor-1221	150.0000 UJ	150.0000	UG/KG	06/02/93
FCAP	ASH	PCB	AB-008-01	11141-16-5	Aroclor-1232	72.0000 UJ	72.0000	UG/KG	06/02/93
FCAP	ASH	PCB	AB-008-01	53469-21-9	Aroclor-1242	72.0000 UJ	72.0000	UG/KG	06/02/93
FCAP	ASH	PCB	AB-008-01	12672-29-6	Aroclor-1248	72.0000 UJ	72.0000	UG/KG	06/02/93
FCAP	ASH	PCB	AB-008-01	11097-69-1	Aroclor-1254	72.0000 UJ	72.0000	UG/KG	06/02/93
FCAP	ASH	PCB	AB-008-01	11096-82-5	Aroclor-1260	72.0000 UJ	72.0000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	72-54-8	4,4'-DDD	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	72-55-9	4,4'-DDE	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	50-29-3	4,4'-DDT	7.2000 UJ	7.2000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	PEST	AB-008-01	309-00-2	Aldrin	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	319-84-6	alpha-BHC	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	5103-71-9	alpha-Chlordane	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	319-85-7	beta-BHC	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	319-86-8	delta-BHC	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	60-57-1	Dieldrin	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	959-98-8	Endosulfan I	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	33213-65-9	Endosulfan II	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	1031-07-8	Endosulfan sulfate	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	72-20-8	Endrin	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	7421-93-4	Endrin aldehyde	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	53494-70-5	Endrin ketone	7.2000 UJ	7.2000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	58-89-9	gamma-BHC	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	5103-74-2	gamma-Chlordane	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	76-44-8	Heptachlor	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	1024-57-3	Heptachlor epoxide	3.7000 UJ	3.7000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	72-43-5	Methoxychlor	37.0000 UJ	37.0000	UG/KG	06/02/93
FCAP	ASH	PEST	AB-008-01	8001-35-2	Toxaphene	370.0000 UJ	370.0000	UG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	METALS	AB-001-01	7429-90-5	Aluminum	15,600.0000	18.1000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-36-0	Antimony	20.4000 UJ	20.4000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-38-2	Arsenic	46.5000 J	1.3000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-39-3	Barium	343.0000	2.2000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-41-7	Beryllium	2.0000	0.8800	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-43-9	Cadmium	2.2000 UJ	2.2000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-70-2	Calcium	5,280.0000	69.0000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-47-3	Chromium	15.7000	4.4000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-48-4	Cobalt	9.9000	4.0000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-50-8	Copper	40.2000	11.1000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7439-89-6	Iron	20,100.0000	2.6000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7439-92-1	Lead	12.6000 J	0.8800	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7439-95-4	Magnesium	1,450.0000	211.0000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7439-96-5	Manganese	124.0000	2.6000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7439-97-6	Mercury	0.4800	0.2200	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-02-0	Nickel	13.7000 U	13.7000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-09-7	Potassium	2,590.0000	989.0000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7782-49-2	Selenium	15.7000 J	1.3000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-22-4	Silver	4.4000 UJ	4.4000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-23-5	Sodium	668.0000	57.1000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-28-0	Thallium	1.8000 U	1.8000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-62-2	Vanadium	56.9000	3.1000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-001-01	7440-66-6	Zinc	38.2000	1.3000	MG/KG	05/26/93
FCAP	ASH	METALS	AB-002-01	7429-90-5	Aluminum	11,600.0000	14.9000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-36-0	Antimony	16.7000 UJ	16.7000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-38-2	Arsenic	65.7000 J	1.1000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-39-3	Barium	238.0000	1.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-41-7	Beryllium	1.1000	0.7300	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-43-9	Cadmium	1.8000 UJ	1.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-70-2	Calcium	4,260.0000	56.6000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-47-3	Chromium	8.9000	3.6000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-48-4	Cobalt	5.2000	3.3000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-50-8	Copper	25.1000	9.1000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7439-89-6	Iron	25,100.0000	2.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7439-92-1	Lead	9.7000 J	0.7300	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7439-95-4	Magnesium	1,190.0000	173.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7439-96-5	Manganese	143.0000	2.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7439-97-6	Mercury	0.2000	0.1800	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-02-0	Nickel	12.3000	11.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-09-7	Potassium	2,860.0000	811.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7782-49-2	Selenium	4.9000 J	1.1000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-22-4	Silver	3.6000 UJ	3.6000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-23-5	Sodium	546.0000	46.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-28-0	Thallium	1.4000 U	1.4000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-62-2	Vanadium	33.7000	2.5000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-002-01	7440-66-6	Zinc	22.2000	1.1000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7429-90-5	Aluminum	13,800.0000	16.5000	MG/KG	05/27/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	METALS	AB-003-01	7440-36-0	Antimony	18.5000 UJ	18.5000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-38-2	Arsenic	59.3000 J	1.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-39-3	Barium	281.0000	2.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-41-7	Beryllium	1.8000	0.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-43-9	Cadmium	2.0000 UJ	2.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-70-2	Calcium	2,970.0000	62.6000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-47-3	Chromium	14.2000	4.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-48-4	Cobalt	8.4000	3.6000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-50-8	Copper	36.5000	10.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7439-89-6	Iron	12,300.0000	2.4000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7439-92-1	Lead	10.5000 J	0.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7439-95-4	Magnesium	1,090.0000	191.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7439-96-5	Manganese	98.2000	2.4000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7439-97-6	Mercury	0.3300	0.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-02-0	Nickel	16.5000	12.4000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-09-7	Potassium	3,410.0000	898.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7782-49-2	Selenium	4.9000 J	1.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-22-4	Silver	4.0000 UJ	4.0000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-23-5	Sodium	578.0000	51.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-28-0	Thallium	1.6000 U	1.6000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-62-2	Vanadium	53.5000	2.8000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-003-01	7440-66-6	Zinc	29.0000	1.2000	MG/KG	05/27/93
FCAP	ASH	METALS	AB-004-01	7429-90-5	Aluminum	15,700.0000	15.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-36-0	Antimony	16.0000 UJ	16.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-38-2	Arsenic	59.1000	1.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-39-3	Barium	352.0000	0.8900	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-41-7	Beryllium	2.6000	0.4400	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-43-9	Cadmium	2.2000 U	2.2000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-70-2	Calcium	3,930.0000	10.7000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-47-3	Chromium	18.4000	3.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-48-4	Cobalt	10.7000	3.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-50-8	Copper	47.6000	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7439-89-6	Iron	12,900.0000	18.2000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7439-92-1	Lead	10.0000	0.8900	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7439-95-4	Magnesium	1,300.0000	26.2000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7439-96-5	Manganese	70.5000	0.4400	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7439-97-6	Mercury	0.2900	0.2200	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-02-0	Nickel	21.1000	7.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-09-7	Potassium	3,420.0000	601.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7782-49-2	Selenium	13.0000 J	1.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-22-4	Silver	3.1000 U	3.1000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-23-5	Sodium	566.0000	112.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-28-0	Thallium	1.8000 UJ	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-62-2	Vanadium	68.5000	2.7000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-01	7440-66-6	Zinc	34.9000	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7429-90-5	Aluminum	20,900.0000	15.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-36-0	Antimony	15.8000 UJ	15.8000	MG/KG	06/01/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	METALS	AB-004-11	7440-38-2	Arsenic	47.2000	1.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-39-3	Barium	452.0000	0.8800	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-41-7	Beryllium	2.9000	0.4400	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-43-9	Cadmium	2.2000 U	2.2000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-70-2	Calcium	6,030.0000	10.5000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-47-3	Chromium	22.8000	3.5000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-48-4	Cobalt	17.5000	3.5000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-50-8	Copper	58.1000	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7439-89-6	Iron	33,500.0000	17.9000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7439-92-1	Lead	13.6000	0.8800	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7439-95-4	Magnesium	1,850.0000	25.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7439-96-5	Manganese	112.0000	0.4400	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7439-97-6	Mercury	0.4200	0.2200	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-02-0	Nickel	31.2000	7.4000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-09-7	Potassium	4,600.0000	592.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7782-49-2	Selenium	8.1000 J	1.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-22-4	Silver	3.1000 U	3.1000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-23-5	Sodium	725.0000	110.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-28-0	Thallium	1.8000 U	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-62-2	Vanadium	76.7000	2.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-004-11	7440-66-6	Zinc	44.2000	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-005-01	7429-90-5	Aluminum	17,700.0000	17.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-36-0	Antimony	19.1000 UJ	19.1000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-38-2	Arsenic	66.2000 J	1.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-39-3	Barium	314.0000	2.1000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-41-7	Beryllium	2.2000	0.8300	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-43-9	Cadmium	2.1000 UJ	2.1000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-70-2	Calcium	5,050.0000	64.9000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-47-3	Chromium	18.4000	4.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-48-4	Cobalt	9.0000	3.7000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-50-8	Copper	46.8000	10.4000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7439-89-6	Iron	25,600.0000	2.5000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7439-92-1	Lead	12.2000 J	0.8300	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7439-95-4	Magnesium	1,640.0000	198.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7439-96-5	Manganese	102.0000	2.5000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7439-97-6	Mercury	0.2100	0.2100	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-02-0	Nickel	25.8000	12.9000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-09-7	Potassium	3,720.0000	929.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7782-49-2	Selenium	9.8000 J	1.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-22-4	Silver	4.2000 UJ	4.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-23-5	Sodium	765.0000	53.6000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-28-0	Thallium	1.7000 U	1.7000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-62-2	Vanadium	69.5000	2.9000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-005-01	7440-66-6	Zinc	41.3000	1.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7429-90-5	Aluminum	17,200.0000	18.4000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-36-0	Antimony	20.7000 UJ	20.7000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-38-2	Arsenic	113.0000 J	17.5000	MG/KG	05/28/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	METALS	AB-006-01	7440-39-3	Barium	371.0000	2.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-41-7	Beryllium	3.1000	0.9000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-43-9	Cadmium	2.2000 UJ	2.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-70-2	Calcium	4,190.0000	70.1000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-47-3	Chromium	17.3000	4.5000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-48-4	Cobalt	10.1000	4.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-50-8	Copper	45.7000	11.2000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7439-89-6	Iron	19,500.0000	2.7000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7439-92-1	Lead	12.5000 J	0.9000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7439-95-4	Magnesium	1,360.0000	214.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7439-96-5	Manganese	136.0000	2.7000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7439-97-6	Mercury	0.2200 U	0.2200	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-02-0	Nickel	15.4000	13.9000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-09-7	Potassium	3,600.0000	1,000.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7782-49-2	Selenium	8.3000 J	1.3000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-22-4	Silver	4.5000 UJ	4.5000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-23-5	Sodium	659.0000	58.0000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-28-0	Thallium	1.8000 UJ	1.8000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-62-2	Vanadium	74.0000	3.1000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-006-01	7440-66-6	Zinc	35.2000	1.3000	MG/KG	05/28/93
FCAP	ASH	METALS	AB-007-01	7429-90-5	Aluminum	17,200.0000	15.7000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-36-0	Antimony	16.1000 UJ	16.1000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-38-2	Arsenic	98.9000	1.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-39-3	Barium	410.0000	0.9000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-41-7	Beryllium	2.6000	0.4500	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-43-9	Cadmium	2.2000 U	2.2000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-70-2	Calcium	4,340.0000	10.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-47-3	Chromium	18.7000	3.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-48-4	Cobalt	14.9000	3.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-50-8	Copper	53.7000	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7439-89-6	Iron	27,600.0000	18.4000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7439-92-1	Lead	14.4000	0.9000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7439-95-4	Magnesium	1,440.0000	26.4000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7439-96-5	Manganese	167.0000	0.4500	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7439-97-6	Mercury	0.3600	0.2200	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-02-0	Nickel	27.0000	7.6000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-09-7	Potassium	3,830.0000	606.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7782-49-2	Selenium	26.1000 J	1.3000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-22-4	Silver	3.1000 U	3.1000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-23-5	Sodium	598.0000	112.0000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-28-0	Thallium	1.8000 U	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-62-2	Vanadium	73.9000	2.7000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-007-01	7440-66-6	Zinc	37.3000	1.8000	MG/KG	06/01/93
FCAP	ASH	METALS	AB-008-01	7429-90-5	Aluminum	18,500.0000	15.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-36-0	Antimony	16.1000 UJ	16.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-38-2	Arsenic	100.0000	1.3000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-39-3	Barium	376.0000	0.8900	MG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	METALS	AB-008-01	7440-41-7	Beryllium	2.6000	0.4500	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-43-9	Cadmium	2.2000 U	2.2000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-70-2	Calcium	3,410.0000	10.7000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-47-3	Chromium	21.2000	3.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-48-4	Cobalt	16.2000	3.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-50-8	Copper	52.9000	1.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7439-89-6	Iron	24,300.0000	18.3000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7439-92-1	Lead	9.8000	0.8900	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7439-95-4	Magnesium	1,480.0000	26.3000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7439-96-5	Manganese	132.0000	0.4500	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7439-97-6	Mercury	0.2800	0.2200	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-02-0	Nickel	27.0000	7.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-09-7	Potassium	4,500.0000	604.0000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7782-49-2	Selenium	5.8000 J	1.3000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-22-4	Silver	3.1000 U	3.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-23-5	Sodium	613.0000	112.0000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-28-0	Thallium	1.8000 U	1.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-62-2	Vanadium	72.3000	2.7000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-008-01	7440-66-6	Zinc	42.2000	1.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7429-90-5	Aluminum	17,900.0000	12.5000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-36-0	Antimony	12.9000 UJ	12.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-38-2	Arsenic	64.9000 J	1.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-39-3	Barium	376.0000	0.7100	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-41-7	Beryllium	1.8000	0.3600	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-43-9	Cadmium	1.8000 U	1.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-70-2	Calcium	3,520.0000	8.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-47-3	Chromium	19.6000	2.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-48-4	Cobalt	19.7000 J	2.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-50-8	Copper	54.2000	1.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7439-89-6	Iron	88,200.0000	14.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7439-92-1	Lead	8.6000	0.7000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7439-95-4	Magnesium	1,550.0000	21.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7439-96-5	Manganese	288.0000	0.3600	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7439-97-6	Mercury	0.1800 U	0.1800	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-02-0	Nickel	38.7000	6.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-09-7	Potassium	4,240.0000	483.0000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7782-49-2	Selenium	5.8000 J	1.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-22-4	Silver	2.5000 U	2.5000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-23-5	Sodium	560.0000	89.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-28-0	Thallium	1.4000 U	1.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-62-2	Vanadium	32.9000 J	2.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-01	7440-66-6	Zinc	37.1000	1.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7429-90-5	Aluminum	15,700.0000	12.2000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-36-0	Antimony	12.5000 UJ	12.5000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-38-2	Arsenic	35.5000 J	1.0000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-39-3	Barium	310.0000	0.7000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-41-7	Beryllium	1.7000	0.3500	MG/KG	06/02/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FCAP	ASH	METALS	AB-009-11	7440-43-9	Cadmium	1.7000 U	1.7000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-70-2	Calcium	3,070.0000	8.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-47-3	Chromium	17.5000	2.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-48-4	Cobalt	17.0000 J	2.8000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-50-8	Copper	44.3000	1.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7439-89-6	Iron	66,200.0000	14.3000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7439-92-1	Lead	8.6000	0.7100	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7439-95-4	Magnesium	1,370.0000	20.6000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7439-96-5	Manganese	220.0000	0.3500	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7439-97-6	Mercury	0.2400	0.1700	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-02-0	Nickel	34.5000	5.9000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-09-7	Potassium	3,650.0000	471.0000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7782-49-2	Selenium	6.1000 J	1.0000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-22-4	Silver	2.4000 U	2.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-23-5	Sodium	508.0000	87.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-28-0	Thallium	1.4000 U	1.4000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-62-2	Vanadium	30.7000 J	2.1000	MG/KG	06/02/93
FCAP	ASH	METALS	AB-009-11	7440-66-6	Zinc	30.8000	1.4000	MG/KG	06/02/93
SC	ASH	METALS	SC-002-01	7429-90-5	Aluminum	14,100.0000	9.1000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-36-0	Antimony	9.4000 UJ	9.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-38-2	Arsenic	153.0000 J	21.9000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-39-3	Barium	421.0000	0.5200	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-41-7	Beryllium	1.6000	0.2600	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-43-9	Cadmium	1.3000 U	1.3000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-70-2	Calcium	4,610.0000	6.2000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-47-3	Chromium	17.1000 J	2.1000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-48-4	Cobalt	28.6000 J	2.1000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-50-8	Copper	70.1000 J	1.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7439-89-6	Iron	183,000.0000	10.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7439-92-1	Lead	10.6000	0.5200	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7439-95-4	Magnesium	940.0000	15.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7439-96-5	Manganese	245.0000	0.2600	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7439-97-6	Mercury	0.1700	0.1300	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-02-0	Nickel	39.9000	4.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-09-7	Potassium	1,920.0000	352.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7782-49-2	Selenium	3.6000 J	0.7800	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-22-4	Silver	1.8000 U	1.8000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-23-5	Sodium	342.0000	65.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-28-0	Thallium	1.0000 U	1.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-62-2	Vanadium	9.0000 J	1.6000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-01	7440-66-6	Zinc	40.0000	1.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7429-90-5	Aluminum	11,000.0000	10.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-36-0	Antimony	12.0000 UJ	12.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-38-2	Arsenic	132.0000	10.2000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-39-3	Barium	388.0000	1.3000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-41-7	Beryllium	0.9200	0.5200	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-43-9	Cadmium	1.3000 UJ	1.3000	MG/KG	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	ASH	METALS	SC-002-11	7440-70-2	Calcium	4,230.0000	40.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-47-3	Chromium	12.7000	2.6000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-48-4	Cobalt	7.0000	2.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-50-8	Copper	41.9000	6.5000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7439-89-6	Iron	72,700.0000 J	1.6000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7439-92-1	Lead	9.0000 J	0.5200	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7439-95-4	Magnesium	1,010.0000	124.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7439-96-5	Manganese	167.0000 J	1.6000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7439-97-6	Mercury	0.1600	0.1300	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-02-0	Nickel	21.0000	8.1000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-09-7	Potassium	980.0000	584.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7782-49-2	Selenium	3.8000 J	0.7800	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-22-4	Silver	2.6000 U	2.6000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-23-5	Sodium	220.0000	33.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-28-0	Thallium	1.0000 U	1.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-62-2	Vanadium	47.5000	1.8000	MG/KG	06/11/93
SC	ASH	METALS	SC-002-11	7440-66-6	Zinc	24.7000 J	0.7800	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7429-90-5	Aluminum	10,200.0000	11.5000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-36-0	Antimony	12.9000 UJ	12.9000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-38-2	Arsenic	159.0000	10.9000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-39-3	Barium	435.0000 UJ	1.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-41-7	Beryllium	1.1000	0.5600	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-43-9	Cadmium	1.4000 UJ	1.4000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-70-2	Calcium	4,180.0000	43.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-47-3	Chromium	10.0000	2.8000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-48-4	Cobalt	5.3000	2.5000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-50-8	Copper	31.1000	7.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7439-89-6	Iron	16,300.0000 J	1.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7439-92-1	Lead	17.4000 J	0.5600	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7439-95-4	Magnesium	524.0000	133.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7439-96-5	Manganese	313.0000 J	1.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7439-97-6	Mercury	0.6000	0.1400	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-02-0	Nickel	13.4000	8.7000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-09-7	Potassium	858.0000	626.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7782-49-2	Selenium	4.7000 J	0.8400	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-22-4	Silver	2.8000 U	2.8000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-23-5	Sodium	119.0000	36.1000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-28-0	Thallium	1.1000 U	1.1000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-62-2	Vanadium	34.9000	2.0000	MG/KG	06/11/93
SC	ASH	METALS	SC-004-01	7440-66-6	Zinc	27.7000	0.8400	MG/KG	06/11/93
SC	ASH	METALS	SC-007-01	7429-90-5	Aluminum	8,120.0000	13.9000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-36-0	Antimony	15.6000 UJ	15.6000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-38-2	Arsenic	88.5000	13.3000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-39-3	Barium	334.0000	1.7000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-41-7	Beryllium	1.6000	0.6800	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-43-9	Cadmium	1.7000 UJ	1.7000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-70-2	Calcium	4,920.0000	53.1000	MG/KG	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	ASH	METALS	SC-007-01	7440-47-3	Chromium	8.2000	3.4000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-48-4	Cobalt	9.0000	3.1000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-50-8	Copper	19.3000	8.5000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7439-89-6	Iron	13,200.0000 J	2.0000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7439-92-1	Lead	17.8000 J	0.6800	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7439-95-4	Magnesium	601.0000	162.0000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7439-96-5	Manganese	344.0000 J	2.0000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7439-97-6	Mercury	0.6100	0.1700	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-02-0	Nickel	16.9000	10.5000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-09-7	Potassium	760.0000 U	760.0000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7782-49-2	Selenium	2.5000 J	1.0000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-22-4	Silver	3.4000 U	3.4000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-23-5	Sodium	111.0000	43.9000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-28-0	Thallium	1.4000 U	1.4000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-62-2	Vanadium	33.1000	2.4000	MG/KG	06/15/93
SC	ASH	METALS	SC-007-01	7440-66-6	Zinc	28.2000	1.0000	MG/KG	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
FCAP	ASH	RAD	AB-001-01	12587-46-1	Alpha	30.0000 J	12.0000	pCi/g	10.0000	05/26/93
FCAP	ASH	RAD	AB-001-01	12587-47-2	Beta	36.0000 J	6.4000	pCi/g	5.4000	05/26/93
FCAP	ASH	RAD	AB-001-01	14274-82-9	Thorium-228	2.0000	0.2080	pCi/g	0.6600	05/26/93
FCAP	ASH	RAD	AB-001-01	14269-63-7	Thorium-230	4.2000	0.1040	pCi/g	0.7600	05/26/93
FCAP	ASH	RAD	AB-001-01	7440-29-1	Thorium-232	2.3000	0.0000	pCi/g	0.5600	05/26/93
FCAP	ASH	RAD	AB-001-01	13966-29-5	Uranium-234	3.5000	0.1760	pCi/g	0.5700	05/26/93
FCAP	ASH	RAD	AB-001-01	15117-96-1	Uranium-235	0.1500	0.0530	pCi/g	0.1200	05/26/93
FCAP	ASH	RAD	AB-001-01	7440-61-1	Uranium-238	3.5000	0.1060	pCi/g	0.5600	05/26/93
FCAP	ASH	RAD	AB-002-01	12587-46-1	Alpha	41.0000 J	12.0000	pCi/g	11.0000	05/27/93
FCAP	ASH	RAD	AB-002-01	12587-47-2	Beta	45.0000 J	6.5000	pCi/g	5.8000	05/27/93
FCAP	ASH	RAD	AB-002-01	14274-82-9	Thorium-228	2.6000	0.0940	pCi/g	0.5300	05/27/93
FCAP	ASH	RAD	AB-002-01	14269-63-7	Thorium-230	4.4000	0.1340	pCi/g	0.6900	05/27/93
FCAP	ASH	RAD	AB-002-01	7440-29-1	Thorium-232	2.4000	0.0000	pCi/g	0.4700	05/27/93
FCAP	ASH	RAD	AB-002-01	13966-29-5	Uranium-234	4.6000	0.1490	pCi/g	0.8200	05/27/93
FCAP	ASH	RAD	AB-002-01	15117-96-1	Uranium-235	0.3500	0.1490	pCi/g	0.2400	05/27/93
FCAP	ASH	RAD	AB-002-01	7440-61-1	Uranium-238	4.5000	0.1210	pCi/g	0.8100	05/27/93
FCAP	ASH	RAD	AB-003-01	12587-46-1	Alpha	35.0000 J	8.7000	pCi/g	9.4000	05/27/93
FCAP	ASH	RAD	AB-003-01	12587-47-2	Beta	36.0000 J	6.4000	pCi/g	5.4000	05/27/93
FCAP	ASH	RAD	AB-003-01	14274-82-9	Thorium-228	2.1000	0.1590	pCi/g	0.5600	05/27/93
FCAP	ASH	RAD	AB-003-01	14269-63-7	Thorium-230	3.7000	0.2030	pCi/g	0.7300	05/27/93
FCAP	ASH	RAD	AB-003-01	7440-29-1	Thorium-232	2.3000	0.0000	pCi/g	0.5100	05/27/93
FCAP	ASH	RAD	AB-003-01	13966-29-5	Uranium-234	4.1000	0.2440	pCi/g	0.6200	05/27/93
FCAP	ASH	RAD	AB-003-01	15117-96-1	Uranium-235	0.2200	0.0530	pCi/g	0.1400	05/27/93
FCAP	ASH	RAD	AB-003-01	7440-61-1	Uranium-238	3.8000	0.1190	pCi/g	0.5800	05/27/93
FCAP	ASH	RAD	AB-004-01	14274-82-9	Thorium-228	2.7000	0.0950	pCi/g	0.5000	06/01/93
FCAP	ASH	RAD	AB-004-01	14269-63-7	Thorium-230	5.8000	0.1500	pCi/g	0.7500	06/01/93
FCAP	ASH	RAD	AB-004-01	7440-29-1	Thorium-232	2.7000	0.0000	pCi/g	0.4900	06/01/93
FCAP	ASH	RAD	AB-004-01	13966-29-5	Uranium-234	4.7000	0.3000	pCi/g	0.7400	06/01/93
FCAP	ASH	RAD	AB-004-01	15117-96-1	Uranium-235	0.2900	0.0670	pCi/g	0.1800	06/01/93
FCAP	ASH	RAD	AB-004-01	7440-61-1	Uranium-238	4.8000	0.1500	pCi/g	0.7400	06/01/93
FCAP	ASH	RAD	AB-004-11	14274-82-9	Thorium-228	2.7000	0.1810	pCi/g	0.6300	06/01/93
FCAP	ASH	RAD	AB-004-11	14269-63-7	Thorium-230	5.2000	0.0810	pCi/g	0.7200	06/01/93
FCAP	ASH	RAD	AB-004-11	7440-29-1	Thorium-232	2.6000	0.0490	pCi/g	0.5100	06/01/93
FCAP	ASH	RAD	AB-004-11	13966-29-5	Uranium-234	4.7000	0.1990	pCi/g	0.6600	06/01/93
FCAP	ASH	RAD	AB-004-11	15117-96-1	Uranium-235	0.1400	0.0530	pCi/g	0.1100	06/01/93
FCAP	ASH	RAD	AB-004-11	7440-61-1	Uranium-238	4.7000	0.0530	pCi/g	0.6500	06/01/93
FCAP	ASH	RAD	AB-005-01	14274-82-9	Thorium-228	1.9000	0.0930	pCi/g	0.4600	05/28/93
FCAP	ASH	RAD	AB-005-01	14269-63-7	Thorium-230	3.6000	0.1870	pCi/g	0.6900	05/28/93
FCAP	ASH	RAD	AB-005-01	7440-29-1	Thorium-232	1.9000	0.0420	pCi/g	0.4400	05/28/93
FCAP	ASH	RAD	AB-005-01	13966-29-5	Uranium-234	4.1000	0.2060	pCi/g	0.6200	05/28/93
FCAP	ASH	RAD	AB-005-01	15117-96-1	Uranium-235	0.1700	0.0750	pCi/g	0.1300	05/28/93
FCAP	ASH	RAD	AB-005-01	7440-61-1	Uranium-238	4.3000	0.0920	pCi/g	0.6200	05/28/93
FCAP	ASH	RAD	AB-006-01	14274-82-9	Thorium-228	2.3000	0.1420	pCi/g	0.5100	05/28/93
FCAP	ASH	RAD	AB-006-01	14269-63-7	Thorium-230	4.0000	0.1010	pCi/g	0.5900	05/28/93
FCAP	ASH	RAD	AB-006-01	7440-29-1	Thorium-232	2.3000	0.0430	pCi/g	0.4200	05/28/93
FCAP	ASH	RAD	AB-006-01	13966-29-5	Uranium-234	2.6000	0.1370	pCi/g	0.5200	05/28/93
FCAP	ASH	RAD	AB-006-01	15117-96-1	Uranium-235	0.1400	0.1020	pCi/g	0.1100	05/28/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
FCAP	ASH	RAD	AB-006-01	7440-61-1	Uranium-238	3.7000	0.0460	pCi/g	0.5300	05/28/93
FCAP	ASH	RAD	AB-007-01	14274-82-9	Thorium-228	1.5000	0.1010	pCi/g	0.3600	06/01/93
FCAP	ASH	RAD	AB-007-01	14269-63-7	Thorium-230	3.5000	0.1670	pCi/g	0.5500	06/01/93
FCAP	ASH	RAD	AB-007-01	7440-29-1	Thorium-232	1.6000	0.0000	pCi/g	0.3600	06/01/93
FCAP	ASH	RAD	AB-007-01	13966-29-5	Uranium-234	3.6000	0.2210	pCi/g	0.6400	06/01/93
FCAP	ASH	RAD	AB-007-01	15117-96-1	Uranium-235	0.2100	0.1330	pCi/g	0.1600	06/01/93
FCAP	ASH	RAD	AB-007-01	7440-61-1	Uranium-238	3.0000	0.0940	pCi/g	0.5800	06/01/93
FCAP	ASH	RAD	AB-008-01	14274-82-9	Thorium-228	2.3000	0.1120	pCi/g	0.4200	06/02/93
FCAP	ASH	RAD	AB-008-01	14269-63-7	Thorium-230	3.0000	0.1020	pCi/g	0.4800	06/02/93
FCAP	ASH	RAD	AB-008-01	7440-29-1	Thorium-232	1.5000	0.0000	pCi/g	0.3400	06/02/93
FCAP	ASH	RAD	AB-008-01	13966-29-5	Uranium-234	3.8000	0.1180	pCi/g	0.5800	06/02/93
FCAP	ASH	RAD	AB-008-01	15117-96-1	Uranium-235	0.2500	0.0000	pCi/g	0.1500	06/02/93
FCAP	ASH	RAD	AB-008-01	7440-61-1	Uranium-238	3.2000	0.1180	pCi/g	0.5300	06/02/93
FCAP	ASH	RAD	AB-009-01	14274-82-9	Thorium-228	1.4000	0.0840	pCi/g	0.3400	06/03/93
FCAP	ASH	RAD	AB-009-01	14269-63-7	Thorium-230	2.9000	0.0690	pCi/g	0.4800	06/02/93
FCAP	ASH	RAD	AB-009-01	7440-29-1	Thorium-232	1.7000	0.0000	pCi/g	0.3700	06/03/93
FCAP	ASH	RAD	AB-009-01	13966-29-5	Uranium-234	2.7000	0.2060	pCi/g	0.5100	06/03/93
FCAP	ASH	RAD	AB-009-01	15117-96-1	Uranium-235	0.1500	0.0780	pCi/g	0.1300	06/02/93
FCAP	ASH	RAD	AB-009-01	7440-61-1	Uranium-238	2.3000	0.0550	pCi/g	0.4600	06/03/93
FCAP	ASH	RAD	AB-009-11	14274-82-9	Thorium-228	1.8000	0.1390	pCi/g	0.3900	06/02/93
FCAP	ASH	RAD	AB-009-11	14269-63-7	Thorium-230	2.6000	0.0690	pCi/g	0.4700	06/03/93
FCAP	ASH	RAD	AB-009-11	7440-29-1	Thorium-232	1.9000	0.0320	pCi/g	0.4000	06/02/93
FCAP	ASH	RAD	AB-009-11	13966-29-5	Uranium-234	2.8000	0.1040	pCi/g	0.5300	06/02/93
FCAP	ASH	RAD	AB-009-11	15117-96-1	Uranium-235	0.0720 U	0.0600	pCi/g	0.0900	06/03/93
FCAP	ASH	RAD	AB-009-11	7440-61-1	Uranium-238	2.7000	0.0850	pCi/g	0.5200	06/02/93
SC	ASH	RAD	SC-002-01	14274-82-9	Thorium-228	1.1000	0.1630	pCi/g	0.3400	06/11/93
SC	ASH	RAD	SC-002-01	14269-63-7	Thorium-230	2.9000	0.1230	pCi/g	0.5500	06/11/93
SC	ASH	RAD	SC-002-01	7440-29-1	Thorium-232	0.9700	0.0000	pCi/g	0.3200	06/11/93
SC	ASH	RAD	SC-002-01	13966-29-5	Uranium-234	3.4000	0.1370	pCi/g	0.5500	06/11/93
SC	ASH	RAD	SC-002-01	15117-96-1	Uranium-235	0.1500	0.0520	pCi/g	0.1200	06/11/93
SC	ASH	RAD	SC-002-01	7440-61-1	Uranium-238	2.6000	0.0730	pCi/g	0.4700	06/11/93
SC	ASH	RAD	SC-002-11	14274-82-9	Thorium-228	1.0000	0.1570	pCi/g	0.3100	06/11/93
SC	ASH	RAD	SC-002-11	14269-63-7	Thorium-230	2.7000	0.0520	pCi/g	0.4900	06/11/93
SC	ASH	RAD	SC-002-11	7440-29-1	Thorium-232	1.1000	0.0000	pCi/g	0.3100	06/11/93
SC	ASH	RAD	SC-002-11	13966-29-5	Uranium-234	3.6000	0.1020	pCi/g	0.5600	06/11/93
SC	ASH	RAD	SC-002-11	15117-96-1	Uranium-235	0.1600	0.0890	pCi/g	0.1300	06/11/93
SC	ASH	RAD	SC-002-11	7440-61-1	Uranium-238	3.1000	0.0890	pCi/g	0.5200	06/11/93
SC	ASH	RAD	SC-004-01	14274-82-9	Thorium-228	1.1000	0.0000	pCi/g	0.3300	06/11/93
SC	ASH	RAD	SC-004-01	14269-63-7	Thorium-230	2.7000	0.1860	pCi/g	0.5100	06/11/93
SC	ASH	RAD	SC-004-01	7440-29-1	Thorium-232	1.3000	0.0240	pCi/g	0.3500	06/11/93
SC	ASH	RAD	SC-004-01	13966-29-5	Uranium-234	4.4000	0.1910	pCi/g	0.6500	06/11/93
SC	ASH	RAD	SC-004-01	15117-96-1	Uranium-235	0.1700	0.0950	pCi/g	0.1400	06/11/93
SC	ASH	RAD	SC-004-01	7440-61-1	Uranium-238	3.3000	0.0000	pCi/g	0.5500	06/11/93
SC	ASH	RAD	SC-007-01	14274-82-9	Thorium-228	0.9700	0.1910	pCi/g	0.3400	06/15/93
SC	ASH	RAD	SC-007-01	14269-63-7	Thorium-230	2.2000 U	0.0000	pCi/g	0.4900	06/15/93
SC	ASH	RAD	SC-007-01	7440-29-1	Thorium-232	0.9500	0.0000	pCi/g	0.3200	06/15/93
SC	ASH	RAD	SC-007-01	13966-29-5	Uranium-234	3.2000	0.1030	pCi/g	0.5300	06/15/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
SC	ASH	RAD	SC-007-01	15117-96-1	Uranium-235	0.0990	0.0890	pCi/g	0.1000	06/15/93
SC	ASH	RAD	SC-007-01	7440-61-1	Uranium-238	2.1000	0.0890	pCi/g	0.4200	06/15/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
SC	GW	VOA	GW-512-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	107-06-2	1,2-Dichloroethane	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	75-01-4	Vinyl Chloride	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-512-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/09/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	SVOA	GW-512-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	117-81-7	bis(2-Ethylhexyl)Phthalate	24.0000		10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	84-66-2	Diethylphthalate	2.0000	J	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	84-74-2	Di-n-Butylphthalate	3.0000	J	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	118-74-1	Hexachlorobenzene	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	77-47-4	Hexachlorocyclopentadiene	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	UJ	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	108-95-2	Phenol	5.0000	J	10.0000	UG/L	06/09/93
SC	GW	SVOA	GW-512-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/09/93
SC	GW	VOA	GW-513-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	VOA	GW-513-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	75-09-2	Methylene Chloride	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	79-01-6	Trichloroethene	2.0000	J	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	SVOA	GW-513-01	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	108-95-2	Phenol	2.0000 J	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	VOA	GW-513-11	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-09-2	Methylene Chloride	13.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-513-11	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/11/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
SC	GW	SVOA	GW-513-11	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	100-02-7	4-Nitrophenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	84-74-2	Di-n-Butylphthalate	1.0000	J	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	108-95-2	Phenol	2.0000	J	10.0000	UG/L	06/11/93
SC	GW	SVOA	GW-513-11	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/11/93
SC	GW	VOA	GW-514-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/21/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	VOA	GW-514-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-25-2	Bromoform	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-15-0	Carbon Disulfide	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	75-01-4	Vinyl Chloride	10.0000	UJ	10.0000	UG/L	06/21/93
SC	GW	VOA	GW-514-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	51-28-5	2,4-Dinitrophenol	25.0000	UJ	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/21/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
SC	GW	SVOA	GW-514-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	108-95-2	Phenol	10.0000 U	10.0000	UG/L	06/21/93
SC	GW	SVOA	GW-514-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/21/93
UMC	GW	VOA	GW-321-01	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/14/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
UMC	GW	VOA	GW-321-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	VOA	GW-321-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	95-50-1	1,2-Dichlorobenzene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	120-82-1	1,2,4-Trichlorobenzene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	541-73-1	1,3-Dichlorobenzene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	106-46-7	1,4-Dichlorobenzene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	91-58-7	2-Chloronaphthalene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	95-57-8	2-Chlorophenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	91-57-6	2-Methylnaphthalene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	95-48-7	2-Methylphenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	88-74-4	2-Nitroaniline	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	88-75-5	2-Nitrophenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	120-83-2	2,4-Dichlorophenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	105-67-9	2,4-Dimethylphenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	51-28-5	2,4-Dinitrophenol	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	121-14-2	2,4-Dinitrotoluene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	95-95-4	2,4,5-Trichlorophenol	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	88-06-2	2,4,6-Trichlorophenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	606-20-2	2,6-Dinitrotoluene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	99-09-2	3-Nitroaniline	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	91-94-1	3,3'-Dichlorobenzidine	20.0000	U	20.0000	UG/L	06/14/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
UMC	GW	SVOA	GW-321-01	101-55-3	4-Bromophenyl-phenylether	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	59-50-7	4-Chloro-3-Methylphenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	106-47-8	4-Chloroaniline	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	7005-72-3	4-Chlorophenyl-phenylether	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	106-44-5	4-Methylphenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	100-01-6	4-Nitroaniline	50.0000	UJ	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	100-02-7	4-Nitrophenol	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	534-52-1	4,6-Dinitro-2-Methylphenol	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	83-32-9	Acenaphthene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	208-96-8	Acenaphthylene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	120-12-7	Anthracene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	56-55-3	Benzo(a)Anthracene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	50-32-8	Benzo(a)Pyrene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	205-99-2	Benzo(b)Fluoranthene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	191-24-2	Benzo(g,h,i)Perylene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	207-08-9	Benzo(k)Fluoranthene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	111-91-1	bis(2-Chloroethoxy)Methane	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	111-44-4	bis(2-Chloroethyl)Ether	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	117-81-7	bis(2-Ethylhexyl)Phthalate	77.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	85-68-7	Butylbenzylphthalate	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	86-74-8	Carbazole	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	218-01-9	Chrysene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	132-64-9	Dibenzofuran	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	53-70-3	Dibenz(a,h)Anthracene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	84-66-2	Diethylphthalate	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	131-11-3	Dimethyl Phthalate	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	84-74-2	Di-n-Butylphthalate	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	117-84-0	Di-n-Octyl Phthalate	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	206-44-0	Fluoranthene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	86-73-7	Fluorene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	118-74-1	Hexachlorobenzene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	87-68-3	Hexachlorobutadiene	20.0000	UJ	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	77-47-4	Hexachlorocyclopentadiene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	67-72-1	Hexachloroethane	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	193-39-5	Indeno(1,2,3-cd)Pyrene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	78-59-1	Isophorone	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	91-20-3	Naphthalene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	98-95-3	Nitrobenzene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	621-64-7	N-Nitroso-Di-n-Propylamine	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	86-30-6	N-Nitrosodiphenylamine	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	87-86-5	Pentachlorophenol	50.0000	U	50.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	85-01-8	Phenanthrene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	108-95-2	Phenol	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	SVOA	GW-321-01	129-00-0	Pyrene	20.0000	U	20.0000	UG/L	06/14/93
UMC	GW	VOA	GW-672-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/09/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	VOA	GW-672-01	107-06-2	1,2-Dichloroethane	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	108-10-1	4-Methyl-2-Pentanone	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-00-3	Chloroethane	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-09-2	Methylene Chloride	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	75-01-4	Vinyl Chloride	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-672-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	99-09-2	3-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/09/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	SVOA	GW-672-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000	J	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	84-74-2	Di-n-Butylphthalate	1.0000	J	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	118-74-1	Hexachlorobenzene	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	77-47-4	Hexachlorocyclopentadiene	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	UJ	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	SVOA	GW-672-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/09/93
UMC	GW	VOA	GW-673-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/17/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	VOA	GW-673-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	78-93-3	2-Butanone	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	108-10-1	4-Methyl-2-Pentanone	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-00-3	Chloroethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	74-87-3	Chloromethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-09-2	Methylene Chloride	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-673-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	88-74-4	2-Nitroaniline	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	51-28-5	2,4-Dinitrophenol	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/17/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
UMC	GW	SVOA	GW-673-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	100-01-6	4-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	100-02-7	4-Nitrophenol	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	117-84-0	Di-n-Octyl Phthalate	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	87-68-3	Hexachlorobutadiene	10.0000	UJ	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	SVOA	GW-673-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/17/93
UMC	GW	VOA	GW-674-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/16/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	VOA	GW-674-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	78-93-3	2-Butanone	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	591-78-6	2-Hexanone	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	108-10-1	4-Methyl-2-Pentanone	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	67-64-1	Acetone	10.0000	UJ	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-00-3	Chloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	74-87-3	Chloromethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-09-2	Methylene Chloride	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-674-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	91-58-7	2-Chloronaphthalene	10.0000	UJ	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	UJ	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	51-28-5	2,4-Dinitrophenol	25.0000	UJ	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/16/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
UMC	GW	SVOA	GW-674-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	100-01-6	4-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	100-02-7	4-Nitrophenol	25.0000	UJ	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	117-81-7	bis(2-Ethylhexyl)Phthalate	1.0000	J	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	SVOA	GW-674-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/16/93
UMC	GW	VOA	GW-676-01	75-34-3	1,1-Dichloroethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-35-4	1,1-Dichloroethene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	71-55-6	1,1,1-Trichloroethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	79-00-5	1,1,2-Trichloroethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000	R	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	107-06-2	1,2-Dichloroethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	540-59-0	1,2-Dichloroethene (total)	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	78-87-5	1,2-Dichloropropane	10.0000	U	10.0000	UG/L	06/18/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	VOA	GW-676-01	78-93-3	2-Butanone	10.0000	UJ	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	591-78-6	2-Hexanone	10.0000	UJ	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	108-10-1	4-Methyl-2-Pentanone	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	67-64-1	Acetone	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	71-43-2	Benzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-27-4	Bromodichloromethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-25-2	Bromoform	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	74-83-9	Bromomethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-15-0	Carbon Disulfide	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	56-23-5	Carbon Tetrachloride	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	108-90-7	Chlorobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-00-3	Chloroethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	67-66-3	Chloroform	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	74-87-3	Chloromethane	10.0000	UJ	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	10061-01-5	cis-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	124-48-1	Dibromochloromethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	100-41-4	Ethylbenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-09-2	Methylene Chloride	14.0000	UJ	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	100-42-5	Styrene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	127-18-4	Tetrachloroethene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	108-88-3	Toluene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	10061-02-6	trans-1,3-Dichloropropene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	79-01-6	Trichloroethene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	75-01-4	Vinyl Chloride	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	VOA	GW-676-01	1330-20-7	Xylene (total)	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	95-50-1	1,2-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	120-82-1	1,2,4-Trichlorobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	541-73-1	1,3-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	106-46-7	1,4-Dichlorobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	91-58-7	2-Chloronaphthalene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	95-57-8	2-Chlorophenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	91-57-6	2-Methylnaphthalene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	95-48-7	2-Methylphenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	88-74-4	2-Nitroaniline	25.0000	UJ	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	88-75-5	2-Nitrophenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	120-83-2	2,4-Dichlorophenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	105-67-9	2,4-Dimethylphenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	51-28-5	2,4-Dinitrophenol	25.0000	UJ	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	121-14-2	2,4-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	95-95-4	2,4,5-Trichlorophenol	25.0000	U	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	88-06-2	2,4,6-Trichlorophenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	606-20-2	2,6-Dinitrotoluene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	99-09-2	3-Nitroaniline	25.0000	U	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	91-94-1	3,3'-Dichlorobenzidine	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	101-55-3	4-Bromophenyl-phenylether	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	59-50-7	4-Chloro-3-Methylphenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	106-47-8	4-Chloroaniline	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000	U	10.0000	UG/L	06/18/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	SVOA	GW-676-01	106-44-5	4-Methylphenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	100-01-6	4-Nitroaniline	25.0000	U	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	100-02-7	4-Nitrophenol	25.0000	U	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000	U	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	83-32-9	Acenaphthene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	208-96-8	Acenaphthylene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	120-12-7	Anthracene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	56-55-3	Benzo(a)Anthracene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	50-32-8	Benzo(a)Pyrene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	205-99-2	Benzo(b)Fluoranthene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	191-24-2	Benzo(g,h,i)Perylene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	207-08-9	Benzo(k)Fluoranthene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000	UJ	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	85-68-7	Butylbenzylphthalate	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	86-74-8	Carbazole	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	218-01-9	Chrysene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	132-64-9	Dibenzofuran	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	53-70-3	Dibenz(a,h)Anthracene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	84-66-2	Diethylphthalate	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	131-11-3	Dimethyl Phthalate	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	84-74-2	Di-n-Butylphthalate	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	117-84-0	Di-n-Octyl Phthalate	10.0000	UJ	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	206-44-0	Fluoranthene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	86-73-7	Fluorene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	118-74-1	Hexachlorobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	87-68-3	Hexachlorobutadiene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	77-47-4	Hexachlorocyclopentadiene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	67-72-1	Hexachloroethane	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	78-59-1	Isophorone	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	91-20-3	Naphthalene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	98-95-3	Nitrobenzene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	86-30-6	N-Nitrosodiphenylamine	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	87-86-5	Pentachlorophenol	25.0000	U	25.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	85-01-8	Phenanthrene	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	108-95-2	Phenol	10.0000	U	10.0000	UG/L	06/18/93
UMC	GW	SVOA	GW-676-01	129-00-0	Pyrene	10.0000	U	10.0000	UG/L	06/18/93

Area	Media	Analysis	Sample No.	CAS No.	Analyte	Concentr/	Q	MDL	Units	Date Coll
SC	GW	METALS	GW-512-01	7429-90-5	Aluminum	4,230.0000		35.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-38-2	Arsenic	5.0000	J	3.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-39-3	Barium	33.1000		2.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-41-7	Beryllium	2.1000		1.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-70-2	Calcium	29,600.0000		24.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-50-8	Copper	8.8000		4.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7439-89-6	Iron	5,480.0000		41.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7439-92-1	Lead	8.6000		2.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7439-95-4	Magnesium	17,200.0000		59.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7439-96-5	Manganese	167.0000		1.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-09-7	Potassium	4,430.0000		1,350.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-23-5	Sodium	1,300.0000		251.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-28-0	Thallium	4.0000	U	4.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-62-2	Vanadium	12.7000		6.0000	UG/L	06/09/93
SC	GW	METALS	GW-512-01	7440-66-6	Zinc	114.0000	J	4.0000	UG/L	06/09/93
SC	GW	METALS	GW-513-01	7429-90-5	Aluminum	1,290.0000		35.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-38-2	Arsenic	3.8000		3.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-39-3	Barium	9.5000		2.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-70-2	Calcium	37,600.0000		24.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-50-8	Copper	4.2000		4.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7439-89-6	Iron	1,380.0000		41.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7439-92-1	Lead	3.1000		2.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7439-95-4	Magnesium	21,400.0000		59.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7439-96-5	Manganese	21.3000		1.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-09-7	Potassium	1,580.0000		1,350.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-23-5	Sodium	981.0000		251.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	METALS	GW-513-01	7440-66-6	Zinc	62.7000	J	4.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7429-90-5	Aluminum	2,140.0000		35.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-38-2	Arsenic	3.1000		3.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-39-3	Barium	28.4000		2.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-70-2	Calcium	37,600.0000		24.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7439-89-6	Iron	1,140.0000		41.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7439-92-1	Lead	2.7000		2.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7439-95-4	Magnesium	21,500.0000		59.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7439-96-5	Manganese	14.8000		1.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-09-7	Potassium	1,710.0000		1,350.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7782-49-2	Selenium	3.0000	U	3.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-23-5	Sodium	698.0000		251.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-28-0	Thallium	4.0000	U	4.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/11/93
SC	GW	METALS	GW-513-11	7440-66-6	Zinc	22.8000	J	4.0000	UG/L	06/11/93
SC	GW	METALS	GW-514-01	7429-90-5	Aluminum	45.1000		35.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-39-3	Barium	8.3000		2.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-70-2	Calcium	41,000.0000		24.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7439-89-6	Iron	5,920.0000		41.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7439-92-1	Lead	2.0000	UJ	2.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7439-95-4	Magnesium	21,800.0000		59.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7439-96-5	Manganese	47.3000		1.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-09-7	Potassium	1,352.0000	U	1,352.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7782-49-2	Selenium	3.0000	U	3.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-23-5	Sodium	494.0000		251.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/21/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	METALS	GW-514-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/21/93
SC	GW	METALS	GW-514-01	7440-66-6	Zinc	21.3000		4.0000	UG/L	06/21/93
UMC	GW	METALS	GW-321-01	7429-90-5	Aluminum	82.8000	U	35.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-39-3	Barium	53.1000		2.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-70-2	Calcium	26,600.0000		24.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7439-89-6	Iron	41.0000	U	41.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7439-92-1	Lead	2.0000	U	2.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7439-95-4	Magnesium	14,400.0000		59.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7439-96-5	Manganese	1.3000	J	1.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-09-7	Potassium	1,352.0000	U	1,352.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7782-49-2	Selenium	3.0000	U	3.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-23-5	Sodium	712.0000		251.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-28-0	Thallium	4.0000	U	4.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/14/93
UMC	GW	METALS	GW-321-01	7440-66-6	Zinc	51.5000	J	4.0000	UG/L	06/14/93
UMC	GW	METALS	GW-672-01	7429-90-5	Aluminum	87.8000	U	35.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-38-2	Arsenic	3.0000	UJ	3.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-39-3	Barium	55.0000		2.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-70-2	Calcium	76,400.0000		24.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7439-89-6	Iron	107.0000		41.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7439-92-1	Lead	2.0000	U	2.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7439-95-4	Magnesium	23,300.0000		59.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7439-96-5	Manganese	1,360.0000		1.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-09-7	Potassium	1,400.0000		1,350.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-23-5	Sodium	1,880.0000		251.0000	UG/L	06/09/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	METALS	GW-672-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/09/93
UMC	GW	METALS	GW-672-01	7440-66-6	Zinc	4.6000 J	4.0000	UG/L	06/09/93
UMC	GW	METALS	GW-673-01	7429-90-5	Aluminum	45.9000	35.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-39-3	Barium	186.0000	2.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-70-2	Calcium	42,600.0000	24.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7439-89-6	Iron	47.3000	41.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7439-92-1	Lead	11.7000 J	2.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7439-95-4	Magnesium	20,700.0000	59.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7439-96-5	Manganese	2.6000	1.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-23-5	Sodium	1,490.0000	251.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/17/93
UMC	GW	METALS	GW-673-01	7440-66-6	Zinc	22.8000	4.0000	UG/L	06/17/93
UMC	GW	METALS	GW-674-01	7429-90-5	Aluminum	70.9000 U	35.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-39-3	Barium	159.0000	2.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-70-2	Calcium	49,900.0000	24.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7439-95-4	Magnesium	16,100.0000	59.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7439-96-5	Manganese	331.0000	1.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-09-7	Potassium	4,010.0000	1,350.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7782-49-2	Selenium	5.8000	3.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/16/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	METALS	GW-674-01	7440-23-5	Sodium	2,100.0000		251.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/16/93
UMC	GW	METALS	GW-674-01	7440-66-6	Zinc	43.1000	J	4.0000	UG/L	06/16/93
UMC	GW	METALS	GW-676-01	7429-90-5	Aluminum	35.0000	U	35.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-38-2	Arsenic	3.0000	UJ	3.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-39-3	Barium	79.3000		2.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-70-2	Calcium	92,500.0000		24.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7439-89-6	Iron	891.0000		41.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7439-92-1	Lead	2.0000	UJ	2.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7439-95-4	Magnesium	17,800.0000		59.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7439-96-5	Manganese	680.0000		1.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-09-7	Potassium	1,352.0000	U	1,352.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7782-49-2	Selenium	3.0000	U	3.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-23-5	Sodium	5,610.0000		251.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/18/93
UMC	GW	METALS	GW-676-01	7440-66-6	Zinc	38.3000		4.0000	UG/L	06/18/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	METALS (F)	GW-512-01	7429-90-5	Aluminum	50.3000	35.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-39-3	Barium	25.6000	2.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-70-2	Calcium	32,700.0000	24.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7439-95-4	Magnesium	18,700.0000	59.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7439-96-5	Manganese	1.8000	1.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-09-7	Potassium	4,160.0000	1,352.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-23-5	Sodium	1,130.0000	251.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-512-01	7440-66-6	Zinc	5.7000	4.0000	UG/L	06/09/93
SC	GW	METALS (F)	GW-513-01	7429-90-5	Aluminum	50.6000	35.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-39-3	Barium	8.2000	2.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-70-2	Calcium	41,000.0000	24.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7439-95-4	Magnesium	23,700.0000	59.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7439-96-5	Manganese	1.0000 U	1.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-23-5	Sodium	775.0000	251.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-01	7440-66-6	Zinc	4.0000 U	4.0000	UG/L	06/11/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
SC	GW	METALS (F)	GW-513-11	7429-90-5	Aluminum	61.4000		35.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-39-3	Barium	8.0000		2.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-70-2	Calcium	39,900.0000		24.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7439-89-6	Iron	41.0000	U	41.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7439-92-1	Lead	2.0000	UJ	2.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7439-95-4	Magnesium	23,200.0000		59.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7439-96-5	Manganese	1.2000		1.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7439-97-6	Mercury	0.3000		0.2000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-09-7	Potassium	1,580.0000		1,352.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-23-5	Sodium	847.0000		251.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-513-11	7440-66-6	Zinc	4.0000	U	4.0000	UG/L	06/11/93
SC	GW	METALS (F)	GW-514-01	7429-90-5	Aluminum	65.3000		35.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-39-3	Barium	6.0000		2.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-70-2	Calcium	43,300.0000		24.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7439-89-6	Iron	41.0000	U	41.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7439-92-1	Lead	2.0000	U	2.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7439-95-4	Magnesium	23,800.0000		59.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7439-96-5	Manganese	38.0000		1.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-09-7	Potassium	1,352.0000	U	1,352.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-23-5	Sodium	793.0000		251.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/21/93
SC	GW	METALS (F)	GW-514-01	7440-66-6	Zinc	4.0000	U	4.0000	UG/L	06/21/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	METALS (F)	GW-321-01	7429-90-5	Aluminum	67.1000	35.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-39-3	Barium	56.9000	2.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-70-2	Calcium	28,400.0000	24.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7439-95-4	Magnesium	15,700.0000	59.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7439-96-5	Manganese	3.8000	1.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-23-5	Sodium	891.0000	251.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-321-01	7440-66-6	Zinc	29.1000	4.0000	UG/L	06/14/93
UMC	GW	METALS (F)	GW-672-01	7429-90-5	Aluminum	72.8000	35.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-39-3	Barium	46.3000	2.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-70-2	Calcium	81,500.0000	24.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-50-8	Copper	4.3000	4.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7439-95-4	Magnesium	24,700.0000	59.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7439-96-5	Manganese	925.0000	1.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-09-7	Potassium	1,640.0000	1,352.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-23-5	Sodium	2,120.0000	251.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/09/93
UMC	GW	METALS (F)	GW-672-01	7440-66-6	Zinc	4.0000 U	4.0000	UG/L	06/09/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	METALS (F)	GW-673-01	7429-90-5	Aluminum	69.9000		35.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-39-3	Barium	186.0000		2.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-70-2	Calcium	43,500.0000		24.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7439-89-6	Iron	41.0000	U	41.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7439-92-1	Lead	2.0000	UJ	2.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7439-95-4	Magnesium	21,900.0000		59.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7439-96-5	Manganese	2.2000		1.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-09-7	Potassium	2,190.0000		1,352.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-23-5	Sodium	1,730.0000		251.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-673-01	7440-66-6	Zinc	8.1000		4.0000	UG/L	06/17/93
UMC	GW	METALS (F)	GW-674-01	7429-90-5	Aluminum	54.9000		35.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-39-3	Barium	168.0000		2.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-70-2	Calcium	53,900.0000		24.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7439-89-6	Iron	41.0000	U	41.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7439-92-1	Lead	2.0000	UJ	2.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7439-95-4	Magnesium	17,000.0000		59.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7439-96-5	Manganese	423.0000		1.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-09-7	Potassium	4,220.0000		1,352.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7782-49-2	Selenium	7.1000	J	3.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-23-5	Sodium	2,590.0000		251.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-28-0	Thallium	4.0000	UJ	4.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/16/93
UMC	GW	METALS (F)	GW-674-01	7440-66-6	Zinc	23.1000		4.0000	UG/L	06/16/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
UMC	GW	METALS (F)	GW-676-01	7429-90-5	Aluminum	50.1000		35.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-36-0	Antimony	36.0000 U		36.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-38-2	Arsenic	3.0000 U		3.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-39-3	Barium	77.2000		2.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-41-7	Beryllium	1.0000 U		1.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-43-9	Cadmium	5.0000 U		5.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-70-2	Calcium	91,700.0000		24.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-47-3	Chromium	8.0000 U		8.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-48-4	Cobalt	8.0000 U		8.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-50-8	Copper	4.0000 U		4.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7439-89-6	Iron	521.0000		41.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7439-92-1	Lead	2.0000 UJ		2.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7439-95-4	Magnesium	18,000.0000		59.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7439-96-5	Manganese	675.0000		1.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7439-97-6	Mercury	0.2000 U		0.2000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-02-0	Nickel	17.0000 U		17.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-09-7	Potassium	1,530.0000		1,352.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7782-49-2	Selenium	3.0000 UJ		3.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-22-4	Silver	7.0000 U		7.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-23-5	Sodium	5,820.0000		251.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-28-0	Thallium	4.0000 UJ		4.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-62-2	Vanadium	6.0000 U		6.0000 UG/L	06/18/93
UMC	GW	METALS (F)	GW-676-01	7440-66-6	Zinc	4.0000 U		4.0000 UG/L	06/18/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc./Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
UMC	GW	RAD	GW-321-01	12587-46-1	Alpha	7.2000 J	6.6000	pCi/L	4.1000	06/14/93
UMC	GW	RAD	GW-321-01	12587-47-2	Beta	6.8000	5.7000	pCi/L	3.5000	06/14/93
UMC	GW	RAD	GW-321-01	14274-82-9	Thorium-228	0.0090 U	0.0820	pCi/L	0.0440	06/14/93
UMC	GW	RAD	GW-321-01	14269-63-7	Thorium-230	0.2600 UJ	0.0270	pCi/L	0.1100	06/14/93
UMC	GW	RAD	GW-321-01	7440-29-1	Thorium-232	-0.0050 U	0.0000	pCi/L	0.0060	06/14/93
UMC	GW	RAD	GW-321-01	13966-29-5	Uranium-234	0.3200	0.0710	pCi/L	0.1400	06/14/93
UMC	GW	RAD	GW-321-01	15117-96-1	Uranium-235	0.0500 U	0.0620	pCi/L	0.0630	06/14/93
UMC	GW	RAD	GW-321-01	7440-61-1	Uranium-238	0.0000 U	0.0000	pCi/L	0.0000	06/14/93
SC	GW	RAD	GW-512-01	12587-46-1	Alpha	9.1000	6.6000	pCi/L	5.1000	06/09/93
SC	GW	RAD	GW-512-01	12587-47-2	Beta	12.0000	5.7000	pCi/L	3.9000	06/09/93
SC	GW	RAD	GW-512-01	14274-82-9	Thorium-228	0.3200	0.0890	pCi/L	0.1300	06/09/93
SC	GW	RAD	GW-512-01	14269-63-7	Thorium-230	0.6500 UJ	0.0540	pCi/L	0.1700	06/09/93
SC	GW	RAD	GW-512-01	7440-29-1	Thorium-232	0.2200	0.0000	pCi/L	0.1000	06/09/93
SC	GW	RAD	GW-512-01	13966-29-5	Uranium-234	0.2200	0.0980	pCi/L	0.1100	06/09/93
SC	GW	RAD	GW-512-01	15117-96-1	Uranium-235	0.0050 U	0.0370	pCi/L	0.0240	06/09/93
SC	GW	RAD	GW-512-01	7440-61-1	Uranium-238	0.1700	0.0260	pCi/L	0.0870	06/09/93
SC	GW	RAD	GW-513-01	12587-46-1	Alpha	2.0000 UJ	5.2000	pCi/L	3.7000	06/11/93
SC	GW	RAD	GW-513-01	12587-47-2	Beta	1.6000 U	5.9000	pCi/L	0.0290	06/11/93
SC	GW	RAD	GW-513-01	14274-82-9	Thorium-228	0.0090 U	0.0330	pCi/L	0.1500	06/11/93
SC	GW	RAD	GW-513-01	14269-63-7	Thorium-230	0.3700 UJ	0.1180	pCi/L	0.0850	06/11/93
SC	GW	RAD	GW-513-01	7440-29-1	Thorium-232	0.0410 U	0.0330	pCi/L	3.4000	06/11/93
SC	GW	RAD	GW-513-01	13966-29-5	Uranium-234	0.2300	0.1370	pCi/L	0.0290	06/11/93
SC	GW	RAD	GW-513-01	15117-96-1	Uranium-235	0.0180 U	0.0590	pCi/L	0.0240	06/11/93
SC	GW	RAD	GW-513-01	7440-61-1	Uranium-238	0.0810	0.0480	pCi/L	0.0430	06/11/93
SC	GW	RAD	GW-513-11	12587-46-1	Alpha	3.5000 UJ	5.6000	pCi/L	3.5000	06/11/93
SC	GW	RAD	GW-513-11	12587-47-2	Beta	4.3000 U	5.8000	pCi/L	0.1500	06/11/93
SC	GW	RAD	GW-513-11	14274-82-9	Thorium-228	-0.0090 U	0.0740	pCi/L	0.0490	06/11/93
SC	GW	RAD	GW-513-11	14269-63-7	Thorium-230	0.2800 UJ	0.0000	pCi/L	0.0380	06/11/93
SC	GW	RAD	GW-513-11	7440-29-1	Thorium-232	0.0140 U	0.0250	pCi/L	3.3000	06/11/93
SC	GW	RAD	GW-513-11	13966-29-5	Uranium-234	0.3000	0.0440	pCi/L	0.1200	06/11/93
SC	GW	RAD	GW-513-11	15117-96-1	Uranium-235	0.0180 U	0.0000	pCi/L	0.1300	06/11/93
SC	GW	RAD	GW-513-11	7440-61-1	Uranium-238	0.0900	0.0440	pCi/L	0.0730	06/11/93
SC	GW	RAD	GW-514-01	12587-46-1	Alpha	-1.8000 U	4.4000	pCi/L	2.2000	06/21/93
SC	GW	RAD	GW-514-01	12587-47-2	Beta	2.3000 U	3.0000	pCi/L	1.8000	06/21/93
SC	GW	RAD	GW-514-01	14274-82-9	Thorium-228	0.0050 U	0.0750	pCi/L	0.0380	06/21/93
SC	GW	RAD	GW-514-01	14269-63-7	Thorium-230	0.3800 UJ	0.0490	pCi/L	0.1400	06/21/93
SC	GW	RAD	GW-514-01	7440-29-1	Thorium-232	0.0090 U	0.0000	pCi/L	0.0250	06/21/93
SC	GW	RAD	GW-514-01	13966-29-5	Uranium-234	0.2000	0.0830	pCi/L	0.1100	06/21/93
SC	GW	RAD	GW-514-01	15117-96-1	Uranium-235	0.0140 U	0.0000	pCi/L	0.0270	06/21/93
SC	GW	RAD	GW-514-01	7440-61-1	Uranium-238	0.1600	0.0450	pCi/L	0.0940	06/21/93
UMC	GW	RAD	GW-672-01	12587-46-1	Alpha	1.6000 U	5.7000	pCi/L	3.5000	06/09/93
UMC	GW	RAD	GW-672-01	12587-47-2	Beta	-0.5200 U	6.0000	pCi/L	3.4000	06/09/93
UMC	GW	RAD	GW-672-01	14274-82-9	Thorium-228	0.0090 U	0.0550	pCi/L	0.0320	06/09/93
UMC	GW	RAD	GW-672-01	14269-63-7	Thorium-230	0.1400 UJ	0.0810	pCi/L	0.0830	06/09/93
UMC	GW	RAD	GW-672-01	7440-29-1	Thorium-232	0.0090 U	0.0730	pCi/L	0.0210	06/09/93
UMC	GW	RAD	GW-672-01	13966-29-5	Uranium-234	0.4400	0.1260	pCi/L	0.2100	06/09/93
UMC	GW	RAD	GW-672-01	15117-96-1	Uranium-235	0.0500 U	0.0000	pCi/L	0.0690	06/09/93

<u>Area</u>	<u>Media</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Conc./Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
UMC	GW	RAD	GW-672-01	7440-61-1	Uranium-238	0.3200	0.1260	pCi/L	0.1800	06/09/93
UMC	GW	RAD	GW-673-01	12587-46-1	Alpha	3.2000 U	3.6000	pCi/L	2.6000	06/17/93
UMC	GW	RAD	GW-673-01	12587-47-2	Beta	4.9000	2.9000	pCi/L	1.9000	06/17/93
UMC	GW	RAD	GW-673-01	14274-82-9	Thorium-228	0.0140 U	0.0700	pCi/L	0.0390	06/17/93
UMC	GW	RAD	GW-673-01	14269-63-7	Thorium-230	0.2200 UJ	0.0550	pCi/L	0.1000	06/17/93
UMC	GW	RAD	GW-673-01	7440-29-1	Thorium-232	0.0090 U	0.0000	pCi/L	0.0210	06/17/93
UMC	GW	RAD	GW-673-01	13966-29-5	Uranium-234	0.9800	0.1020	pCi/L	0.2500	06/17/93
UMC	GW	RAD	GW-673-01	15117-96-1	Uranium-235	0.0540	0.0630	pCi/L	0.0630	06/17/93
UMC	GW	RAD	GW-673-01	7440-61-1	Uranium-238	0.4400	0.0880	pCi/L	0.1700	06/17/93
UMC	GW	RAD	GW-674-01	12587-46-1	Alpha	0.6500 U	5.6000	pCi/L	3.3000	06/16/93
UMC	GW	RAD	GW-674-01	12587-47-2	Beta	4.8000 U	5.4000	pCi/L	3.4000	06/16/93
UMC	GW	RAD	GW-674-01	14274-82-9	Thorium-228	0.0180 U	0.2350	pCi/L	0.0270	06/16/93
UMC	GW	RAD	GW-674-01	14269-63-7	Thorium-230	0.1600 UJ	0.0990	pCi/L	0.0850	06/16/93
UMC	GW	RAD	GW-674-01	7440-29-1	Thorium-232	-0.0050 U	0.0990	pCi/L	0.0040	06/16/93
UMC	GW	RAD	GW-674-01	13966-29-5	Uranium-234	0.2200	0.0220	pCi/L	0.1800	06/16/93
UMC	GW	RAD	GW-674-01	15117-96-1	Uranium-235	0.0590 U	0.0780	pCi/L	0.0870	06/16/93
UMC	GW	RAD	GW-674-01	7440-61-1	Uranium-238	0.1100	0.0000	pCi/L	0.1100	06/16/93
UMC	GW	RAD	GW-676-01	12587-46-1	Alpha	-0.8700 U	5.5000	pCi/L	3.0000	06/18/93
UMC	GW	RAD	GW-676-01	12587-47-2	Beta	0.0800 U	3.3000	pCi/L	1.9000	06/18/93
UMC	GW	RAD	GW-676-01	14274-82-9	Thorium-228	-0.0140 U	0.1650	pCi/L	0.0120	06/18/93
UMC	GW	RAD	GW-676-01	14269-63-7	Thorium-230	0.3900 UJ	0.0430	pCi/L	0.1400	06/18/93
UMC	GW	RAD	GW-676-01	7440-29-1	Thorium-232	0.0270 U	0.0300	pCi/L	0.0350	06/18/93
UMC	GW	RAD	GW-676-01	13966-29-5	Uranium-234	0.3500	0.0570	pCi/L	0.1500	06/18/93
UMC	GW	RAD	GW-676-01	15117-96-1	Uranium-235	0.0180 U	0.0570	pCi/L	0.0380	06/18/93
UMC	GW	RAD	GW-676-01	7440-61-1	Uranium-238	0.1900	0.0890	pCi/L	0.1000	06/18/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	SVOA	AB-002-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	51-28-5	2,4-Dinitrophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	99-09-2	3-Nitroaniline	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 R		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	106-47-8	4-Chloroaniline	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	106-44-5	4-Methylphenol	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	AB-002-EB	108-95-2	Phenol	1.0000 J		10.0000 UG/L	05/27/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	SVOA	AB-002-EB	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	107-06-2	1,2-Dichloroethane	10.0000 UJ	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	108-10-1	4-Methyl-2-Pentanone	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	67-64-1	Acetone	66.0000 UJ	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-27-4	Bromodichloromethane	4.0000 J	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	67-66-3	Chloroform	26.0000	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	AB-002-EB	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	AB-007-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	AB-007-EB	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	AB-007-EB	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 UJ		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	87-68-3	Hexachlorobutadiene	10.0000 UJ		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 UJ		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	108-95-2	Phenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	AB-007-EB	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-27-4	Bromodichloromethane	5.0000 J		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	67-66-3	Chloroform	24.0000		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	VOA	AB-007-EB	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
EB	VOA	AB-007-EB	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	GW-674-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	88-74-4	2-Nitroaniline	25.0000 UJ		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 UJ		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	51-28-5	2,4-Dinitrophenol	25.0000 UJ		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	1.0000 J		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	06/15/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	GW-674-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	87-86-5	Pentachlorophenol	25.0000 U		25.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	108-95-2	Phenol	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	GW-674-EB	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-27-4	Bromodichloromethane	3.0000 J		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	67-66-3	Chloroform	24.0000		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/15/93
EB	VOA	GW-674-EB	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/15/93
EB	SVOA	SC-007-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	88-74-4	2-Nitroaniline	25.0000 UJ		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 UJ		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	51-28-5	2,4-Dinitrophenol	25.0000 UJ		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	99-09-2	3-Nitroaniline	25.0000 UJ		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	06/14/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	SC-007-EB	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 UJ		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	108-95-2	Phenol	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SC-007-EB	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	06/14/93
EB	SVOA	SD-001-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	120-83-2	2,4-Dichlorophenol	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	51-28-5	2,4-Dinitrophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	99-09-2	3-Nitroaniline	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 R		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	106-47-8	4-Chloroaniline	10.0000 UJ		10.0000 UG/L	05/27/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	SD-001-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 J		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	4.0000 J		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	108-95-2	Phenol	3.0000 J		10.0000 UG/L	05/27/93
EB	SVOA	SD-001-EB	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	67-64-1	Acetone	21.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	71-43-2	Benzene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	75-27-4	Bromodichloromethane	4.0000 J		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	67-66-3	Chloroform	27.0000		10.0000 UG/L	05/27/93
EB	VOA	SD-001-EB	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	05/27/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	VOA	SD-001-EB	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/27/93
EB	VOA	SD-001-EB	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SD-003-EC	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	85-68-7	Butylbenzylphthalate	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SD-003-EC	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	SD-003-EC	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	108-95-2	Phenol	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SD-003-EC	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	67-64-1	Acetone	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	71-43-2	Benzene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-09-2	Methylene Chloride	7.0000 UJ		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	07/29/93
EB	VOA	SD-003-EC	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SO-001-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	06/01/93
EB	SVOA	SO-001-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	SVOA	SO-001-EB	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 UJ	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	84-66-2	Diethylphthalate	3.0000 J	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	84-74-2	Di-n-Butylphthalate	1.0000 J	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	87-68-3	Hexachlorobutadiene	10.0000 UJ	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 UJ	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	87-86-5	Pentachlorophenol	25.0000 UJ	25.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	108-95-2	Phenol	10.0000 U	10.0000	UG/L	06/01/93
EB	SVOA	SO-001-EB	129-00-0	Pyrene	10.0000 J	10.0000	UG/L	06/01/93
EB	SVOA	SO-010-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	88-74-4	2-Nitroaniline	25.0000 UJ	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 UJ	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	05/28/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	SO-010-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	106-47-8	4-Chloroaniline	10.0000 UJ	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 J	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 UJ	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	108-95-2	Phenol	10.0000 BJ	10.0000	UG/L	05/28/93
EB	SVOA	SO-010-EB	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	107-06-2	1,2-Dichloroethane	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-27-4	Bromodichloromethane	4.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/28/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	VOA	SO-010-EB	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-00-3	Chloroethane	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	67-66-3	Chloroform	26.0000	25.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-09-2	Methylene Chloride	18.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	75-01-4	Vinyl Chloride	10.0000 UJ	10.0000	UG/L	05/28/93
EB	VOA	SO-010-EB	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/28/93
EB	SVOA	SW-002-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	51-28-5	2,4-Dinitrophenol	25.0000 UJ	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	106-44-5	4-Methylphenol	10.0000 UJ	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	05/27/93
EB	SVOA	SW-002-EB	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	05/27/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	SW-002-EB	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	108-95-2	Phenol	2.0000 J		10.0000 UG/L	05/27/93
EB	SVOA	SW-002-EB	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	67-64-1	Acetone	19.0000 J		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	71-43-2	Benzene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-27-4	Bromodichloromethane	4.0000 J		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	67-66-3	Chloroform	25.0000		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	100-42-5	Styrene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	108-88-3	Toluene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	05/27/93
EB	VOA	SW-002-EB	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	05/27/93
EB	SVOA	SW-003-EC	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	88-74-4	2-Nitroaniline	25.0000 UJ		25.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	88-75-5	2-Nitrophenol	10.0000 UJ		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	07/29/93
EB	SVOA	SW-003-EC	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
EB	SVOA	SW-003-EC	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	100-01-6	4-Nitroaniline	25.0000 UJ	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	85-68-7	Butylbenzylphthalate	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	108-95-2	Phenol	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-003-EC	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	VOA	SW-003-EC	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	71-43-2	Benzene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-09-2	Methylene Chloride	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	100-42-5	Styrene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	108-88-3	Toluene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	07/29/93
EB	VOA	SW-003-EC	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	07/29/93
EB	SVOA	SW-005-EB	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	88-74-4	2-Nitroaniline	25.0000 UJ	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 UJ	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/04/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
EB	SVOA	SW-005-EB	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 UJ	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	108-95-2	Phenol	10.0000 U	10.0000	UG/L	06/04/93
EB	SVOA	SW-005-EB	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/04/93
FB	SVOA	FB-DIW-01	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	88-74-4	2-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	100-01-6	4-Nitroaniline	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	100-02-7	4-Nitrophenol	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	207-08-9	Benzo(k)Fluoranthene	10.0000 UJ	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	117-81-7	bis(2-Ethylhexyl)Phthalate	1.0000 J	10.0000	UG/L	06/01/93
FB	SVOA	FB-DIW-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	SVOA	FB-DIW-01	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	84-74-2	Di-n-Butylphthalate	11.0000		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	87-68-3	Hexachlorobutadiene	10.0000 UJ		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	77-47-4	Hexachlorocyclopentadiene	10.0000 UJ		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	108-95-2	Phenol	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-01	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	67-66-3	Chloroform	1.0000 J		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	108-88-3	Toluene	2.0000 J		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
FB	VOA	FB-DIW-01	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/01/93
FB	SVOA	FB-DIW-02	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	SVOA	FB-DIW-02	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	88-74-4	2-Nitroaniline	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	59-50-7	4-Chloro-3-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	100-01-6	4-Nitroaniline	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	85-68-7	Butylbenzylphthalate	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	87-86-5	Pentachlorophenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	108-95-2	Phenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-DIW-02	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	07/29/93

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QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	VOA	FB-DIW-02	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	71-43-2	Benzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-09-2	Methylene Chloride	3.0000 J		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-DIW-02	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-01	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 UJ		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	06/02/93
FB	SVOA	FB-HPL-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	06/02/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	SVOA	FB-HPL-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 UJ	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	87-68-3	Hexachlorobutadiene	10.0000 UJ	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	87-86-5	Pentachlorophenol	25.0000 U	25.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	108-95-2	Phenol	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	71-43-2	Benzene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-27-4	Bromodichloromethane	4.0000 J	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-00-3	Chloroethane	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	67-66-3	Chloroform	24.0000	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	100-42-5	Styrene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	108-88-3	Toluene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	75-01-4	Vinyl Chloride	10.0000 UJ	10.0000	UG/L	06/02/93
FB	VOA	FB-HPL-01	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	06/02/93
FB	SVOA	FB-HPL-02	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	SVOA	FB-HPL-02	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	88-74-4	2-Nitroaniline	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	59-50-7	4-Chloro-3-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	100-01-6	4-Nitroaniline	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	85-68-7	Butylbenzylphthalate	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	108-95-2	Phenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-HPL-02	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	VOA	FB-HPL-02	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	71-43-2	Benzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-HPL-02	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-POT-01	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	120-82-1	1,2,4-Trichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	106-46-7	1,4-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	95-57-8	2-Chlorophenol	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	120-83-2	2,4-Dichlorophenol	10.0000 UJ		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	121-14-2	2,4-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	88-06-2	2,4,6-Trichlorophenol	5.0000 J		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	59-50-7	4-Chloro-3-Methylphenol	10.0000 R		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	106-47-8	4-Chloroaniline	10.0000 UJ		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	100-01-6	4-Nitroaniline	25.0000 UJ		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	100-02-7	4-Nitrophenol	25.0000 UJ		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	83-32-9	Acenaphthene	10.0000 U		10.0000 UG/L	05/26/93
FB	SVOA	FB-POT-01	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	05/26/93

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Chestnut Ridge OU-2 FCAP Phase 2 RI

Quality Control Samples, Organics, p. 23

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
FB	SVOA	FB-POT-01	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	84-66-2	Diethylphthalate	1.0000 J	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	84-74-2	Di-n-Butylphthalate	4.0000 J	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 UJ	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	87-86-5	Pentachlorophenol	25.0000 UJ	25.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	108-95-2	Phenol	3.0000 J	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-01	129-00-0	Pyrene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	107-06-2	1,2-Dichloroethane	10.0000 UJ	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	67-64-1	Acetone	36.0000 UJ	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-27-4	Bromodichloromethane	7.0000 J	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	67-66-3	Chloroform	25.0000	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	124-48-1	Dibromochloromethane	1.0000 J	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	108-88-3	Toluene	10.0000 UJ	10.0000	UG/L	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	VOA	FB-POT-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/26/93
FB	VOA	FB-POT-01	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/26/93
FB	SVOA	FB-POT-02	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	120-82-1	1,2,4-Trichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	541-73-1	1,3-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	106-46-7	1,4-Dichlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	91-58-7	2-Chloronaphthalene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	95-57-8	2-Chlorophenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	91-57-6	2-Methylnaphthalene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	95-48-7	2-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	88-74-4	2-Nitroaniline	25.0000 UJ	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	88-75-5	2-Nitrophenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	120-83-2	2,4-Dichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	105-67-9	2,4-Dimethylphenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	51-28-5	2,4-Dinitrophenol	25.0000 U	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	121-14-2	2,4-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	95-95-4	2,4,5-Trichlorophenol	25.0000 U	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	88-06-2	2,4,6-Trichlorophenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	606-20-2	2,6-Dinitrotoluene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	99-09-2	3-Nitroaniline	25.0000 U	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	91-94-1	3,3'-Dichlorobenzidine	10.0000 UJ	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	101-55-3	4-Bromophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	59-50-7	4-Chloro-3-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	106-47-8	4-Chloroaniline	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	106-44-5	4-Methylphenol	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	100-01-6	4-Nitroaniline	25.0000 UJ	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	100-02-7	4-Nitrophenol	25.0000 UJ	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U	25.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	83-32-9	Acenaphthene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	208-96-8	Acenaphthylene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	120-12-7	Anthracene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	117-81-7	bis(2-Ethylhexyl)Phthalate	3.0000 UJ	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	85-68-7	Butylbenzylphthalate	10.0000 UJ	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	131-11-3	Dimethyl Phthalate	1.0000 J	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	117-84-0	Di-n-Octyl Phthalate	10.0000 UJ	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	07/29/93
FB	SVOA	FB-POT-02	621-64-7	N-Nitroso-Di-n-Propylamine	10.0000 U	10.0000	UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
FB	SVOA	FB-POT-02	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-POT-02	87-86-5	Pentachlorophenol	25.0000 UJ		25.0000 UG/L	07/29/93
FB	SVOA	FB-POT-02	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-POT-02	108-95-2	Phenol	10.0000 U		10.0000 UG/L	07/29/93
FB	SVOA	FB-POT-02	129-00-0	Pyrene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	540-59-0	1,2-Dichloroethene (total)	3.0000 J		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	71-43-2	Benzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-27-4	Bromodichloromethane	5.0000 J		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	67-66-3	Chloroform	18.0000		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-09-2	Methylene Chloride	6.0000 J		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	79-01-6	Trichloroethene	28.0000		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	07/29/93
FB	VOA	FB-POT-02	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	07/29/93
MS/D	VOA	AB-008-01MS	75-34-3	1,1-Dichloroethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	75-35-4	1,1-Dichloroethene	87.0000		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	71-55-6	1,1,1-Trichloroethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	79-00-5	1,1,2-Trichloroethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	79-34-5	1,1,2,2-Tetrachloroethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	107-06-2	1,2-Dichloroethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	540-59-0	1,2-Dichloroethene (total)	150.0000		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	78-87-5	1,2-Dichloropropane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	78-93-3	2-Butanone	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	591-78-6	2-Hexanone	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	108-10-1	4-Methyl-2-Pentanone	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	67-64-1	Acetone	37.0000 B		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	71-43-2	Benzene	150.0000		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	75-27-4	Bromodichloromethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	75-25-2	Bromoform	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	74-83-9	Bromomethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	75-15-0	Carbon Disulfide	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	56-23-5	Carbon Tetrachloride	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	108-90-7	Chlorobenzene	110.0000		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	75-00-3	Chloroethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	67-66-3	Chloroform	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	74-87-3	Chloromethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	10061-01-5	cis-1,3-Dichloropropene	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	124-48-1	Dibromochloromethane	22.0000 U		22.0000 UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	100-41-4	Ethylbenzene	22.0000 U		22.0000 UG/KG	06/02/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	VOA	AB-008-01MS	75-09-2	Methylene Chloride	60.0000 B	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	100-42-5	Styrene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	127-18-4	Tetrachloroethene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	108-88-3	Toluene	170.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	10061-02-6	trans-1,3-Dichloropropene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	79-01-6	Trichloroethene	150.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	75-01-4	Vinyl Chloride	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MS	1330-20-7	Xylene (total)	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-34-3	1,1-Dichloroethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-35-4	1,1-Dichloroethene	71.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	71-55-6	1,1,1-Trichloroethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	79-00-5	1,1,2-Trichloroethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	79-34-5	1,1,2,2-Tetrachloroethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	107-06-2	1,2-Dichloroethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	540-59-0	1,2-Dichloroethene (total)	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	78-87-5	1,2-Dichloropropane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	78-93-3	2-Butanone	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	591-78-6	2-Hexanone	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	108-10-1	4-Methyl-2-Pentanone	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	67-64-1	Acetone	65.0000 B	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	71-43-2	Benzene	170.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-27-4	Bromodichloromethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-25-2	Bromoform	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	74-83-9	Bromomethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-15-0	Carbon Disulfide	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	56-23-5	Carbon Tetrachloride	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	108-90-7	Chlorobenzene	110.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-00-3	Chloroethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	67-66-3	Chloroform	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	74-87-3	Chloromethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	10061-01-5	cis-1,3-Dichloropropene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	124-48-1	Dibromochloromethane	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	100-41-4	Ethylbenzene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-09-2	Methylene Chloride	38.0000 B	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	100-42-5	Styrene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	127-18-4	Tetrachloroethene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	108-88-3	Toluene	180.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	10061-02-6	trans-1,3-Dichloropropene	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	79-01-6	Trichloroethene	170.0000	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	75-01-4	Vinyl Chloride	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	AB-008-01MSD	1330-20-7	Xylene (total)	22.0000 U	22.0000	UG/KG	06/02/93
MS/D	VOA	GW-321-01MS	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-35-4	1,1-Dichloroethene	40.0000	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	108-10-1	4-Methyl-2-Pentanone	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	67-64-1	Acetone	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	71-43-2	Benzene	38.0000	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	108-90-7	Chlorobenzene	41.0000	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	06/14/93
MS/D	VOA	GW-321-01MS	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	06/14/93

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QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr / Q	MDL	Units	Date Coll
MS/D	VOA	GW-321-01MS	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-09-2	Methylene Chloride	5.0000 BJ		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	108-88-3	Toluene	41.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	79-01-6	Trichloroethene	40.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MS	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-35-4	1,1-Dichloroethene	38.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	67-64-1	Acetone	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	71-43-2	Benzene	36.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	108-90-7	Chlorobenzene	40.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-09-2	Methylene Chloride	11.0000 B		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	108-88-3	Toluene	38.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	79-01-6	Trichloroethene	40.0000		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-321-01MSD	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/14/93
MS/D	VOA	GW-674-01MS	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	75-35-4	1,1-Dichloroethene	45.0000		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	67-64-1	Acetone	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	71-43-2	Benzene	43.0000		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/16/93
MS/D	VOA	GW-674-01MS	108-90-7	Chlorobenzene	46.0000		10.0000 UG/L	06/16/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
MS/D	VOA	GW-674-01MS	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	75-09-2	Methylene Chloride	1.0000 BJ	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	100-42-5	Styrene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	108-88-3	Toluene	45.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	79-01-6	Trichloroethene	41.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MS	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-35-4	1,1-Dichloroethene	49.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	108-10-1	4-Methyl-2-Pentanone	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	67-64-1	Acetone	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	71-43-2	Benzene	44.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	108-90-7	Chlorobenzene	47.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-09-2	Methylene Chloride	2.0000 BJ	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	100-42-5	Styrene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	108-88-3	Toluene	46.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	79-01-6	Trichloroethene	41.0000	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	06/16/93
MS/D	VOA	GW-674-01MSD	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	06/16/93
MS/D	SVOA	SC-007-01MS	95-50-1	1,2-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	120-82-1	1,2,4-Trichlorobenzene	2,400.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	541-73-1	1,3-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	106-46-7	1,4-Dichlorobenzene	2,000.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	91-58-7	2-Chloronaphthalene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	95-57-8	2-Chlorophenol	3,400.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	91-57-6	2-Methylnaphthalene	56.0000 J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	95-48-7	2-Methylphenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	88-74-4	2-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	88-75-5	2-Nitrophenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	120-83-2	2,4-Dichlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	105-67-9	2,4-Dimethylphenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	51-28-5	2,4-Dinitrophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	121-14-2	2,4-Dinitrotoluene	2,600.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	95-95-4	2,4,5-Trichlorophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
MS/D	SVOA	SC-007-01MS	88-06-2	2,4,6-Trichlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	606-20-2	2,6-Dinitrotoluene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	99-09-2	3-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	91-94-1	3,3'-Dichlorobenzidine	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	101-55-3	4-Bromophenyl-phenylether	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	59-50-7	4-Chloro-3-Methylphenol	3,700.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	106-47-8	4-Chloroaniline	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	7005-72-3	4-Chlorophenyl-phenylether	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	106-44-5	4-Methylphenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	100-01-6	4-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	100-02-7	4-Nitrophenol	4,200.0000	2,800.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	534-52-1	4,6-Dinitro-2-Methylphenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	83-32-9	Acenaphthene	2,500.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	208-96-8	Acenaphthylene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	120-12-7	Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	56-55-3	Benzo(a)Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	50-32-8	Benzo(a)Pyrene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	205-99-2	Benzo(b)Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	191-24-2	Benzo(g,h,i)Perylene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	207-08-9	Benzo(k)Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	111-91-1	bis(2-Chloroethoxy)Methane	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	111-44-4	bis(2-Chloroethyl)Ether	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	117-81-7	bis(2-Ethylhexyl)Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	85-68-7	Butylbenzylphthalate	120.0000 B.J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	86-74-8	Carbazole	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	218-01-9	Chrysene	56.0000 J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	132-64-9	Dibenzofuran	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	53-70-3	Dibenz(a,h)Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	84-66-2	Diethylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	131-11-3	Dimethyl Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	84-74-2	Di-n-Butylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	117-84-0	Di-n-Octyl Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	206-44-0	Fluoranthene	150.0000 J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	86-73-7	Fluorene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	118-74-1	Hexachlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	87-68-3	Hexachlorobutadiene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	77-47-4	Hexachlorocyclopentadiene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	67-72-1	Hexachloroethane	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	193-39-5	Indeno(1,2,3-cd)Pyrene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	78-59-1	Isophorone	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	91-20-3	Naphthalene	58.0000 J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	98-95-3	Nitrobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	621-64-7	N-Nitroso-Di-n-Propylamine	2,300.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	86-30-6	N-Nitrosodiphenylamine	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	87-86-5	Pentachlorophenol	4,300.0000	2,800.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	85-01-8	Phenanthrene	160.0000 J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	108-95-2	Phenol	3,400.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MS	129-00-0	Pyrene	2,500.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	95-50-1	1,2-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	120-82-1	1,2,4-Trichlorobenzene	2,800.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	541-73-1	1,3-Dichlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	106-46-7	1,4-Dichlorobenzene	2,400.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	91-58-7	2-Chloronaphthalene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	95-57-8	2-Chlorophenol	4,000.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	91-57-6	2-Methylnaphthalene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	95-48-7	2-Methylphenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	88-74-4	2-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	88-75-5	2-Nitrophenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	120-83-2	2,4-Dichlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	105-67-9	2,4-Dimethylphenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	51-28-5	2,4-Dinitrophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	121-14-2	2,4-Dinitrotoluene	3,000.0000	550.0000	UG/KG	06/15/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr./Q	MDL	Units	Date Coll
MS/D	SVOA	SC-007-01MSD	95-95-4	2,4,5-Trichlorophenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	88-06-2	2,4,6-Trichlorophenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	606-20-2	2,6-Dinitrotoluene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	99-09-2	3-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	91-94-1	3,3'-Dichlorobenzidine	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	101-55-3	4-Bromophenyl-phenylether	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	59-50-7	4-Chloro-3-Methylphenol	4,300.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	106-47-8	4-Chloroaniline	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	7005-72-3	4-Chlorophenyl-phenylether	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	106-44-5	4-Methylphenol	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	100-01-6	4-Nitroaniline	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	100-02-7	4-Nitrophenol	5,100.0000 E	2,800.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	534-52-1	4,6-Dinitro-2-Methylphenol	1,300.0000 U	1,300.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	83-32-9	Acenaphthene	2,800.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	208-96-8	Acenaphthylene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	120-12-7	Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	56-55-3	Benzo(a)Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	50-32-8	Benzo(a)Pyrene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	205-99-2	Benzo(b)Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	191-24-2	Benzo(g,h,i)Perylene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	207-08-9	Benzo(k)Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	111-91-1	bis(2-Chloroethoxy)Methane	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	111-44-4	bis(2-Chloroethyl)Ether	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	77.0000 J	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	85-68-7	Butylbenzylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	86-74-8	Carbazole	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	218-01-9	Chrysene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	132-64-9	Dibenzofuran	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	53-70-3	Dibenz(a,h)Anthracene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	84-66-2	Diethylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	131-11-3	Dimethyl Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	84-74-2	Di-n-Butylphthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	117-84-0	Di-n-Octyl Phthalate	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	206-44-0	Fluoranthene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	86-73-7	Fluorene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	118-74-1	Hexachlorobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	87-68-3	Hexachlorobutadiene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	77-47-4	Hexachlorocyclopentadiene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	67-72-1	Hexachloroethane	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	78-59-1	Isophorone	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	91-20-3	Naphthalene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	98-95-3	Nitrobenzene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	621-64-7	N-Nitroso-Di-n-Propylamine	2,900.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	86-30-6	N-Nitrosodiphenylamine	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	87-86-5	Pentachlorophenol	4,400.0000	2,800.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	85-01-8	Phenanthrene	550.0000 U	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	108-95-2	Phenol	4,000.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SC-007-01MSD	129-00-0	Pyrene	2,600.0000	550.0000	UG/KG	06/15/93
MS/D	SVOA	SD-003-01MS	95-50-1	1,2-Dichlorobenzene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	120-82-1	1,2,4-Trichlorobenzene	3,600.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	541-73-1	1,3-Dichlorobenzene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	106-46-7	1,4-Dichlorobenzene	3,200.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	91-58-7	2-Chloronaphthalene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	95-57-8	2-Chlorophenol	4,700.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	91-57-6	2-Methylnaphthalene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	95-48-7	2-Methylphenol	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	88-75-5	2-Nitrophenol	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	120-83-2	2,4-Dichlorophenol	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	105-67-9	2,4-Dimethylphenol	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SD-003-01MS	121-14-2	2,4-Dinitrotoluene	3,900.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	88-06-2	2,4,6-Trichlorophenol	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	606-20-2	2,6-Dinitrotoluene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	91-94-1	3,3'-Dichlorobenzidine	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	101-55-3	4-Bromophenyl-phenylether	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	59-50-7	4-Chloro-3-Methylphenol	6,400.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	106-47-8	4-Chloroaniline	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	7005-72-3	4-Chlorophenyl-phenylether	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	106-44-5	4-Methylphenol	170.0000 J	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	100-02-7	4-Nitrophenol	6,700.0000	4,400.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	83-32-9	Acenaphthene	3,800.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	208-96-8	Acenaphthylene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	120-12-7	Anthracene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	56-55-3	Benzo(a)Anthracene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	50-32-8	Benzo(a)Pyrene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	205-99-2	Benzo(b)Fluoranthene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	191-24-2	Benzo(g,h,i)Perylene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	207-08-9	Benzo(k)Fluoranthene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	111-91-1	bis(2-Chloroethoxy)Methane	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	111-44-4	bis(2-Chloroethyl)Ether	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	117-81-7	bis(2-Ethylhexyl)Phthalate	130.0000 B.J	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	85-68-7	Butylbenzylphthalate	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	86-74-8	Carbazole	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	218-01-9	Chrysene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	132-64-9	Dibenzofuran	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	53-70-3	Dibenz(a,h)Anthracene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	84-66-2	Diethylphthalate	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	131-11-3	Dimethyl Phthalate	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	84-74-2	Di-n-Butylphthalate	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	117-84-0	Di-n-Octyl Phthalate	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	206-44-0	Fluoranthene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	86-73-7	Fluorene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	118-74-1	Hexachlorobenzene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	87-68-3	Hexachlorobutadiene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	77-47-4	Hexachlorocyclopentadiene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	67-72-1	Hexachloroethane	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	193-39-5	Indeno(1,2,3-cd)Pyrene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	78-59-1	Isophorone	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	91-20-3	Naphthalene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	98-95-3	Nitrobenzene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	621-64-7	N-Nitroso-Di-n-Propylamine	4,100.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	86-30-6	N-Nitrosodiphenylamine	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	87-86-5	Pentachlorophenol	6,300.0000	4,400.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	85-01-8	Phenanthrene	850.0000 U	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	108-95-2	Phenol	4,900.0000	850.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MS	129-00-0	Pyrene	3,700.0000	850.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-34-3	1,1-Dichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-35-4	1,1-Dichloroethene	200.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	71-55-6	1,1,1-Trichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	79-00-5	1,1,2-Trichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	79-34-5	1,1,2,2-Tetrachloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	107-06-2	1,2-Dichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	540-59-0	1,2-Dichloroethene (total)	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	78-87-5	1,2-Dichloropropane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	78-93-3	2-Butanone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	591-78-6	2-Hexanone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	108-10-1	4-Methyl-2-Pentanone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	67-64-1	Acetone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	71-43-2	Benzene	210.0000	42.0000	UG/KG	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	VOA	SD-003-01MS	75-27-4	Bromodichloromethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-25-2	Bromoform	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	74-83-9	Bromomethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-15-0	Carbon Disulfide	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	56-23-5	Carbon Tetrachloride	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	108-90-7	Chlorobenzene	190.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-00-3	Chloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	67-66-3	Chloroform	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	74-87-3	Chloromethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	10061-01-5	cis-1,3-Dichloropropene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	124-48-1	Dibromochloromethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	100-41-4	Ethylbenzene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-09-2	Methylene Chloride	27.0000 BJ	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	100-42-5	Styrene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	127-18-4	Tetrachloroethene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	108-88-3	Toluene	200.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	10061-02-6	trans-1,3-Dichloropropene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	79-01-6	Trichloroethene	210.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	75-01-4	Vinyl Chloride	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MS	1330-20-7	Xylene (total)	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	95-50-1	1,2-Dichlorobenzene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	120-82-1	1,2,4-Trichlorobenzene	3,400.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	541-73-1	1,3-Dichlorobenzene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	106-46-7	1,4-Dichlorobenzene	2,800.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	91-58-7	2-Chloronaphthalene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	95-57-8	2-Chlorophenol	4,600.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	91-57-6	2-Methylnaphthalene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	95-48-7	2-Methylphenol	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	88-75-5	2-Nitrophenol	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	120-83-2	2,4-Dichlorophenol	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	105-67-9	2,4-Dimethylphenol	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	121-14-2	2,4-Dinitrotoluene	3,700.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	88-06-2	2,4,6-Trichlorophenol	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	606-20-2	2,6-Dinitrotoluene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	91-94-1	3,3'-Dichlorobenzidine	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	101-55-3	4-Bromophenyl-phenylether	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	59-50-7	4-Chloro-3-Methylphenol	6,300.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	106-47-8	4-Chloroaniline	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	7005-72-3	4-Chlorophenyl-phenylether	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	106-44-5	4-Methylphenol	160.0000 J	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	100-02-7	4-Nitrophenol	6,700.0000	4,400.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	83-32-9	Acenaphthene	3,700.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	208-96-8	Acenaphthylene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	120-12-7	Anthracene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	56-55-3	Benzo(a)Anthracene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	50-32-8	Benzo(a)Pyrene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	205-99-2	Benzo(b)Fluoranthene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	191-24-2	Benzo(g,h,i)Perylene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	207-08-9	Benzo(k)Fluoranthene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	111-91-1	bis(2-Chloroethoxy)Methane	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	111-44-4	bis(2-Chloroethyl)Ether	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	120.0000 BJ	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	85-68-7	Butylbenzylphthalate	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	86-74-8	Carbazole	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	218-01-9	Chrysene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	132-64-9	Dibenzofuran	870.0000 U	870.0000	UG/KG	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SD-003-01MSD	53-70-3	Dibenz(a,h)Anthracene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	84-66-2	Diethylphthalate	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	131-11-3	Dimethyl Phthalate	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	84-74-2	Di-n-Butylphthalate	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	117-84-0	Di-n-Octyl Phthalate	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	206-44-0	Fluoranthene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	86-73-7	Fluorene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	118-74-1	Hexachlorobenzene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	87-68-3	Hexachlorobutadiene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	77-47-4	Hexachlorocyclopentadiene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	67-72-1	Hexachloroethane	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	78-59-1	Isophorone	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	91-20-3	Naphthalene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	98-95-3	Nitrobenzene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	621-64-7	N-Nitroso-Di-n-Propylamine	3,800.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	86-30-6	N-Nitrosodiphenylamine	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	87-86-5	Pentachlorophenol	6,600.0000	4,400.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	85-01-8	Phenanthrene	870.0000 U	870.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	108-95-2	Phenol	4,900.0000	860.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-01MSD	129-00-0	Pyrene	3,700.0000	860.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-34-3	1,1-Dichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-35-4	1,1-Dichloroethene	200.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	71-55-6	1,1,1-Trichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	79-00-5	1,1,2-Trichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	79-34-5	1,1,2,2-Tetrachloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	107-06-2	1,2-Dichloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	540-59-0	1,2-Dichloroethene (total)	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	78-87-5	1,2-Dichloropropane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	78-93-3	2-Butanone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	591-78-6	2-Hexanone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	108-10-1	4-Methyl-2-Pentanone	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	67-64-1	Acetone	37.0000 B.J	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	71-43-2	Benzene	200.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-27-4	Bromodichloromethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-25-2	Bromoform	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	74-83-9	Bromomethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-15-0	Carbon Disulfide	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	56-23-5	Carbon Tetrachloride	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	108-90-7	Chlorobenzene	190.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-00-3	Chloroethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	67-66-3	Chloroform	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	74-87-3	Chloromethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	10061-01-5	cis-1,3-Dichloropropene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	124-48-1	Dibromochloromethane	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	100-41-4	Ethylbenzene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-09-2	Methylene Chloride	21.0000 B.J	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	100-42-5	Styrene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	127-18-4	Tetrachloroethene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	108-88-3	Toluene	200.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	10061-02-6	trans-1,3-Dichloropropene	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	79-01-6	Trichloroethene	190.0000	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	75-01-4	Vinyl Chloride	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	VOA	SD-003-01MSD	1330-20-7	Xylene (total)	42.0000 U	42.0000	UG/KG	05/26/93
MS/D	SVOA	SD-003-02MS	95-50-1	1,2-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	120-82-1	1,2,4-Trichlorobenzene	4,000.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	541-73-1	1,3-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	106-46-7	1,4-Dichlorobenzene	3,100.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	91-58-7	2-Chloronaphthalene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	95-57-8	2-Chlorophenol	5,200.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	91-57-6	2-Methylnaphthalene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	95-48-7	2-Methylphenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SD-003-02MS	88-75-5	2-Nitrophenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	120-83-2	2,4-Dichlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	105-67-9	2,4-Dimethylphenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	121-14-2	2,4-Dinitrotoluene	3,600.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	88-06-2	2,4,6-Trichlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	606-20-2	2,6-Dinitrotoluene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	91-94-1	3,3'-Dichlorobenzidine	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	101-55-3	4-Bromophenyl-phenylether	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	59-50-7	4-Chloro-3-Methylphenol	6,900.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	106-47-8	4-Chloroaniline	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	7005-72-3	4-Chlorophenyl-phenylether	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	106-44-5	4-Methylphenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	100-02-7	4-Nitrophenol	6,200.0000	4,600.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	83-32-9	Acenaphthene	3,800.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	208-96-8	Acenaphthylene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	120-12-7	Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	56-55-3	Benzo(a)Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	50-32-8	Benzo(a)Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	205-99-2	Benzo(b)Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	191-24-2	Benzo(g,h,i)Perylene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	207-08-9	Benzo(k)Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	111-91-1	bis(2-Chloroethoxy)Methane	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	111-44-4	bis(2-Chloroethyl)Ether	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	117-81-7	bis(2-Ethylhexyl)Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	85-68-7	Butylbenzylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	86-74-8	Carbazole	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	218-01-9	Chrysene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	132-64-9	Dibenzofuran	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	53-70-3	Dibenz(a,h)Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	84-66-2	Diethylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	131-11-3	Dimethyl Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	84-74-2	Di-n-Butylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	117-84-0	Di-n-Octyl Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	206-44-0	Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	86-73-7	Fluorene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	118-74-1	Hexachlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	87-68-3	Hexachlorobutadiene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	77-47-4	Hexachlorocyclopentadiene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	67-72-1	Hexachloroethane	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	193-39-5	Indeno(1,2,3-cd)Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	78-59-1	Isophorone	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	91-20-3	Naphthalene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	98-95-3	Nitrobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	621-64-7	N-Nitroso-Di-n-Propylamine	3,500.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	86-30-6	N-Nitrosodiphenylamine	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	87-86-5	Pentachlorophenol	7,800.0000 E	4,600.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	85-01-8	Phenanthrene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	108-95-2	Phenol	5,200.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MS	129-00-0	Pyrene	3,000.0000	890.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-34-3	1,1-Dichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-35-4	1,1-Dichloroethene	160.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	71-55-6	1,1,1-Trichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	79-00-5	1,1,2-Trichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	79-34-5	1,1,2,2-Tetrachloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	107-06-2	1,2-Dichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	540-59-0	1,2-Dichloroethene (total)	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	78-87-5	1,2-Dichloropropane	27.0000 U	27.0000	UG/KG	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	VOA	SD-003-02MS	78-93-3	2-Butanone	19.0000 J	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	591-78-6	2-Hexanone	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	108-10-1	4-Methyl-2-Pentanone	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	67-64-1	Acetone	110.0000 B	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	71-43-2	Benzene	170.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-27-4	Bromodichloromethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-25-2	Bromoform	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	74-83-9	Bromomethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-15-0	Carbon Disulfide	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	56-23-5	Carbon Tetrachloride	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	108-90-7	Chlorobenzene	150.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-00-3	Chloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	67-66-3	Chloroform	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	74-87-3	Chloromethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	10061-01-5	cis-1,3-Dichloropropene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	124-48-1	Dibromochloromethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	100-41-4	Ethylbenzene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-09-2	Methylene Chloride	79.0000 B	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	100-42-5	Styrene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	127-18-4	Tetrachloroethene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	108-88-3	Toluene	150.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	10061-02-6	trans-1,3-Dichloropropene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	79-01-6	Trichloroethene	160.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	75-01-4	Vinyl Chloride	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MS	1330-20-7	Xylene (total)	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	95-50-1	1,2-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	120-82-1	1,2,4-Trichlorobenzene	4,100.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	541-73-1	1,3-Dichlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	106-46-7	1,4-Dichlorobenzene	3,200.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	91-58-7	2-Chloronaphthalene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	95-57-8	2-Chlorophenol	5,300.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	91-57-6	2-Methylnaphthalene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	95-48-7	2-Methylphenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	88-75-5	2-Nitrophenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	120-83-2	2,4-Dichlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	105-67-9	2,4-Dimethylphenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	121-14-2	2,4-Dinitrotoluene	3,500.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	88-06-2	2,4,6-Trichlorophenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	606-20-2	2,6-Dinitrotoluene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	91-94-1	3,3'-Dichlorobenzidine	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	101-55-3	4-Bromophenyl-phenylether	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	59-50-7	4-Chloro-3-Methylphenol	6,900.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	106-47-8	4-Chloroaniline	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	7005-72-3	4-Chlorophenyl-phenylether	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	106-44-5	4-Methylphenol	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	100-02-7	4-Nitrophenol	6,100.0000	4,600.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	83-32-9	Acenaphthene	3,700.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	208-96-8	Acenaphthylene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	120-12-7	Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	56-55-3	Benzo(a)Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	50-32-8	Benzo(a)Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	205-99-2	Benzo(b)Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	191-24-2	Benzo(g,h,i)Perylene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	207-08-9	Benzo(k)Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	111-91-1	bis(2-Chloroethoxy)Methane	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	111-44-4	bis(2-Chloroethyl)Ether	890.0000 U	890.0000	UG/KG	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
MS/D	SVOA	SD-003-02MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	120.0000 J	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	85-68-7	Butylbenzylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	86-74-8	Carbazole	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	218-01-9	Chrysene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	132-64-9	Dibenzofuran	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	53-70-3	Dibenz(a,h)Anthracene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	84-66-2	Diethylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	131-11-3	Dimethyl Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	84-74-2	Di-n-Butylphthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	117-84-0	Di-n-Octyl Phthalate	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	206-44-0	Fluoranthene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	86-73-7	Fluorene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	118-74-1	Hexachlorobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	87-68-3	Hexachlorobutadiene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	77-47-4	Hexachlorocyclopentadiene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	67-72-1	Hexachloroethane	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	78-59-1	Isophorone	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	91-20-3	Naphthalene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	98-95-3	Nitrobenzene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	621-64-7	N-Nitroso-Di-n-Propylamine	3,700.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	86-30-6	N-Nitrosodiphenylamine	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	87-86-5	Pentachlorophenol	7,400.0000 E	4,600.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	85-01-8	Phenanthrene	890.0000 U	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	108-95-2	Phenol	5,400.0000	890.0000	UG/KG	07/29/93
MS/D	SVOA	SD-003-02MSD	129-00-0	Pyrene	2,900.0000	890.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-34-3	1,1-Dichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-35-4	1,1-Dichloroethene	150.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	71-55-6	1,1,1-Trichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	79-00-5	1,1,2-Trichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	79-34-5	1,1,2,2-Tetrachloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	107-06-2	1,2-Dichloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	540-59-0	1,2-Dichloroethene (total)	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	78-87-5	1,2-Dichloropropane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	78-93-3	2-Butanone	41.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	591-78-6	2-Hexanone	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	108-10-1	4-Methyl-2-Pentanone	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	67-64-1	Acetone	200.0000 B	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	71-43-2	Benzene	160.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-27-4	Bromodichloromethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-25-2	Bromoform	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	74-83-9	Bromomethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-15-0	Carbon Disulfide	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	56-23-5	Carbon Tetrachloride	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	108-90-7	Chlorobenzene	150.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-00-3	Chloroethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	67-66-3	Chloroform	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	74-87-3	Chloromethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	10061-01-5	cis-1,3-Dichloropropene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	124-48-1	Dibromochloromethane	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	100-41-4	Ethylbenzene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-09-2	Methylene Chloride	73.0000 B	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	100-42-5	Styrene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	127-18-4	Tetrachloroethene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	108-88-3	Toluene	150.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	10061-02-6	trans-1,3-Dichloropropene	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	79-01-6	Trichloroethene	150.0000	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	75-01-4	Vinyl Chloride	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	VOA	SD-003-02MSD	1330-20-7	Xylene (total)	27.0000 U	27.0000	UG/KG	07/29/93
MS/D	SVOA	SO-004-01MS	95-50-1	1,2-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	120-82-1	1,2,4-Trichlorobenzene	3,600.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	541-73-1	1,3-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	106-46-7	1,4-Dichlorobenzene	3,200.0000	860.0000	UG/KG	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SO-004-01MS	91-58-7	2-Chloronaphthalene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	95-57-8	2-Chlorophenol	4,400.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	91-57-6	2-Methylnaphthalene	100.0000 J	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	95-48-7	2-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	88-75-5	2-Nitrophenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	120-83-2	2,4-Dichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	105-67-9	2,4-Dimethylphenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	121-14-2	2,4-Dinitrotoluene	2,900.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	88-06-2	2,4,6-Trichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	606-20-2	2,6-Dinitrotoluene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	91-94-1	3,3'-Dichlorobenzidine	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	101-55-3	4-Bromophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	59-50-7	4-Chloro-3-Methylphenol	5,100.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	106-47-8	4-Chloroaniline	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	7005-72-3	4-Chlorophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	106-44-5	4-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	100-02-7	4-Nitrophenol	3,500.0000	4,400.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	83-32-9	Acenaphthene	3,300.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	208-96-8	Acenaphthylene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	120-12-7	Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	56-55-3	Benzo(a)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	50-32-8	Benzo(a)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	205-99-2	Benzo(b)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	191-24-2	Benzo(g,h,i)Perylene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	207-08-9	Benzo(k)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	111-91-1	bis(2-Chloroethoxy)Methane	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	111-44-4	bis(2-Chloroethyl)Ether	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	117-81-7	bis(2-Ethylhexyl)Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	85-68-7	Butylbenzylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	86-74-8	Carbazole	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	218-01-9	Chrysene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	132-64-9	Dibenzofuran	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	53-70-3	Dibenz(a,h)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	84-66-2	Diethylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	131-11-3	Dimethyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	84-74-2	Di-n-Butylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	117-84-0	Di-n-Octyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	206-44-0	Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	86-73-7	Fluorene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	118-74-1	Hexachlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	87-68-3	Hexachlorobutadiene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	77-47-4	Hexachlorocyclopentadiene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	67-72-1	Hexachloroethane	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	193-39-5	Indeno(1,2,3-cd)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	78-59-1	Isophorone	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	91-20-3	Naphthalene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	98-95-3	Nitrobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	621-64-7	N-Nitroso-Di-n-Propylamine	3,200.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	86-30-6	N-Nitrosodiphenylamine	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	87-86-5	Pentachlorophenol	3,700.0000	4,400.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	85-01-8	Phenanthrene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	108-95-2	Phenol	4,400.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MS	129-00-0	Pyrene	2,200.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	95-50-1	1,2-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	120-82-1	1,2,4-Trichlorobenzene	4,400.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	541-73-1	1,3-Dichlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr./Q	MDL	Units	Date Coll
MS/D	SVOA	SO-004-01MSD	106-46-7	1,4-Dichlorobenzene	3,900.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	91-58-7	2-Chloronaphthalene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	95-57-8	2-Chlorophenol	5,000.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	91-57-6	2-Methylnaphthalene	140.0000 J	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	95-48-7	2-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	88-74-4	2-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	88-75-5	2-Nitrophenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	120-83-2	2,4-Dichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	105-67-9	2,4-Dimethylphenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	51-28-5	2,4-Dinitrophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	121-14-2	2,4-Dinitrotoluene	3,800.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	95-95-4	2,4,5-Trichlorophenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	88-06-2	2,4,6-Trichlorophenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	606-20-2	2,6-Dinitrotoluene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	99-09-2	3-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	91-94-1	3,3'-Dichlorobenzidine	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	101-55-3	4-Bromophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	59-50-7	4-Chloro-3-Methylphenol	6,500.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	106-47-8	4-Chloroaniline	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	7005-72-3	4-Chlorophenyl-phenylether	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	106-44-5	4-Methylphenol	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	100-01-6	4-Nitroaniline	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	100-02-7	4-Nitrophenol	4,600.0000	4,400.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	534-52-1	4,6-Dinitro-2-Methylphenol	2,100.0000 U	2,100.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	83-32-9	Acenaphthene	4,100.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	208-96-8	Acenaphthylene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	120-12-7	Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	56-55-3	Benzo(a)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	50-32-8	Benzo(a)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	205-99-2	Benzo(b)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	191-24-2	Benzo(g,h,i)Perylene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	207-08-9	Benzo(k)Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	111-91-1	bis(2-Chloroethoxy)Methane	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	111-44-4	bis(2-Chloroethyl)Ether	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	85-68-7	Butylbenzylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	86-74-8	Carbazole	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	218-01-9	Chrysene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	132-64-9	Dibenzofuran	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	53-70-3	Dibenz(a,h)Anthracene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	84-66-2	Diethylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	131-11-3	Dimethyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	84-74-2	Di-n-Butylphthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	117-84-0	Di-n-Octyl Phthalate	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	206-44-0	Fluoranthene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	86-73-7	Fluorene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	118-74-1	Hexachlorobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	87-68-3	Hexachlorobutadiene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	77-47-4	Hexachlorocyclopentadiene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	67-72-1	Hexachloroethane	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	78-59-1	Isophorone	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	91-20-3	Naphthalene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	98-95-3	Nitrobenzene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	621-64-7	N-Nitroso-Di-n-Propylamine	4,000.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	86-30-6	N-Nitrosodiphenylamine	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	87-86-5	Pentachlorophenol	5,000.0000	4,400.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	85-01-8	Phenanthrene	860.0000 U	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	108-95-2	Phenol	5,400.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SO-004-01MSD	129-00-0	Pyrene	2,900.0000	860.0000	UG/KG	06/01/93
MS/D	SVOA	SW-003-01MS	95-50-1	1,2-Dichlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	120-82-1	1,2,4-Trichlorobenzene	43.0000	10.0000	UG/L	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
MS/D	SVOA	SW-003-01MS	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	106-46-7	1,4-Dichlorobenzene	30.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	95-57-8	2-Chlorophenol	67.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	121-14-2	2,4-Dinitrotoluene	45.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	59-50-7	4-Chloro-3-Methylphenol	77.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	100-02-7	4-Nitrophenol	75.0000		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	83-32-9	Acenaphthene	44.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	117-81-7	bis(2-Ethylhexyl)Phthalate	3.0000 J		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	84-66-2	Diethylphthalate	2.0000 J		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	84-74-2	Di-n-Butylphthalate	1.0000 J		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	621-64-7	N-Nitroso-Di-n-Propylamine	35.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	87-86-5	Pentachlorophenol	82.0000 E		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	108-95-2	Phenol	74.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MS	129-00-0	Pyrene	45.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
MS/D	VOA	SW-003-01MS	75-35-4	1,1-Dichloroethene	60.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	67-64-1	Acetone	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	71-43-2	Benzene	55.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	108-90-7	Chlorobenzene	54.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-09-2	Methylene Chloride	1.0000 BJ		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	100-42-5	Styrene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	108-88-3	Toluene	54.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	79-01-6	Trichloroethene	53.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MS	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	120-82-1	1,2,4-Trichlorobenzene	40.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	106-46-7	1,4-Dichlorobenzene	26.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	95-57-8	2-Chlorophenol	63.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	121-14-2	2,4-Dinitrotoluene	44.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	59-50-7	4-Chloro-3-Methylphenol	81.0000 E		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	100-02-7	4-Nitrophenol	78.0000		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	83-32-9	Acenaphthene	41.0000		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SW-003-01MSD	56-55-3	Benzo(a)Anthracene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	50-32-8	Benzo(a)Pyrene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	205-99-2	Benzo(b)Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	191-24-2	Benzo(g,h,i)Perylene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	207-08-9	Benzo(k)Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	2.0000 J	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	85-68-7	Butylbenzylphthalate	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	86-74-8	Carbazole	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	218-01-9	Chrysene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	132-64-9	Dibenzofuran	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	53-70-3	Dibenz(a,h)Anthracene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	84-66-2	Diethylphthalate	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	131-11-3	Dimethyl Phthalate	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	84-74-2	Di-n-Butylphthalate	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	117-84-0	Di-n-Octyl Phthalate	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	206-44-0	Fluoranthene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	86-73-7	Fluorene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	118-74-1	Hexachlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	87-68-3	Hexachlorobutadiene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	77-47-4	Hexachlorocyclopentadiene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	67-72-1	Hexachloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	78-59-1	Isophorone	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	91-20-3	Naphthalene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	98-95-3	Nitrobenzene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	621-64-7	N-Nitroso-Di-n-Propylamine	33.0000	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	86-30-6	N-Nitrosodiphenylamine	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	87-86-5	Pentachlorophenol	82.0000 E	25.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	85-01-8	Phenanthrene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	108-95-2	Phenol	64.0000	10.0000	UG/L	05/26/93
MS/D	SVOA	SW-003-01MSD	129-00-0	Pyrene	43.0000	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-35-4	1,1-Dichloroethene	56.0000	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	108-10-1	4-Methyl-2-Pentanone	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	67-64-1	Acetone	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	71-43-2	Benzene	51.0000	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	108-90-7	Chlorobenzene	52.0000	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-09-2	Methylene Chloride	2.0000 BJ	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	108-88-3	Toluene	51.0000	10.0000	UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	VOA	SW-003-01MSD	79-01-6	Trichloroethene	50.0000		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	05/26/93
MS/D	VOA	SW-003-01MSD	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	05/26/93
MS/D	SVOA	SW-009-01MS	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	120-82-1	1,2,4-Trichlorobenzene	32.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	106-46-7	1,4-Dichlorobenzene	29.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	95-57-8	2-Chlorophenol	55.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	121-14-2	2,4-Dinitrotoluene	40.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	59-50-7	4-Chloro-3-Methylphenol	71.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	100-02-7	4-Nitrophenol	58.0000		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	83-32-9	Acenaphthene	39.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	621-64-7	N-Nitroso-Di-n-Propylamine	36.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	06/03/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SW-009-01MS	87-86-5	Pentachlorophenol	65.0000		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	108-95-2	Phenol	57.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MS	129-00-0	Pyrene	42.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	120-82-1	1,2,4-Trichlorobenzene	28.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	106-46-7	1,4-Dichlorobenzene	26.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	95-57-8	2-Chlorophenol	50.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	121-14-2	2,4-Dinitrotoluene	35.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	59-50-7	4-Chloro-3-Methylphenol	63.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	100-02-7	4-Nitrophenol	51.0000		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	83-32-9	Acenaphthene	34.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	84-66-2	Diethylphthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	84-74-2	Di-n-Butylphthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	621-64-7	N-Nitroso-Di-n-Propylamine	35.0000		10.0000 UG/L	06/03/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr./Q	MDL	Units	Date Coll
MS/D	SVOA	SW-009-01MSD	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	87-86-5	Pentachlorophenol	56.0000		25.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	108-95-2	Phenol	52.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-009-01MSD	129-00-0	Pyrene	37.0000		10.0000 UG/L	06/03/93
MS/D	SVOA	SW-012-12MS	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	120-82-1	1,2,4-Trichlorobenzene	27.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	106-46-7	1,4-Dichlorobenzene	27.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	95-57-8	2-Chlorophenol	60.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	121-14-2	2,4-Dinitrotoluene	33.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	59-50-7	4-Chloro-3-Methylphenol	67.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	100-02-7	4-Nitrophenol	53.0000		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	83-32-9	Acenaphthene	32.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	117-81-7	bis(2-Ethylhexyl)Phthalate	3.0000 BJ		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	84-66-2	Diethylphthalate	1.0000 J		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	84-74-2	Di-n-Butylphthalate	3.0000 BJ		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	08/05/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SW-012-12MS	621-64-7	N-Nitroso-Di-n-Propylamine	39.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	87-86-5	Pentachlorophenol	67.0000		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	108-95-2	Phenol	61.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MS	129-00-0	Pyrene	36.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	95-50-1	1,2-Dichlorobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	120-82-1	1,2,4-Trichlorobenzene	30.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	541-73-1	1,3-Dichlorobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	106-46-7	1,4-Dichlorobenzene	29.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	91-58-7	2-Chloronaphthalene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	95-57-8	2-Chlorophenol	59.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	91-57-6	2-Methylnaphthalene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	95-48-7	2-Methylphenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	88-74-4	2-Nitroaniline	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	88-75-5	2-Nitrophenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	108-60-1	2,2'-Oxybis(1-Chloropropane)	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	120-83-2	2,4-Dichlorophenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	105-67-9	2,4-Dimethylphenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	51-28-5	2,4-Dinitrophenol	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	121-14-2	2,4-Dinitrotoluene	34.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	95-95-4	2,4,5-Trichlorophenol	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	88-06-2	2,4,6-Trichlorophenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	606-20-2	2,6-Dinitrotoluene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	99-09-2	3-Nitroaniline	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	91-94-1	3,3'-Dichlorobenzidine	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	101-55-3	4-Bromophenyl-phenylether	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	59-50-7	4-Chloro-3-Methylphenol	60.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	106-47-8	4-Chloroaniline	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	7005-72-3	4-Chlorophenyl-phenylether	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	106-44-5	4-Methylphenol	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	100-01-6	4-Nitroaniline	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	100-02-7	4-Nitrophenol	52.0000		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	534-52-1	4,6-Dinitro-2-Methylphenol	25.0000 U		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	83-32-9	Acenaphthene	34.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	208-96-8	Acenaphthylene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	120-12-7	Anthracene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	56-55-3	Benzo(a)Anthracene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	50-32-8	Benzo(a)Pyrene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	205-99-2	Benzo(b)Fluoranthene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	191-24-2	Benzo(g,h,i)Perylene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	207-08-9	Benzo(k)Fluoranthene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	111-91-1	bis(2-Chloroethoxy)Methane	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	111-44-4	bis(2-Chloroethyl)Ether	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	117-81-7	bis(2-Ethylhexyl)Phthalate	4.0000 BJ		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	85-68-7	Butylbenzylphthalate	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	86-74-8	Carbazole	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	218-01-9	Chrysene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	132-64-9	Dibenzofuran	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	53-70-3	Dibenz(a,h)Anthracene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	84-66-2	Diethylphthalate	3.0000 J		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	131-11-3	Dimethyl Phthalate	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	84-74-2	Di-n-Butylphthalate	3.0000 BJ		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	117-84-0	Di-n-Octyl Phthalate	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	206-44-0	Fluoranthene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	86-73-7	Fluorene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	118-74-1	Hexachlorobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	87-68-3	Hexachlorobutadiene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	77-47-4	Hexachlorocyclopentadiene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	67-72-1	Hexachloroethane	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	193-39-5	Indeno(1,2,3-cd)Pyrene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	78-59-1	Isophorone	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	91-20-3	Naphthalene	10.0000 U		10.0000 UG/L	08/05/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
MS/D	SVOA	SW-012-12MSD	98-95-3	Nitrobenzene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	621-64-7	N-Nitroso-Di-n-Propylamine	40.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	86-30-6	N-Nitrosodiphenylamine	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	87-86-5	Pentachlorophenol	65.0000		25.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	85-01-8	Phenanthrene	10.0000 U		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	108-95-2	Phenol	61.0000		10.0000 UG/L	08/05/93
MS/D	SVOA	SW-012-12MSD	129-00-0	Pyrene	38.0000		10.0000 UG/L	08/05/93
TB	VOA	TB-01	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	05/28/93
TB	VOA	TB-01	71-43-2	Benzene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	05/28/93
TB	VOA	TB-01	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	05/28/93
TB	VOA	TB-01	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-09-2	Methylene Chloride	5.0000 UJ		10.0000 UG/L	05/28/93
TB	VOA	TB-01	100-42-5	Styrene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	108-88-3	Toluene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	05/28/93
TB	VOA	TB-01	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	05/28/93
TB	VOA	TB-01527	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	67-64-1	Acetone	15.0000 J		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	71-43-2	Benzene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-15-0	Carbon Disulfide	2.0000 J		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/26/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concetr /Q	MDL	Units	Date Coll
TB	VOA	TB-01527	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	100-42-5	Styrene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	108-88-3	Toluene	1.0000 J		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-01527	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	05/26/93
TB	VOA	TB-02	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-02	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-02	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-02	67-64-1	Acetone	19.0000 J		10.0000 UG/L	05/26/93
TB	VOA	TB-02	71-43-2	Benzene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	05/26/93
TB	VOA	TB-02	100-42-5	Styrene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	108-88-3	Toluene	2.0000 J		10.0000 UG/L	05/26/93
TB	VOA	TB-02	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	05/26/93
TB	VOA	TB-02528	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	71-43-2	Benzene	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	05/27/93
TB	VOA	TB-02528	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	05/27/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
TB	VOA	TB-02528	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	108-88-3	Toluene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-02528	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/27/93
TB	VOA	TB-03	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	05/26/93
TB	VOA	TB-03	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	05/26/93
TB	VOA	TB-03	591-78-6	2-Hexanone	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	05/26/93
TB	VOA	TB-03	67-64-1	Acetone	19.0000 J	10.0000	UG/L	05/26/93
TB	VOA	TB-03	71-43-2	Benzene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-15-0	Carbon Disulfide	2.0000 J	10.0000	UG/L	05/26/93
TB	VOA	TB-03	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	74-87-3	Chloromethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	05/26/93
TB	VOA	TB-03	100-42-5	Styrene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	108-88-3	Toluene	1.0000 J	10.0000	UG/L	05/26/93
TB	VOA	TB-03	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-03	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	05/26/93
TB	VOA	TB-10	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	06/01/93
TB	VOA	TB-10	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	06/01/93
TB	VOA	TB-10	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	06/01/93
TB	VOA	TB-10	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	06/01/93
TB	VOA	TB-10	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	06/01/93
TB	VOA	TB-10	71-43-2	Benzene	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	06/01/93
TB	VOA	TB-10	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
TB	VOA	TB-10	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-10	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-10	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-10	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-10	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-10	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/01/93
TB	VOA	TB-11	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	67-64-1	Acetone	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-11	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-11	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/01/93
TB	VOA	TB-12	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
TB	VOA	TB-12	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-15-0	Carbon Disulfide	3.0000 J		10.0000 UG/L	06/01/93
TB	VOA	TB-12	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	108-88-3	Toluene	2.0000 J		10.0000 UG/L	06/01/93
TB	VOA	TB-12	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-12	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/01/93
TB	VOA	TB-12	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/01/93
TB	VOA	TB-13	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/02/93
TB	VOA	TB-13	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-15-0	Carbon Disulfide	10.0000		10.0000 UG/L	06/02/93
TB	VOA	TB-13	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-13	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/02/93
TB	VOA	TB-13	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/02/93
TB	VOA	TB-21	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/09/93
TB	VOA	TB-21	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/09/93
TB	VOA	TB-21	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/09/93
TB	VOA	TB-21	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/09/93
TB	VOA	TB-21	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/09/93
TB	VOA	TB-21	107-06-2	1,2-Dichloroethane	10.0000 UJ		10.0000 UG/L	06/09/93
TB	VOA	TB-21	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/09/93
TB	VOA	TB-21	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/09/93
TB	VOA	TB-21	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/09/93
TB	VOA	TB-21	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/09/93
TB	VOA	TB-21	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/09/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
TB	VOA	TB-21	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	06/09/93
TB	VOA	TB-21	71-43-2	Benzene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	75-00-3	Chloroethane	10.0000 UJ	10.0000	UG/L	06/09/93
TB	VOA	TB-21	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	06/09/93
TB	VOA	TB-21	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	75-09-2	Methylene Chloride	10.0000 UJ	10.0000	UG/L	06/09/93
TB	VOA	TB-21	100-42-5	Styrene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	108-88-3	Toluene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-21	75-01-4	Vinyl Chloride	10.0000 UJ	10.0000	UG/L	06/09/93
TB	VOA	TB-21	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	06/09/93
TB	VOA	TB-22	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	06/11/93
TB	VOA	TB-22	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	78-93-3	2-Butanone	10.0000 UJ	10.0000	UG/L	06/11/93
TB	VOA	TB-22	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	06/11/93
TB	VOA	TB-22	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	06/11/93
TB	VOA	TB-22	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	06/11/93
TB	VOA	TB-22	71-43-2	Benzene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-00-3	Chloroethane	10.0000 UJ	10.0000	UG/L	06/11/93
TB	VOA	TB-22	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	06/11/93
TB	VOA	TB-22	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-09-2	Methylene Chloride	16.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	100-42-5	Styrene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	108-88-3	Toluene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-22	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	06/11/93
TB	VOA	TB-23	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	06/14/93
TB	VOA	TB-23	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	06/14/93
TB	VOA	TB-23	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	06/14/93
TB	VOA	TB-23	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	06/14/93
TB	VOA	TB-23	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	06/14/93
TB	VOA	TB-23	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	06/14/93
TB	VOA	TB-23	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	06/14/93
TB	VOA	TB-23	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	06/14/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
TB	VOA	TB-23	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/14/93
TB	VOA	TB-23	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/14/93
TB	VOA	TB-23	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/14/93
TB	VOA	TB-23	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/14/93
TB	VOA	TB-23	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/14/93
TB	VOA	TB-23	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/14/93
TB	VOA	TB-23	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	108-88-3	Toluene	1.0000 J		10.0000 UG/L	06/14/93
TB	VOA	TB-23	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-23	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/14/93
TB	VOA	TB-24	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/15/93
TB	VOA	TB-24	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-15-0	Carbon Disulfide	2.0000 J		10.0000 UG/L	06/15/93
TB	VOA	TB-24	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-24	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/15/93
TB	VOA	TB-25	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	06/16/93

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Chestnut Ridge OU-2 FCAP Phase 2 RI

Quality Control Samples, Organics, p. 53

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
TB	VOA	TB-25	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/16/93
TB	VOA	TB-25	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	74-87-3	Chloromethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	108-88-3	Toluene	1.0000 J		10.0000 UG/L	06/16/93
TB	VOA	TB-25	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-25	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/16/93
TB	VOA	TB-26	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	591-78-6	2-Hexanone	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/17/93
TB	VOA	TB-26	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/17/93
TB	VOA	TB-26	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-26	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/17/93
TB	VOA	TB-27	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/18/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/Q	MDL	Units	Date Coll
TB	VOA	TB-27	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/18/93
TB	VOA	TB-27	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/18/93
TB	VOA	TB-27	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/18/93
TB	VOA	TB-27	108-10-1	4-Methyl-2-Pentanone	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	67-64-1	Acetone	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/18/93
TB	VOA	TB-27	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/18/93
TB	VOA	TB-27	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-27	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/18/93
TB	VOA	TB-28	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	06/21/93
TB	VOA	TB-28	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	71-43-2	Benzene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-15-0	Carbon Disulfide	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-00-3	Chloroethane	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-09-2	Methylene Chloride	10.0000 UJ		10.0000 UG/L	06/21/93
TB	VOA	TB-28	100-42-5	Styrene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	108-88-3	Toluene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-28	75-01-4	Vinyl Chloride	10.0000 UJ		10.0000 UG/L	06/21/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
TB	VOA	TB-28	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	06/21/93
TB	VOA	TB-29	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	07/29/93
TB	VOA	TB-29	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	78-93-3	2-Butanone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-29	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-29	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-29	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-29	71-43-2	Benzene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-29	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-29	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-34-3	1,1-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-35-4	1,1-Dichloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	71-55-6	1,1,1-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	79-00-5	1,1,2-Trichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R		10.0000 UG/L	07/29/93
TB	VOA	TB-30	107-06-2	1,2-Dichloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	540-59-0	1,2-Dichloroethene (total)	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	78-87-5	1,2-Dichloropropane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	78-93-3	2-Butanone	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	591-78-6	2-Hexanone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-30	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-30	67-64-1	Acetone	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-30	71-43-2	Benzene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-27-4	Bromodichloromethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-25-2	Bromoform	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	74-83-9	Bromomethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-15-0	Carbon Disulfide	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	56-23-5	Carbon Tetrachloride	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	108-90-7	Chlorobenzene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-00-3	Chloroethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	67-66-3	Chloroform	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	74-87-3	Chloromethane	10.0000 UJ		10.0000 UG/L	07/29/93
TB	VOA	TB-30	10061-01-5	cis-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	124-48-1	Dibromochloromethane	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	100-41-4	Ethylbenzene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	75-09-2	Methylene Chloride	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-30	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr /Q	MDL	Units	Date Coll
TB	VOA	TB-30	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-30	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-30	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-30	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	07/29/93
TB	VOA	TB-31	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-31	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-31	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-31	71-43-2	Benzene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-31	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-09-2	Methylene Chloride	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	100-42-5	Styrene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	127-18-4	Tetrachloroethene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	108-88-3	Toluene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	10061-02-6	trans-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	79-01-6	Trichloroethene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	75-01-4	Vinyl Chloride	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-31	1330-20-7	Xylene (total)	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-34-3	1,1-Dichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-35-4	1,1-Dichloroethene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	71-55-6	1,1,1-Trichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	79-00-5	1,1,2-Trichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	79-34-5	1,1,2,2-Tetrachloroethane	10.0000 R	10.0000	UG/L	07/29/93
TB	VOA	TB-32	107-06-2	1,2-Dichloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	540-59-0	1,2-Dichloroethene (total)	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	78-87-5	1,2-Dichloropropane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	78-93-3	2-Butanone	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	591-78-6	2-Hexanone	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-32	108-10-1	4-Methyl-2-Pentanone	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-32	67-64-1	Acetone	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-32	71-43-2	Benzene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-27-4	Bromodichloromethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-25-2	Bromoform	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	74-83-9	Bromomethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-15-0	Carbon Disulfide	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	56-23-5	Carbon Tetrachloride	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	108-90-7	Chlorobenzene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-00-3	Chloroethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	67-66-3	Chloroform	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	74-87-3	Chloromethane	10.0000 UJ	10.0000	UG/L	07/29/93
TB	VOA	TB-32	10061-01-5	cis-1,3-Dichloropropene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	124-48-1	Dibromochloromethane	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	100-41-4	Ethylbenzene	10.0000 U	10.0000	UG/L	07/29/93
TB	VOA	TB-32	75-09-2	Methylene Chloride	10.0000 U	10.0000	UG/L	07/29/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
TB	VOA	TB-32	100-42-5	Styrene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-32	127-18-4	Tetrachloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-32	108-88-3	Toluene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-32	10061-02-6	trans-1,3-Dichloropropene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-32	79-01-6	Trichloroethene	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-32	75-01-4	Vinyl Chloride	10.0000 U		10.0000 UG/L	07/29/93
TB	VOA	TB-32	1330-20-7	Xylene (total)	10.0000 U		10.0000 UG/L	07/29/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FB	PCB	FB-DIW-01	12674-11-2	Aroclor-1016	1.0000 U	1.0000	UG/L	06/01/93
FB	PCB	FB-DIW-01	11104-28-2	Aroclor-1221	2.0000 U	2.0000	UG/L	06/01/93
FB	PCB	FB-DIW-01	11141-16-5	Aroclor-1232	1.0000 U	1.0000	UG/L	06/01/93
FB	PCB	FB-DIW-01	53469-21-9	Aroclor-1242	1.0000 U	1.0000	UG/L	06/01/93
FB	PCB	FB-DIW-01	12672-29-6	Aroclor-1248	1.0000 U	1.0000	UG/L	06/01/93
FB	PCB	FB-DIW-01	11097-69-1	Aroclor-1254	1.0000 U	1.0000	UG/L	06/01/93
FB	PCB	FB-DIW-01	11096-82-5	Aroclor-1260	1.0000 U	1.0000	UG/L	06/01/93
FB	PEST	FB-DIW-01	72-54-8	4,4'-DDD	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	72-55-9	4,4'-DDE	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	50-29-3	4,4'-DDT	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	309-00-2	Aldrin	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	319-84-6	alpha-BHC	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	5103-71-9	alpha-Chlordane	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	319-85-7	beta-BHC	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	319-86-8	delta-BHC	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	60-57-1	Dieldrin	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	959-98-8	Endosulfan I	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	33213-65-9	Endosulfan II	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	1031-07-8	Endosulfan sulfate	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	72-20-8	Endrin	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	7421-93-4	Endrin aldehyde	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	53494-70-5	Endrin ketone	0.1000 U	0.1000	UG/L	06/01/93
FB	PEST	FB-DIW-01	58-89-9	gamma-BHC	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	5103-74-2	gamma-Chlordane	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	76-44-8	Heptachlor	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	1024-57-3	Heptachlor epoxide	0.0500 U	0.0500	UG/L	06/01/93
FB	PEST	FB-DIW-01	72-43-5	Methoxychlor	0.5000 U	0.5000	UG/L	06/01/93
FB	PEST	FB-DIW-01	8001-35-2	Toxaphene	5.0000 U	5.0000	UG/L	06/01/93
FB	PCB	FB-HPL-01	12674-11-2	Aroclor-1016	1.0000 U	1.0000	UG/L	06/02/93
FB	PCB	FB-HPL-01	11104-28-2	Aroclor-1221	2.0000 U	2.0000	UG/L	06/02/93
FB	PCB	FB-HPL-01	11141-16-5	Aroclor-1232	1.0000 U	1.0000	UG/L	06/02/93
FB	PCB	FB-HPL-01	53469-21-9	Aroclor-1242	1.0000 U	1.0000	UG/L	06/02/93
FB	PCB	FB-HPL-01	12672-29-6	Aroclor-1248	1.0000 U	1.0000	UG/L	06/02/93
FB	PCB	FB-HPL-01	11097-69-1	Aroclor-1254	1.0000 U	1.0000	UG/L	06/02/93
FB	PCB	FB-HPL-01	11096-82-5	Aroclor-1260	1.0000 U	1.0000	UG/L	06/02/93
FB	PEST	FB-HPL-01	72-54-8	4,4'-DDD	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	72-55-9	4,4'-DDE	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	50-29-3	4,4'-DDT	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	309-00-2	Aldrin	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	319-84-6	alpha-BHC	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	5103-71-9	alpha-Chlordane	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	319-85-7	beta-BHC	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	319-86-8	delta-BHC	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	60-57-1	Dieldrin	0.1000 UJ	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	959-98-8	Endosulfan I	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	33213-65-9	Endosulfan II	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	1031-07-8	Endosulfan sulfate	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	72-20-8	Endrin	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	7421-93-4	Endrin aldehyde	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	53494-70-5	Endrin ketone	0.1000 U	0.1000	UG/L	06/02/93
FB	PEST	FB-HPL-01	58-89-9	gamma-BHC	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	5103-74-2	gamma-Chlordane	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	76-44-8	Heptachlor	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	1024-57-3	Heptachlor epoxide	0.0500 U	0.0500	UG/L	06/02/93
FB	PEST	FB-HPL-01	72-43-5	Methoxychlor	0.5000 UJ	0.5000	UG/L	06/02/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FB	PEST	FB-HPL-01	8001-35-2	Toxaphene	5.0000 U	5.0000	UG/L	06/02/93
MS/D	PCB	AB-002-11MS	12674-11-2	Aroclor-1016	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MS	11104-28-2	Aroclor-1221	120.0000 U	120.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MS	11141-16-5	Aroclor-1232	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MS	53469-21-9	Aroclor-1242	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MS	12672-29-6	Aroclor-1248	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MS	11097-69-1	Aroclor-1254	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MS	11096-82-5	Aroclor-1260	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	72-54-8	4,4'-DDD	1.0000 JP	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	72-55-9	4,4'-DDE	0.3900 J	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	50-29-3	4,4'-DDT	45.0000	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	309-00-2	Aldrin	16.0000 P	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	319-84-6	alpha-BHC	0.2600 J	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	5103-71-9	alpha-Chlordane	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	319-85-7	beta-BHC	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	319-86-8	delta-BHC	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	60-57-1	Dieldrin	41.0000	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	959-98-8	Endosulfan I	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	33213-65-9	Endosulfan II	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	1031-07-8	Endosulfan sulfate	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	72-20-8	Endrin	43.0000	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	7421-93-4	Endrin aldehyde	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	53494-70-5	Endrin ketone	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	58-89-9	gamma-BHC	18.0000 P	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	5103-74-2	gamma-Chlordane	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	76-44-8	Heptachlor	19.0000 P	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	1024-57-3	Heptachlor epoxide	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	72-43-5	Methoxychlor	31.0000 U	31.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MS	8001-35-2	Toxaphene	310.0000 U	310.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	12674-11-2	Aroclor-1016	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	11104-28-2	Aroclor-1221	120.0000 U	120.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	11141-16-5	Aroclor-1232	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	53469-21-9	Aroclor-1242	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	12672-29-6	Aroclor-1248	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	11097-69-1	Aroclor-1254	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PCB	AB-002-11MSD	11096-82-5	Aroclor-1260	60.0000 U	60.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	72-54-8	4,4'-DDD	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	72-55-9	4,4'-DDE	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	50-29-3	4,4'-DDT	44.0000	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	309-00-2	Aldrin	16.0000 P	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	319-84-6	alpha-BHC	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	5103-71-9	alpha-Chlordane	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	319-85-7	beta-BHC	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	319-86-8	delta-BHC	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	60-57-1	Dieldrin	40.0000	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	959-98-8	Endosulfan I	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	33213-65-9	Endosulfan II	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	1031-07-8	Endosulfan sulfate	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	72-20-8	Endrin	43.0000	15.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	7421-93-4	Endrin aldehyde	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	53494-70-5	Endrin ketone	6.0000 U	6.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	58-89-9	gamma-BHC	18.0000 P	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	5103-74-2	gamma-Chlordane	3.1000 U	3.1000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	76-44-8	Heptachlor	19.0000 P	8.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	1024-57-3	Heptachlor epoxide	3.1000 U	3.1000	UG/KG	05/27/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
MS/D	PEST	AB-002-11MSD	72-43-5	Methoxychlor	31.0000 U	31.0000	UG/KG	05/27/93
MS/D	PEST	AB-002-11MSD	8001-35-2	Toxaphene	310.0000 U	310.0000	UG/KG	05/27/93
MS/D	PCB	AB-004-11MS	12674-11-2	Aroclor-1016	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MS	11104-28-2	Aroclor-1221	150.0000 U	150.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MS	11141-16-5	Aroclor-1232	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MS	53469-21-9	Aroclor-1242	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MS	12672-29-6	Aroclor-1248	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MS	11097-69-1	Aroclor-1254	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MS	11096-82-5	Aroclor-1260	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	72-54-8	4,4'-DDD	0.3300 JP	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	72-55-9	4,4'-DDE	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	50-29-3	4,4'-DDT	59.0000	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	309-00-2	Aldrin	22.0000	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	319-84-6	alpha-BHC	0.1700 J	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	5103-71-9	alpha-Chlordane	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	319-85-7	beta-BHC	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	319-86-8	delta-BHC	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	60-57-1	Dieldrin	57.0000	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	959-98-8	Endosulfan I	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	33213-65-9	Endosulfan II	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	1031-07-8	Endosulfan sulfate	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	72-20-8	Endrin	57.0000	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	7421-93-4	Endrin aldehyde	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	53494-70-5	Endrin ketone	0.5900 J	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	58-89-9	gamma-BHC	25.0000	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	5103-74-2	gamma-Chlordane	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	76-44-8	Heptachlor	24.0000	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	1024-57-3	Heptachlor epoxide	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	72-43-5	Methoxychlor	0.4800 J	92.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MS	8001-35-2	Toxaphene	370.0000 U	370.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	12674-11-2	Aroclor-1016	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	11104-28-2	Aroclor-1221	150.0000 U	150.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	11141-16-5	Aroclor-1232	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	53469-21-9	Aroclor-1242	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	12672-29-6	Aroclor-1248	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	11097-69-1	Aroclor-1254	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PCB	AB-004-11MSD	11096-82-5	Aroclor-1260	72.0000 U	72.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	72-54-8	4,4'-DDD	0.2100 JP	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	72-55-9	4,4'-DDE	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	50-29-3	4,4'-DDT	58.0000	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	309-00-2	Aldrin	22.0000	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	319-84-6	alpha-BHC	0.1900 J	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	5103-71-9	alpha-Chlordane	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	319-85-7	beta-BHC	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	319-86-8	delta-BHC	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	60-57-1	Dieldrin	56.0000	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	959-98-8	Endosulfan I	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	33213-65-9	Endosulfan II	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	1031-07-8	Endosulfan sulfate	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	72-20-8	Endrin	56.0000	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	7421-93-4	Endrin aldehyde	7.2000 U	7.2000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	53494-70-5	Endrin ketone	0.6200 J	18.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	58-89-9	gamma-BHC	25.0000	9.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	5103-74-2	gamma-Chlordane	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	76-44-8	Heptachlor	24.0000	9.0000	UG/KG	06/01/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
MS/D	PEST	AB-004-11MSD	1024-57-3	Heptachlor epoxide	3.7000 U	3.7000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	72-43-5	Methoxychlor	0.5100 JP	92.0000	UG/KG	06/01/93
MS/D	PEST	AB-004-11MSD	8001-35-2	Toxaphene	370.0000 U	370.0000	UG/KG	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
EB	METALS	AB-002-EB	7429-90-5	Aluminum	182.0000 U	35.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-39-3	Barium	4.5000	2.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-70-2	Calcium	1,670.0000	24.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-50-8	Copper	5.7000	4.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7439-89-6	Iron	711.0000	41.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7439-95-4	Magnesium	81.0000	59.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7439-96-5	Manganese	7.1000	1.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-23-5	Sodium	667.0000 U	251.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/27/93
EB	METALS	AB-002-EB	7440-66-6	Zinc	46.3000	4.0000	UG/L	05/27/93
EB	METALS	AB-007-EB	7429-90-5	Aluminum	88.7000 U	35.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-39-3	Barium	2.7000	2.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-70-2	Calcium	1,890.0000	24.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7439-89-6	Iron	115.0000	41.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7439-95-4	Magnesium	78.8000	59.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7439-96-5	Manganese	3.9000	1.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-23-5	Sodium	615.0000	251.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/01/93
EB	METALS	AB-007-EB	7440-66-6	Zinc	57.6000	4.0000	UG/L	06/01/93
EB	METALS	GW-674-EB	7429-90-5	Aluminum	61.1000 U	35.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-39-3	Barium	2.0000 U	2.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-70-2	Calcium	583.0000	24.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/15/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
EB	METALS	GW-674-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7439-96-5	Manganese	2.2000 J	1.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-23-5	Sodium	451.0000	251.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/15/93
EB	METALS	GW-674-EB	7440-66-6	Zinc	31.7000 J	4.0000	UG/L	06/15/93
EB	METALS	SC-007-EB	7429-90-5	Aluminum	65.1000 U	35.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-39-3	Barium	2.0000 U	2.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-70-2	Calcium	229.0000	24.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7439-96-5	Manganese	1.0000 UJ	1.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-23-5	Sodium	418.0000	251.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/14/93
EB	METALS	SC-007-EB	7440-66-6	Zinc	13.0000 J	4.0000	UG/L	06/14/93
EB	METALS	SD-001-EB	7429-90-5	Aluminum	89.4000 U	35.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-39-3	Barium	2.8000	2.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-70-2	Calcium	499.0000	24.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7439-89-6	Iron	41.0000 U	41.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7439-96-5	Manganese	1.0000 U	1.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-09-7	Potassium	1,350.0000 U	1,350.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/27/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/</u>	<u>Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
EB	METALS	SD-001-EB	7440-22-4	Silver	7.0000	U	7.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-23-5	Sodium	565.0000	U	251.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-28-0	Thallium	4.0000	U	4.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	05/27/93
EB	METALS	SD-001-EB	7440-66-6	Zinc	22.4000		4.0000	UG/L	05/27/93
EB	METALS	SD-003-EC	7429-90-5	Aluminum	51.5000		44.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-36-0	Antimony	35.0000	U	35.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-38-2	Arsenic	4.0000	UJ	4.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-39-3	Barium	2.0000	U	2.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-43-9	Cadmium	3.0000	U	3.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-70-2	Calcium	614.0000		17.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-48-4	Cobalt	9.0000	U	9.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-50-8	Copper	4.0000	U	4.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7439-89-6	Iron	77.6000	U	25.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7439-92-1	Lead	2.0000	U	2.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7439-95-4	Magnesium	50.2000		48.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7439-96-5	Manganese	3.8000	U	1.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7439-97-6	Mercury	0.2200		0.2000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-02-0	Nickel	18.0000	U	18.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-09-7	Potassium	1,270.0000	U	1,270.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-22-4	Silver	4.0000	U	4.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-23-5	Sodium	670.0000		123.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-28-0	Thallium	3.0000	U	3.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	07/29/93
EB	METALS	SD-003-EC	7440-66-6	Zinc	29.3000		4.0000	UG/L	07/29/93
EB	METALS	SO-001-EB	7429-90-5	Aluminum	93.9000	U	35.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-38-2	Arsenic	3.0000	UJ	3.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-39-3	Barium	2.9000		2.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-41-7	Beryllium	1.0000	U	1.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-43-9	Cadmium	5.0000	U	5.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-70-2	Calcium	473.0000		24.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-47-3	Chromium	8.0000	U	8.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-48-4	Cobalt	8.0000	U	8.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-50-8	Copper	4.0000	U	4.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7439-89-6	Iron	41.0000	U	41.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7439-92-1	Lead	2.0000	U	2.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7439-95-4	Magnesium	59.0000	U	59.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7439-96-5	Manganese	1.0000	U	1.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7439-97-6	Mercury	0.2000	U	0.2000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-02-0	Nickel	17.0000	U	17.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-09-7	Potassium	1,350.0000	U	1,350.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7782-49-2	Selenium	3.0000	UJ	3.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-22-4	Silver	7.0000	U	7.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-23-5	Sodium	574.0000	U	251.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-28-0	Thallium	4.0000	U	4.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-62-2	Vanadium	6.0000	U	6.0000	UG/L	06/01/93
EB	METALS	SO-001-EB	7440-66-6	Zinc	20.4000		4.0000	UG/L	06/01/93
EB	METALS	SO-010-EB	7429-90-5	Aluminum	77.1000	U	35.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-36-0	Antimony	36.0000	U	36.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-38-2	Arsenic	3.0000	U	3.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-39-3	Barium	2.8000		2.0000	UG/L	05/28/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
EB	METALS	SO-010-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-70-2	Calcium	654.0000	24.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7439-89-6	Iron	61.0000	41.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7439-96-5	Manganese	1.1000	1.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-09-7	Potassium	1,350.0000 U	1,350.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-23-5	Sodium	475.0000 U	251.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/28/93
EB	METALS	SO-010-EB	7440-66-6	Zinc	25.3000	4.0000	UG/L	05/28/93
EB	METALS	SW-002-EB	7429-90-5	Aluminum	61.5000 U	35.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-39-3	Barium	2.4000	2.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-70-2	Calcium	445.0000	24.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7439-89-6	Iron	41.0000 U	41.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7439-92-1	Lead	2.0000 J	2.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7439-96-5	Manganese	1.0000 U	1.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-09-7	Potassium	1,350.0000 U	1,350.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-23-5	Sodium	449.0000 U	251.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/27/93
EB	METALS	SW-002-EB	7440-66-6	Zinc	31.9000	4.0000	UG/L	05/27/93
EB	METALS	SW-003-EC	7429-90-5	Aluminum	44.0000 U	44.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-38-2	Arsenic	4.0000 U	4.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-39-3	Barium	2.0000 U	2.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-70-2	Calcium	461.0000	17.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-50-8	Copper	4.0000 U	4.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7439-89-6	Iron	69.8000 U	25.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7439-92-1	Lead	2.0000 U	2.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7439-95-4	Magnesium	48.0000 U	48.0000	UG/L	07/29/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
EB	METALS	SW-003-EC	7439-96-5	Manganese	2.5000 U	1.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-09-7	Potassium	1,270.0000 U	1,270.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-22-4	Silver	4.0000 U	4.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-23-5	Sodium	536.0000	123.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-28-0	Thallium	3.0000 U	3.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	07/29/93
EB	METALS	SW-003-EC	7440-66-6	Zinc	29.0000	4.0000	UG/L	07/29/93
EB	METALS	SW-005-EB	7429-90-5	Aluminum	74.6000 U	35.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-39-3	Barium	2.0000 U	2.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-70-2	Calcium	276.0000	24.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7439-96-5	Manganese	1.0000 UJ	1.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-09-7	Potassium	1,352.0000 U	1,352.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-23-5	Sodium	357.0000	251.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/04/93
EB	METALS	SW-005-EB	7440-66-6	Zinc	17.4000 J	4.0000	UG/L	06/04/93
FB	METALS	FB-DIW-01	7429-90-5	Aluminum	89.8000 U	35.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-38-2	Arsenic	3.0000 U	3.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-39-3	Barium	2.7000	2.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-70-2	Calcium	63.9000	24.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7439-96-5	Manganese	1.0000 U	1.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-09-7	Potassium	1,350.0000 U	1,350.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-23-5	Sodium	521.0000 U	251.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/01/93
FB	METALS	FB-DIW-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/01/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
FB	METALS	FB-DIW-01	7440-66-6	Zinc	4.9000	4.0000	UG/L	06/01/93
FB	METALS	FB-DIW-02	7429-90-5	Aluminum	44.0000 U	44.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-38-2	Arsenic	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-39-3	Barium	2.0000 U	2.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-70-2	Calcium	79.3000	17.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-50-8	Copper	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7439-89-6	Iron	69.8000	25.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7439-92-1	Lead	2.0000 U	2.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7439-95-4	Magnesium	48.0000 U	48.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7439-96-5	Manganese	2.7000	1.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-09-7	Potassium	1,270.0000 U	1,270.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-22-4	Silver	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-23-5	Sodium	123.0000 U	123.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-28-0	Thallium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	07/29/93
FB	METALS	FB-DIW-02	7440-66-6	Zinc	12.2000	4.0000	UG/L	07/29/93
FB	METALS	FB-HPL-01	7429-90-5	Aluminum	65.6000 U	35.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-38-2	Arsenic	3.0000 UJ	3.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-39-3	Barium	2.2000	2.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-70-2	Calcium	65.6000	24.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7439-89-6	Iron	54.2000	41.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7439-92-1	Lead	2.0000 U	2.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7439-95-4	Magnesium	59.0000 U	59.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7439-96-5	Manganese	1.0000 U	1.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-09-7	Potassium	1,350.0000 U	1,350.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-23-5	Sodium	418.0000 U	251.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-28-0	Thallium	4.0000 U	4.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	06/02/93
FB	METALS	FB-HPL-01	7440-66-6	Zinc	6.3000 U	4.0000	UG/L	06/02/93
FB	METALS	FB-HPL-02	7429-90-5	Aluminum	44.0000 U	44.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-38-2	Arsenic	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-39-3	Barium	2.0000 U	2.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-70-2	Calcium	532.0000	17.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	07/29/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
FB	METALS	FB-HPL-02	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-50-8	Copper	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7439-89-6	Iron	62.1000	25.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7439-92-1	Lead	2.0000 U	2.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7439-95-4	Magnesium	48.0000 U	48.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7439-96-5	Manganese	2.1000	1.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7439-97-6	Mercury	0.2800	0.2000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-09-7	Potassium	1,270.0000 U	1,270.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-22-4	Silver	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-23-5	Sodium	761.0000	123.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-28-0	Thallium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	07/29/93
FB	METALS	FB-HPL-02	7440-66-6	Zinc	18.7000	4.0000	UG/L	07/29/93
FB	METALS	FB-POT-01	7429-90-5	Aluminum	153.0000 U	35.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-36-0	Antimony	36.0000 U	36.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-38-2	Arsenic	3.2000	3.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-39-3	Barium	33.5000	2.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-43-9	Cadmium	5.0000 U	5.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-70-2	Calcium	36,500.0000	24.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-48-4	Cobalt	8.0000 U	8.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-50-8	Copper	4.0000 U	4.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7439-89-6	Iron	41.0000 U	41.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7439-92-1	Lead	3.0000 J	2.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7439-95-4	Magnesium	10,200.0000	59.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7439-96-5	Manganese	1.2000	1.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7439-97-6	Mercury	0.2000 U	0.2000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-02-0	Nickel	17.0000 U	17.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-09-7	Potassium	1,540.0000	1,350.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7782-49-2	Selenium	3.0000 UJ	3.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-22-4	Silver	7.0000 U	7.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-23-5	Sodium	6,290.0000	251.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-28-0	Thallium	4.0000 UJ	4.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	05/26/93
FB	METALS	FB-POT-01	7440-66-6	Zinc	130.0000	4.0000	UG/L	05/26/93
FB	METALS	FB-POT-02	7429-90-5	Aluminum	58.5000	44.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-36-0	Antimony	35.0000 U	35.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-38-2	Arsenic	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-39-3	Barium	26.5000	2.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-41-7	Beryllium	1.0000 U	1.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-43-9	Cadmium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-70-2	Calcium	34,000.0000	17.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-47-3	Chromium	8.0000 U	8.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-48-4	Cobalt	9.0000 U	9.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-50-8	Copper	5.1000	4.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7439-89-6	Iron	69.8000 U	25.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7439-92-1	Lead	2.0000 UJ	2.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7439-95-4	Magnesium	9,090.0000	48.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7439-96-5	Manganese	6.1000 U	1.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7439-97-6	Mercury	0.6700	0.2000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-02-0	Nickel	18.0000 U	18.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-09-7	Potassium	1,970.0000	1,270.0000	UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
FB	METALS	FB-POT-02	7782-49-2	Selenium	3.0000 U	3.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-22-4	Silver	4.0000 U	4.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-23-5	Sodium	5,030.0000	123.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-28-0	Thallium	3.0000 UJ	3.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-62-2	Vanadium	6.0000 U	6.0000	UG/L	07/29/93
FB	METALS	FB-POT-02	7440-66-6	Zinc	164.0000	4.0000	UG/L	07/29/93
MS/D	METALS	GW-321-01(F)MS	7429-90-5	Aluminum	67.0580	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-36-0	Antimony	36.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-38-2	Arsenic	3.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-39-3	Barium	56.9090	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-41-7	Beryllium	1.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-43-9	Cadmium	5.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-47-3	Chromium	8.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-48-4	Cobalt	8.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-50-8	Copper	4.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7439-89-6	Iron	41.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7439-92-1	Lead	2.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7439-96-5	Manganese	3.7570	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7439-97-6	Mercury	0.2000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-02-0	Nickel	17.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7782-49-2	Selenium	3.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-22-4	Silver	7.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-28-0	Thallium	4.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-62-2	Vanadium	6.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MS	7440-66-6	Zinc	29.0640	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7429-90-5	Aluminum	50.8380	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-36-0	Antimony	36.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-38-2	Arsenic	3.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-39-3	Barium	56.1410	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-41-7	Beryllium	1.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-43-9	Cadmium	5.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-70-2	Calcium	28,353.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-47-3	Chromium	8.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-48-4	Cobalt	8.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-50-8	Copper	4.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7439-89-6	Iron	41.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7439-92-1	Lead	2.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7439-95-4	Magnesium	15,610.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7439-96-5	Manganese	3.5728	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7439-97-6	Mercury	0.2000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-02-0	Nickel	17.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-09-7	Potassium	1,352.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7782-49-2	Selenium	3.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-22-4	Silver	7.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-23-5	Sodium	843.7900	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-28-0	Thallium	4.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-62-2	Vanadium	6.0000	0.0000	UG/L	06/14/93
MS/D	METALS	GW-321-01(F)MSD	7440-66-6	Zinc	28.5210	0.0000	UG/L	06/14/93
MS/D	METALS	GW-673-01MS	7429-90-5	Aluminum	45.9470	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-36-0	Antimony	36.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-38-2	Arsenic	3.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-39-3	Barium	186.2400	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-41-7	Beryllium	1.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-43-9	Cadmium	5.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-70-2	Calcium	8.0000	0.0000	UG/L	06/17/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
MS/D	METALS	GW-673-01MS	7440-47-3	Chromium	8.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-48-4	Cobalt	4.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-50-8	Copper	47.2790	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7439-89-6	Iron	11.7181	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7439-92-1	Lead	2.5711	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7439-95-4	Magnesium	0.2000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7439-96-5	Manganese	17.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7439-97-6	Mercury	3.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-02-0	Nickel	7.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-09-7	Potassium	4.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7782-49-2	Selenium	6.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MS	7440-22-4	Silver	22.8120	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7429-90-5	Aluminum	104.2100	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-36-0	Antimony	36.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-38-2	Arsenic	3.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-39-3	Barium	189.4600	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-41-7	Beryllium	1.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-43-9	Cadmium	5.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-70-2	Calcium	43,753.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-47-3	Chromium	8.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-48-4	Cobalt	8.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-50-8	Copper	4.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7439-89-6	Iron	108.0700	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7439-92-1	Lead	2.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7439-95-4	Magnesium	21,323.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7439-96-5	Manganese	2.3637	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7439-97-6	Mercury	0.2000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-02-0	Nickel	17.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-09-7	Potassium	1,352.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7782-49-2	Selenium	3.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-22-4	Silver	7.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-23-5	Sodium	1,306.2001	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-28-0	Thallium	4.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-62-2	Vanadium	6.0000	0.0000	UG/L	06/17/93
MS/D	METALS	GW-673-01MSD	7440-66-6	Zinc	23.1170	0.0000	UG/L	06/17/93
MS/D	METALS	SC-007-01MS	7440-36-0	Antimony	15.6463	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-38-2	Arsenic	66.4626	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-38-2	Arsenic	88.4558	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-39-3	Barium	333.8299	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-41-7	Beryllium	1.6267	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-43-9	Cadmium	1.7007	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-47-3	Chromium	8.1983	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-48-4	Cobalt	8.9714	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-50-8	Copper	19.3463	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7439-92-1	Lead	17.8061	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7439-96-5	Manganese	344.2517	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7439-97-6	Mercury	0.6117	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-02-0	Nickel	16.9241	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7782-49-2	Selenium	10.2041	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-22-4	Silver	3.4014	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-28-0	Thallium	1.3605	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-62-2	Vanadium	33.1354	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MS	7440-66-6	Zinc	28.1748	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7429-90-5	Aluminum	10,398.2995	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-36-0	Antimony	15.6463	0.0000	MG/KG	06/15/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
MS/D	METALS	SC-007-01MSD	7440-38-2	Arsenic	68.6735	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-38-2	Arsenic	97.6531	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-39-3	Barium	362.3129	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-41-7	Beryllium	2.1143	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-43-9	Cadmium	1.7007	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-70-2	Calcium	5,566.3266	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-47-3	Chromium	11.3976	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-48-4	Cobalt	10.0595	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-50-8	Copper	33.4163	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7439-89-6	Iron	31,009.1841	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7439-92-1	Lead	19.6837	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7439-95-4	Magnesium	828.8096	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7439-96-5	Manganese	382.3469	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7439-97-6	Mercury	0.6315	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-02-0	Nickel	20.2636	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-09-7	Potassium	959.2857	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7782-49-2	Selenium	3.3845	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-22-4	Silver	3.4014	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-23-5	Sodium	160.4048	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-28-0	Thallium	1.3605	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-62-2	Vanadium	38.6735	0.0000	MG/KG	06/15/93
MS/D	METALS	SC-007-01MSD	7440-66-6	Zinc	34.5102	0.0000	MG/KG	06/15/93
MS/D	METALS	SD-003-01MS	7440-36-0	Antimony	37.7049	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-38-2	Arsenic	3,263.1149	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-38-2	Arsenic	2,296.9673	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-39-3	Barium	595.5410	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-41-7	Beryllium	3.4380	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-43-9	Cadmium	4.0984	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-47-3	Chromium	21.6910	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-48-4	Cobalt	86.1803	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-50-8	Copper	23.0541	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7439-92-1	Lead	11.5738	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7439-96-5	Manganese	13,690.1641	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7439-97-6	Mercury	0.4098	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-02-0	Nickel	45.0852	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7782-49-2	Selenium	2.4590	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-22-4	Silver	8.1967	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-28-0	Thallium	3.2787	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-62-2	Vanadium	48.6844	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MS	7440-66-6	Zinc	250.7705	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7429-90-5	Aluminum	18,509.8364	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-36-0	Antimony	37.7049	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-38-2	Arsenic	2,156.8034	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-38-2	Arsenic	1,231.1476	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-39-3	Barium	470.7787	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-41-7	Beryllium	3.1961	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-43-9	Cadmium	4.0984	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-70-2	Calcium	7,835.4101	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-47-3	Chromium	15.9025	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-48-4	Cobalt	71.0820	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-50-8	Copper	20.4918	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7439-89-6	Iron	58,862.2960	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7439-92-1	Lead	17.2787	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7439-95-4	Magnesium	3,400.9838	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7439-96-5	Manganese	9,740.1641	0.0000	MG/KG	05/26/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
MS/D	METALS	SD-003-01MSD	7439-97-6	Mercury	0.4098	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-02-0	Nickel	32.5598	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-09-7	Potassium	2,131.4754	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7782-49-2	Selenium	3.8541	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-22-4	Silver	8.1967	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-23-5	Sodium	486.4262	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-28-0	Thallium	3.2787	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-62-2	Vanadium	44.5779	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-01MSD	7440-66-6	Zinc	223.9672	0.0000	MG/KG	05/26/93
MS/D	METALS	SD-003-02MS	7440-36-0	Antimony	24.3243	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-38-2	Arsenic	774.2162	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-39-3	Barium	234.5243	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-41-7	Beryllium	4.7463	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-43-9	Cadmium	2.7027	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-47-3	Chromium	20.8973	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-48-4	Cobalt	29.0778	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-50-8	Copper	20.0497	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7439-92-1	Lead	17.0541	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7439-96-5	Manganese	4,895.6757	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7439-97-6	Mercury	0.2703	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-02-0	Nickel	37.2011	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7782-49-2	Selenium	2.1757	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-22-4	Silver	2.1622	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-28-0	Thallium	1.6216	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-62-2	Vanadium	47.0730	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MS	7440-66-6	Zinc	265.0486	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7429-90-5	Aluminum	18,717.8378	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-36-0	Antimony	24.3243	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-38-2	Arsenic	849.2973	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-39-3	Barium	232.0757	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-41-7	Beryllium	2.2263	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-43-9	Cadmium	2.7027	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-70-2	Calcium	23,605.9459	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-47-3	Chromium	19.8292	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-48-4	Cobalt	33.7697	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-50-8	Copper	22.7232	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7439-89-6	Iron	42,121.0811	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7439-92-1	Lead	15.7892	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7439-95-4	Magnesium	14,130.2703	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7439-96-5	Manganese	5,431.8919	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7439-97-6	Mercury	0.2703	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-02-0	Nickel	41.8476	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-09-7	Potassium	2,373.8379	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7782-49-2	Selenium	1.9249	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-22-4	Silver	2.1622	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-23-5	Sodium	147.5838	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-28-0	Thallium	1.6216	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-62-2	Vanadium	48.8189	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-02MSD	7440-66-6	Zinc	247.1730	0.0000	MG/KG	07/29/93
MS/D	METALS	SD-003-ECMS	7429-90-5	Aluminum	51.4850	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-36-0	Antimony	29.3440	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-38-2	Arsenic	4.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-39-3	Barium	2.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-41-7	Beryllium	1.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-43-9	Cadmium	9.0000	0.0000	UG/L	07/29/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDL	Units	Date Coll
MS/D	METALS	SD-003-ECMS	7440-70-2	Calcium	3.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-47-3	Chromium	4.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-48-4	Cobalt	8.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-50-8	Copper	77.6070	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7439-89-6	Iron	0.2163	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7439-92-1	Lead	6.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7439-95-4	Magnesium	2.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7439-96-5	Manganese	35.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7439-97-6	Mercury	3.8364	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-02-0	Nickel	3.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-09-7	Potassium	18.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-22-4	Silver	4.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMS	7440-23-5	Sodium	3.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7429-90-5	Aluminum	44.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-36-0	Antimony	35.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-38-2	Arsenic	4.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-39-3	Barium	2.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-41-7	Beryllium	1.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-43-9	Cadmium	3.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-70-2	Calcium	598.5400	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-47-3	Chromium	8.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-48-4	Cobalt	9.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-50-8	Copper	4.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7439-89-6	Iron	69.8450	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7439-92-1	Lead	2.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7439-95-4	Magnesium	48.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7439-96-5	Manganese	3.5007	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7439-97-6	Mercury	0.2000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-02-0	Nickel	18.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-09-7	Potassium	1,270.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7782-49-2	Selenium	3.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-22-4	Silver	4.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-23-5	Sodium	577.3000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-28-0	Thallium	3.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-62-2	Vanadium	6.0000	0.0000	UG/L	07/29/93
MS/D	METALS	SD-003-ECMSD	7440-66-6	Zinc	25.1960	0.0000	UG/L	07/29/93
MS/D	METALS	SO-004-01MS	7440-36-0	Antimony	18.8482	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-38-2	Arsenic	155.8482	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-38-2	Arsenic	192.5654	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-39-3	Barium	522.2147	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-41-7	Beryllium	5.6157	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-43-9	Cadmium	2.6178	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-47-3	Chromium	26.1885	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-48-4	Cobalt	23.5042	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-50-8	Copper	92.6963	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7439-92-1	Lead	25.8220	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7439-96-5	Manganese	140.3979	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7439-97-6	Mercury	0.7581	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-02-0	Nickel	41.3278	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7782-49-2	Selenium	12.2723	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-22-4	Silver	3.6649	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-28-0	Thallium	2.4089	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-62-2	Vanadium	102.3298	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MS	7440-66-6	Zinc	69.9319	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7429-90-5	Aluminum	23,342.4079	0.0000	MG/KG	06/01/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDL</u>	<u>Units</u>	<u>Date Coll</u>
MS/D	METALS	SO-004-01MSD	7440-36-0	Antimony	18.8482	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-38-2	Arsenic	121.2513	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-38-2	Arsenic	156.8586	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-39-3	Barium	516.4398	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-41-7	Beryllium	5.5346	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-43-9	Cadmium	2.6178	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-70-2	Calcium	6,392.1465	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-47-3	Chromium	27.6524	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-48-4	Cobalt	24.0094	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-50-8	Copper	84.4241	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7439-89-6	Iron	31,980.6276	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7439-92-1	Lead	19.8953	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7439-95-4	Magnesium	1,842.8272	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7439-96-5	Manganese	134.8586	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7439-97-6	Mercury	0.7891	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-02-0	Nickel	43.2283	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-09-7	Potassium	4,619.8952	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7782-49-2	Selenium	25.7780	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-22-4	Silver	3.6649	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-23-5	Sodium	861.2565	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-28-0	Thallium	2.1660	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-62-2	Vanadium	101.7487	0.0000	MG/KG	06/01/93
MS/D	METALS	SO-004-01MSD	7440-66-6	Zinc	71.9529	0.0000	MG/KG	06/01/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
EB	RADS	AB-002-EB	12587-46-1	Alpha	-0.2100 UJ	3.1000	pCi/L	1.8000	05/27/93
EB	RADS	AB-002-EB	12587-47-2	Beta	1.8000 U	5.2000	pCi/L	3.1000	05/27/93
EB	RADS	AB-002-EB	14274-82-9	Th-228	0.0500	0.0660	pCi/L	0.0550	05/27/93
EB	RADS	AB-002-EB	14269-63-7	Th-230	0.1700 UJ	0.0500	pCi/L	0.0870	05/27/93
EB	RADS	AB-002-EB	7440-29-1	Th-232	0.0090 U	0.0230	pCi/L	0.0220	05/27/93
EB	RADS	AB-002-EB	13966-29-5	U-234	0.0450	0.1160	pCi/L	0.0700	05/27/93
EB	RADS	AB-002-EB	15117-96-1	U-235	0.0050 U	0.0360	pCi/L	0.0230	05/27/93
EB	RADS	AB-002-EB	7440-61-1	U-238	0.0140 UJ	0.0440	pCi/L	0.0320	05/27/93
EB	RADS	AB-007-EB	12587-46-1	Alpha	-1.1000 UJ	4.8000	pCi/L	2.6000	06/01/93
EB	RADS	AB-007-EB	12587-47-2	Beta	-1.6000 U	5.8000	pCi/L	4.8000	06/01/93
EB	RADS	AB-007-EB	14274-82-9	Th-228	-0.0090 U	0.0640	pCi/L	0.0240	06/01/93
EB	RADS	AB-007-EB	14269-63-7	Th-230	0.0500 UJ	0.0460	pCi/L	0.0490	06/01/93
EB	RADS	AB-007-EB	7440-29-1	Th-232	0.0090 U	0.0260	pCi/L	0.0080	06/01/93
EB	RADS	AB-007-EB	13966-29-5	U-234	0.0360 U	0.0490	pCi/L	0.0430	06/01/93
EB	RADS	AB-007-EB	15117-96-1	U-235	0.0090 U	0.0220	pCi/L	0.0190	06/01/93
EB	RADS	AB-007-EB	7440-61-1	U-238	-0.0050 UJ	0.0220	pCi/L	0.0040	06/01/93
EB	RADS	GW-674-EB	12587-46-1	Alpha	0.8700 UJ	3.1000	pCi/L	2.0000	06/15/93
EB	RADS	GW-674-EB	12587-47-2	Beta	0.1700 UJ	5.2000	pCi/L	3.0000	06/15/93
EB	RADS	GW-674-EB	14274-82-9	Th-228	0.0090 U	0.0300	pCi/L	0.0260	06/15/93
EB	RADS	GW-674-EB	14269-63-7	Th-230	0.1900 UJ	0.0720	pCi/L	0.1000	06/15/93
EB	RADS	GW-674-EB	7440-29-1	Th-232	0.0090 U	0.1120	pCi/L	0.0260	06/15/93
EB	RADS	GW-674-EB	13966-29-5	U-234	0.2200 J	0.2600	pCi/L	0.2100	06/15/93
EB	RADS	GW-674-EB	15117-96-1	U-235	0.0270 UJ	0.0780	pCi/L	0.0690	06/15/93
EB	RADS	GW-674-EB	7440-61-1	U-238	0.0540	0.1110	pCi/L	0.0980	06/15/93
EB	RADS	SC-007-EB	12587-46-1	Alpha	4.2000 J	3.4000	pCi/L	2.6000	06/14/93
EB	RADS	SC-007-EB	12587-47-2	Beta	1.8000 U	5.5000	pCi/L	3.2000	06/14/93
EB	RADS	SC-007-EB	14274-82-9	Th-228	0.0140 U	0.0830	pCi/L	0.0470	06/14/93
EB	RADS	SC-007-EB	14269-63-7	Th-230	0.2800 UJ	0.0510	pCi/L	0.1200	06/14/93
EB	RADS	SC-007-EB	7440-29-1	Th-232	-0.0050 U	0.0270	pCi/L	0.0060	06/14/93
EB	RADS	SC-007-EB	13966-29-5	U-234	0.0090 U	0.1420	pCi/L	0.0720	06/14/93
EB	RADS	SC-007-EB	15117-96-1	U-235	0.0450 U	0.0000	pCi/L	0.0650	06/14/93
EB	RADS	SC-007-EB	7440-61-1	U-238	-0.0140 U	0.0760	pCi/L	0.0160	06/14/93
EB	RADS	SD-001-EB	12587-46-1	Alpha	0.7800 UJ	3.4000	pCi/L	2.1000	05/27/93
EB	RADS	SD-001-EB	12587-47-2	Beta	0.5300 U	5.5000	pCi/L	3.2000	05/27/93
EB	RADS	SD-001-EB	14274-82-9	Th-228	-0.0050 U	0.0610	pCi/L	0.0250	05/27/93
EB	RADS	SD-001-EB	14269-63-7	Th-230	0.0450 UJ	0.0710	pCi/L	0.0550	05/27/93
EB	RADS	SD-001-EB	7440-29-1	Th-232	0.0090 U	0.0000	pCi/L	0.0210	05/27/93
EB	RADS	SD-001-EB	13966-29-5	U-234	-0.0050 U	0.1180	pCi/L	0.0530	05/27/93
EB	RADS	SD-001-EB	15117-96-1	U-235	-0.0050 U	0.0270	pCi/L	0.0060	05/27/93
EB	RADS	SD-001-EB	7440-61-1	U-238	-0.0050 UJ	0.0380	pCi/L	0.0080	05/27/93
EB	RADS	SD-003-EC	12587-46-1	Alpha	2.3000 U	3.6000	pCi/L	2.6000	07/29/93
EB	RADS	SD-003-EC	12587-47-2	Beta	-1.2000 U	6.6000	pCi/L	3.9000	07/29/93
EB	RADS	SD-003-EC	14274-82-9	Th-228	0.3800	0.0510	pCi/L	0.1200	07/29/93
EB	RADS	SD-003-EC	14269-63-7	Th-230	0.0950 UJ	0.0550	pCi/L	0.0650	07/29/93
EB	RADS	SD-003-EC	7440-29-1	Th-232	0.0090 U	0.0290	pCi/L	0.0200	07/29/93
EB	RADS	SD-003-EC	13966-29-5	U-234	0.0990 U	0.1960	pCi/L	0.1400	07/29/93
EB	RADS	SD-003-EC	15117-96-1	U-235	-0.0180 U	0.1070	pCi/L	0.0220	07/29/93
EB	RADS	SD-003-EC	7440-61-1	U-238	-0.0180 U	0.1640	pCi/L	0.0630	07/29/93
EB	RADS	SO-001-EB	14274-82-9	Th-228	-0.0090 U	0.0750	pCi/L	0.0280	06/01/93
EB	RADS	SO-001-EB	14269-63-7	Th-230	0.1700 UJ	0.0880	pCi/L	0.0960	06/01/93
EB	RADS	SO-001-EB	7440-29-1	Th-232	0.0140 U	0.0000	pCi/L	0.0340	06/01/93
EB	RADS	SO-001-EB	13966-29-5	U-234	-0.0860 UJ	0.2890	pCi/L	0.0870	06/01/93
EB	RADS	SO-001-EB	15117-96-1	U-235	-0.0230 UJ	0.1290	pCi/L	0.0270	06/01/93
EB	RADS	SO-001-EB	7440-61-1	U-238	0.0000 UJ	0.0000	pCi/L	0.0000	06/01/93
EB	RADS	SO-010-EB	12587-46-1	Alpha	-0.3900 UJ	3.7000	pCi/L	2.0000	05/28/93
EB	RADS	SO-010-EB	12587-47-2	Beta	-0.9700 U	5.6000	pCi/L	3.1000	05/28/93
EB	RADS	SO-010-EB	14274-82-9	Th-228	-0.0180 U	0.0610	pCi/L	0.0130	05/28/93

QC Type	Analysis	Sample No.	CAS No.	Analyte	Concentr/ Q	MDA	Units	Uncertainty	Date Coll
EB	RADS	SO-010-EB	14269-63-7	Th-230	0.0180 UJ	0.0860	pCi/L	0.0480	05/28/93
EB	RADS	SO-010-EB	7440-29-1	Th-232	-0.0050 U	0.0000	pCi/L	0.0070	05/28/93
EB	RADS	SO-010-EB	13966-29-5	U-234	0.0410 U	0.0920	pCi/L	0.0590	05/28/93
EB	RADS	SO-010-EB	15117-96-1	U-235	0.0320 U	0.0250	pCi/L	0.0370	05/28/93
EB	RADS	SO-010-EB	7440-61-1	U-238	-0.0050 UJ	0.0600	pCi/L	0.0250	05/28/93
EB	RADS	SW-002-EB	12587-46-1	Alpha	3.2000 J	3.0000	pCi/L	2.3000	05/27/93
EB	RADS	SW-002-EB	12587-47-2	Beta	-3.0000 U	5.6000	pCi/L	3.0000	05/27/93
EB	RADS	SW-002-EB	14274-82-9	Th-228	0.0140 U	0.0370	pCi/L	0.0270	05/27/93
EB	RADS	SW-002-EB	14269-63-7	Th-230	0.0450 UJ	0.0220	pCi/L	0.0420	05/27/93
EB	RADS	SW-002-EB	7440-29-1	Th-232	0.0000 U	0.0000	pCi/L	0.0000	05/27/93
EB	RADS	SW-002-EB	13966-29-5	U-234	0.0090 U	0.0690	pCi/L	0.0370	05/27/93
EB	RADS	SW-002-EB	15117-96-1	U-235	0.0090 U	0.0280	pCi/L	0.0250	05/27/93
EB	RADS	SW-002-EB	7440-61-1	U-238	0.0140 J	0.0000	pCi/L	0.0240	05/27/93
EB	RADS	SW-003-EC	12587-46-1	Alpha	3.3000 U	5.2000	pCi/L	3.8000	05/27/93
EB	RADS	SW-003-EC	12587-47-2	Beta	0.2400 U	7.5000	pCi/L	4.4000	05/27/93
EB	RADS	SW-003-EC	14274-82-9	Th-228	0.0270 U	0.0570	pCi/L	0.0420	05/27/93
EB	RADS	SW-003-EC	14269-63-7	Th-230	0.1300 UJ	0.0230	pCi/L	0.0720	05/27/93
EB	RADS	SW-003-EC	7440-29-1	Th-232	0.0090 U	0.0000	pCi/L	0.0210	05/27/93
EB	RADS	SW-003-EC	13966-29-5	U-234	0.0410 U	0.0510	pCi/L	0.0550	05/27/93
EB	RADS	SW-003-EC	15117-96-1	U-235	-0.0050 U	0.0360	pCi/L	0.0070	05/27/93
EB	RADS	SW-003-EC	7440-61-1	U-238	0.0180 U	0.0000	pCi/L	0.0310	05/27/93
EB	RADS	SW-005-EB	14274-82-9	Th-228	0.0230 U	0.0820	pCi/L	0.0530	06/01/93
EB	RADS	SW-005-EB	14269-63-7	Th-230	0.3800 UJ	0.0340	pCi/L	0.1500	06/01/93
EB	RADS	SW-005-EB	7440-29-1	Th-232	0.0140 U	0.0000	pCi/L	0.0290	06/01/93
EB	RADS	SW-005-EB	13966-29-5	U-234	0.1200 J	0.1380	pCi/L	0.1400	06/01/93
EB	RADS	SW-005-EB	15117-96-1	U-235	0.0230 UJ	0.0690	pCi/L	0.0610	06/01/93
EB	RADS	SW-005-EB	7440-61-1	U-238	0.0540 UJ	0.0690	pCi/L	0.0850	06/01/93
FB	RADS	FB-DIW-01	12587-46-1	Alpha	0.4700 UJ	5.1000	pCi/L	3.0000	06/01/93
FB	RADS	FB-DIW-01	12587-47-2	Beta	3.2000 U	5.5000	pCi/L	3.3000	06/01/93
FB	RADS	FB-DIW-01	14274-82-9	Th-228	0.0270 U	0.0340	pCi/L	0.0360	06/01/93
FB	RADS	FB-DIW-01	14269-63-7	Th-230	0.0450 UJ	0.0420	pCi/L	0.0470	06/01/93
FB	RADS	FB-DIW-01	7440-29-1	Th-232	0.0050 U	0.0000	pCi/L	0.0220	06/01/93
FB	RADS	FB-DIW-01	13966-29-5	U-234	0.0500	0.0000	pCi/L	0.0500	06/01/93
FB	RADS	FB-DIW-01	15117-96-1	U-235	-0.0050 U	0.0290	pCi/L	0.0060	06/01/93
FB	RADS	FB-DIW-01	7440-61-1	U-238	0.0000 UJ	0.0000	pCi/L	0.0000	06/01/93
FB	RADS	FB-DIW-02	12587-46-1	Alpha	-0.6900 U	4.8000	pCi/L	2.7000	07/29/93
FB	RADS	FB-DIW-02	12587-47-2	Beta	-3.2000 U	7.0000	pCi/L	4.0000	07/29/93
FB	RADS	FB-DIW-02	14274-82-9	Th-228	-0.0050 U	0.0720	pCi/L	0.0290	07/29/93
FB	RADS	FB-DIW-02	14269-63-7	Th-230	0.2800 UJ	0.0840	pCi/L	0.1300	07/29/93
FB	RADS	FB-DIW-02	7440-29-1	Th-232	0.0090 U	0.0460	pCi/L	0.0260	07/29/93
FB	RADS	FB-DIW-02	13966-29-5	U-234	0.0050 UJ	0.2620	pCi/L	0.1200	07/29/93
FB	RADS	FB-DIW-02	15117-96-1	U-235	0.0000 UJ	0.0000	pCi/L	0.0000	07/29/93
FB	RADS	FB-DIW-02	7440-61-1	U-238	0.0410 UJ	0.0000	pCi/L	0.0800	07/29/93
FB	RADS	FB-HPL-01	12587-46-1	Alpha	-0.3000 U	3.4000	pCi/L	1.9000	06/02/93
FB	RADS	FB-HPL-01	12587-47-2	Beta	-0.4700 U	5.3000	pCi/L	3.0000	06/02/93
FB	RADS	FB-HPL-01	14274-82-9	Th-228	-0.0050 U	0.0950	pCi/L	0.0410	06/02/93
FB	RADS	FB-HPL-01	14269-63-7	Th-230	0.3400 UJ	0.0730	pCi/L	0.1400	06/02/93
FB	RADS	FB-HPL-01	7440-29-1	Th-232	0.0000 U	0.0230	pCi/L	0.0000	06/02/93
FB	RADS	FB-HPL-01	13966-29-5	U-234	0.0500 UJ	0.1770	pCi/L	0.1100	06/02/93
FB	RADS	FB-HPL-01	15117-96-1	U-235	-0.0090 UJ	0.0720	pCi/L	0.0150	06/02/93
FB	RADS	FB-HPL-01	7440-61-1	U-238	-0.0090 UJ	0.0720	pCi/L	0.0150	06/02/93
FB	RADS	FB-HPL-02	12587-46-1	Alpha	6.2000	5.1000	pCi/L	4.2000	07/29/93
FB	RADS	FB-HPL-02	12587-47-2	Beta	1.5000 U	7.4000	pCi/L	4.4000	07/29/93
FB	RADS	FB-HPL-02	14274-82-9	Th-228	0.0230 U	0.0540	pCi/L	0.0410	07/29/93
FB	RADS	FB-HPL-02	14269-63-7	Th-230	0.3400 UJ	0.0270	pCi/L	0.1200	07/29/93
FB	RADS	FB-HPL-02	7440-29-1	Th-232	0.0230 U	0.0000	pCi/L	0.0330	07/29/93
FB	RADS	FB-HPL-02	13966-29-5	U-234	0.0180 UJ	0.1170	pCi/L	0.0750	07/29/93

<u>QC Type</u>	<u>Analysis</u>	<u>Sample No.</u>	<u>CAS No.</u>	<u>Analyte</u>	<u>Concentr/ Q</u>	<u>MDA</u>	<u>Units</u>	<u>Uncertainty</u>	<u>Date Coll</u>
FB	RADS	FB-HPL-02	15117-96-1	U-235	-0.0090 UJ	0.0830	pCi/L	0.0170	07/29/93
FB	RADS	FB-HPL-02	7440-61-1	U-238	0.0000 UJ	0.0000	pCi/L	0.0000	07/29/93
FB	RADS	FB-POT-01	12587-46-1	Alpha	-2.9000 UJ	5.5000	pCi/L	2.7000	05/26/93
FB	RADS	FB-POT-01	12587-47-2	Beta	4.6000 U	5.7000	pCi/L	3.5000	05/26/93
FB	RADS	FB-POT-01	14274-82-9	Th-228	-0.0140 U	0.0740	pCi/L	0.0260	05/26/93
FB	RADS	FB-POT-01	14269-63-7	Th-230	0.0810 UJ	0.0430	pCi/L	0.0610	05/26/93
FB	RADS	FB-POT-01	7440-29-1	Th-232	0.0270 U	0.0660	pCi/L	0.0380	05/26/93
FB	RADS	FB-POT-01	13966-29-5	U-234	0.0810	0.0710	pCi/L	0.0720	05/26/93
FB	RADS	FB-POT-01	15117-96-1	U-235	0.0410 U	0.0580	pCi/L	0.0510	05/26/93
FB	RADS	FB-POT-01	7440-61-1	U-238	0.0720 J	0.0290	pCi/L	0.0610	05/26/93
FB	RADS	FB-POT-02	12587-46-1	Alpha	5.5000 U	6.4000	pCi/L	4.9000	07/29/93
FB	RADS	FB-POT-02	12587-47-2	Beta	4.1000 U	7.9000	pCi/L	4.9000	07/29/93
FB	RADS	FB-POT-02	14274-82-9	Th-228	-0.0140 U	0.1520	pCi/L	0.0640	07/29/93
FB	RADS	FB-POT-02	14269-63-7	Th-230	0.6900 UJ	0.0650	pCi/L	0.2300	07/29/93
FB	RADS	FB-POT-02	7440-29-1	Th-232	0.0770 U	0.0000	pCi/L	0.0790	07/29/93
FB	RADS	FB-POT-02	13966-29-5	U-234	0.0860 U	0.1040	pCi/L	0.1000	07/29/93
FB	RADS	FB-POT-02	15117-96-1	U-235	0.0410 U	0.0850	pCi/L	0.0750	07/29/93
FB	RADS	FB-POT-02	7440-61-1	U-238	0.0540 U	0.0000	pCi/L	0.0730	07/29/93
FB	RADS	FB-POT-02D	12587-46-1	Alpha	0.0000 U	6.1000	pCi/L	3.6000	07/29/93
FB	RADS	FB-POT-02D	12587-47-2	Beta	0.6300 U	7.9000	pCi/L	4.7000	07/29/93
FB	RADS	FB-POT-02D	14274-82-9	Th-228	-0.0090 U	0.0510	pCi/L	0.0100	07/29/93
FB	RADS	FB-POT-02D	14269-63-7	Th-230	0.2300 UJ	0.0000	pCi/L	0.1100	07/29/93
FB	RADS	FB-POT-02D	7440-29-1	Th-232	0.0230 U	0.0000	pCi/L	0.0360	07/29/93
FB	RADS	FB-POT-02D	13966-29-5	U-234	0.0810	0.0590	pCi/L	0.0810	07/29/93
FB	RADS	FB-POT-02D	15117-96-1	U-235	-0.0050 U	0.0420	pCi/L	0.0090	07/29/93
FB	RADS	FB-POT-02D	7440-61-1	U-238	0.0180 U	0.0000	pCi/L	0.0360	07/29/93

Summary of Data Qualifiers by Parameter for Phase 2 Data

Analyte	No Qualifier	B	J	JP	R	U	UJ	Totals
1,1,1-Trichloroethane					2	23	3	28
1,1,2,2-Tetrachloroethane					15	9	4	28
1,1,2-Trichloroethane					2	23	3	28
1,1-Dichloroethane						23	5	28
1,1-Dichloroethene						23	5	28
1,2,4-Trichlorobenzene					2	70	2	74
1,2-Dichlorobenzene					2	72		74
1,2-Dichloroethane					1	17	10	28
1,2-Dichloroethene (total)						23	5	28
1,2-Dichloropropane					2	23	3	28
1,3-Dichlorobenzene					2	71	1	74
1,4-Dichlorobenzene					2	72		74
2,2'-Oxybis(1-Chloropropane)					2	45	27	74
2,4,5-Trichlorophenol						74		74
2,4,6-Trichlorophenol						74		74
2,4-Dichlorophenol						71	3	74
2,4-Dimethylphenol						74		74
2,4-Dinitrophenol						35	39	74
2,4-Dinitrotoluene					2	72		74
2,6-Dinitrotoluene					2	72		74
2-Butanone			1			3	24	28
2-Chloronaphthalene					2	71	1	74
2-Chlorophenol						74		74
2-Hexanone					2	5	21	28
2-Methylnaphthalene			3		2	69		74
2-Methylphenol						74		74
2-Nitroaniline					2	41	31	74
2-Nitrophenol						73	1	74
3,3'-Dichlorobenzidine					2	49	23	74
3-Nitroaniline					2	64	8	74
4,4'-DDD			1			1	2	4
4,4'-DDE						2	2	4
4,4'-DDT						2	2	4
4,6-Dinitro-2-Methylphenol						67	7	74
4-Bromophenyl-phenylether					2	72		74
4-Chloro-3-Methylphenol					2	70	2	74
4-Chloroaniline					2	68	4	74
4-Chlorophenyl-phenylether					2	72		74
4-Methyl-2-Pentanone					2	3	23	28
4-Methylphenol			3			70	1	74
4-Nitroaniline					2	62	10	74
4-Nitrophenol			2			36	36	74
Acenaphthene					2	72		74
Acenaphthylene					2	72		74
Acetone			1			1	26	28
Aldrin						2	2	4
Alpha	2		12			8	5	27
alpha-BHC			1	1			2	4
alpha-Chlordane						2	2	4
Aluminum	68		1			13		82
Anthracene					2	72		74
Antimony					1	36	45	82
Aroclor-1016						2	2	4

Summary of Data Qualifiers by Parameter for Phase 2 Data

Analyte	No Qualifier	B	J	JP	R	U	UJ	Totals
Aroclor-1221						2	2	4
Aroclor-1232						2	2	4
Aroclor-1242						2	2	4
Aroclor-1248						2	2	4
Aroclor-1254						2	2	4
Aroclor-1260						2	2	4
Arsenic	29		30			17	6	82
Barium	81						1	82
Benzene					2	23	3	28
Benzo(a)Anthracene					2	72		74
Benzo(a)Pyrene					2	72		74
Benzo(b)Fluoranthene					2	71	1	74
Benzo(g,h,i)Perylene					3	63	8	74
Benzo(k)Fluoranthene					2	72		74
Beryllium	38					44		82
Beta	7		9			11		27
beta-BHC						2	2	4
bis(2-Chloroethoxy)Methane					2	72		74
bis(2-Chloroethyl)Ether					2	64	8	74
bis(2-Ethylhexyl)Phthalate	2		14		1	52	5	74
Bromodichloromethane					2	23	3	28
Bromoform					2	22	4	28
Bromomethane						23	5	28
Butylbenzylphthalate			13		2	56	3	74
Cadmium						57	25	82
Calcium	82							82
Carbazole					2	72		74
Carbon Disulfide						22	6	28
Carbon Tetrachloride					2	22	4	28
Chlorobenzene					2	23	3	28
Chloroethane						16	12	28
Chloroform			2			23	3	28
Chloromethane						13	15	28
Chromium	45		3			34		82
Chromium VI						7		7
Chrysene					2	72		74
cis-1,3-Dichloropropene					2	23	3	28
Cobalt	44		3			35		82
Copper	43		2			37		82
delta-BHC						2	2	4
Di-n-Butylphthalate			5		2	67		74
Di-n-Octyl Phthalate			1		2	56	15	74
Dibenz(a,h)Anthracene					2	69	3	74
Dibenzofuran					2	72		74
Dibromochloromethane					2	23	3	28
Dieldrin							4	4
Diethylphthalate			2		2	70		74
Dimethyl Phthalate					2	71	1	74
Endosulfan I						2	2	4
Endosulfan II						2	2	4
Endosulfan sulfate						2	2	4
Endrin						2	2	4
Endrin aldehyde						2	2	4

Summary of Data Qualifiers by Parameter for Phase 2 Data

Analyte	No Qualifier	B	J	JP	R	U	UJ	Totals
Endrin ketone						2	2	4
Ethylbenzene					2	23	3	28
Fluoranthene					2	72		74
Fluorene					2	71	1	74
gamma-BHC						2	2	4
gamma-Chlordane						2	2	4
Heptachlor						2	2	4
Heptachlor epoxide						2	2	4
Hexachlorobenzene					2	67	5	74
Hexachlorobutadiene					2	65	7	74
Hexachlorocyclopentadiene					2	66	6	74
Hexachloroethane					2	72		74
Indeno(1,2,3-cd)Pyrene					2	67	5	74
Iron	57		10			15		82
Isophorone					2	72		74
Lead	26		28			16	12	82
Magnesium	82							82
Manganese	69		12			1		82
Mercury	26		1			55		82
Methoxychlor							4	4
Methylene Chloride						4	24	28
N-Nitroso-Di-n-Propylamine					2	58	14	74
N-Nitrosodiphenylamine					2	72		74
Naphthalene					2	72		74
Nickel	40					42		82
Nitrobenzene					2	72		74
Pentachlorophenol						69	5	74
Phenanthrene			1		2	71		74
Phenol			4			68	2	74
Potassium	54					28		82
Pyrene					2	72		74
Selenium	1		32		5	19	25	82
Silver						67	15	82
Sodium	71	1	1			9		82
Styrene					2	23	3	28
Tetrachloroethene					2	23	3	28
Thallium	4		1			47	30	82
Thorium-228	48		3			21		72
Thorium-230	27		4			19	22	72
Thorium-232	48		1			22	1	72
Toluene					2	23	3	28
Toxaphene						2	2	4
trans-1,3-Dichloropropene					2	23	3	28
Trichloroethene			1		2	22	3	28
Uranium-234	68		2			1	1	72
Uranium-235	37					34	1	72
Uranium-238	55		9			6	2	72
Vanadium	46		4			32		82
Vinyl Chloride						19	9	28
Xylene (total)					2	23	3	28
Zinc	57		18			7		82
Totals	1257	1	241	1	162	5703	786	8151

[illegible]

[illegible]

Summary of Data Qualifiers by Parameter for Phase 2 Quality Control Data

Analyte	No Qualifier	B	BJ	E	J	JP	P	R	U	UJ	Totals
Endrin ketone					2				4		6
Ethylbenzene									47		47
Fluoranthene					1				30		31
Fluorene									31		31
gamma-BHC	2						2		2		6
gamma-Chlordane									6		6
Heptachlor	2						2		2		6
Heptachlor epoxide									6		6
Hexachlorobenzene									31		31
Hexachlorobutadiene									27	4	31
Hexachlorocyclopentadiene									28	3	31
Hexachloroethane									31		31
Indeno(1,2,3-cd)Pyrene									31		31
Iron	16								11		27
Isophorone									31		31
Lead	14				2				14	1	31
Magnesium	14								12		26
Manganese	20				1				8	2	31
Mercury	17								14		31
Methoxychlor					1	1			3	1	6
Methylene Chloride		5	7		2				12	21	47
N-Nitroso-Di-n-Propylamine	14								12	5	31
N-Nitrosodiphenylamine									31		31
Naphthalene					1				30		31
Nickel	14								17		31
Nitrobenzene									31		31
Pentachlorophenol	10			4					6	11	31
Phenanthrene					1				30		31
Phenol	14		1		4				12		31
Potassium	11								15		26
Pyrene	14				1				16		31
Selenium	13								7	10	30
Silver	14								17		31
Sodium	17								8		25
Styrene									47		47
Tetrachloroethene									47		47
Th-228	2								16		18
Th-230										18	18
Th-232									18		18
Thallium	12								14	3	29
Toluene	12				7				27	1	47
Toxaphene									6		6
trans-1,3-Dichloropropene									47		47
Trichloroethene	13								34		47
U-234	4				2				8	4	18
U-235									12	6	18
U-238	1				2				5	10	18
Vanadium	12								17		29
Vinyl Chloride									34	13	47
Xylene (total)									47		47
Zinc	25				3				1		29
Totals	616	9	16	6	84	4	6	32	3401	352	4526

**Summary of Relative Percent Difference (RPD) Calculations
for Field Duplicate Results from the Phase 2 RI**

Analysis	Media	Avg RPD	Min RPD	Max RPD
METALS	ASH	31.1%	0.0%	136.3%
METALS	GW	25.6%	0.0%	99.7%
METALS	SED	25.0%	0.8%	103.9%
METALS	SOIL	20.4%	0.4%	110.3%
METALS	SW	13.2%	0.0%	114.8%
ORG	ASH	*	*	*
ORG	GW	0.0%	0.0%	0.0%
ORG	SED	*	*	*
ORG	SOIL	0.0%	0.0%	0.0%
ORG	SW	28.6%	0.0%	28.6%
PEST/PCB	ASH	14.3%	0.0%	14.3%
RADS	ASH	12.5%	0.0%	69.8%
RADS	GW	18.5%	10.5%	26.4%
RADS	SED	27.1%	0.0%	87.0%
RADS	SOIL	24.7%	2.1%	84.8%
RADS	SW	43.0%	9.5%	89.9%

* Detected in only one sample (regular or duplicate) from that location;
"U", "UJ", and "R" results were not used.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	ASH	AB-004-01	FCAP	Aluminum	15,700.00	MG/KG	20,900.00	28.4%
METALS	ASH	AB-004-01	FCAP	Arsenic	47.20	MG/KG	59.10	22.4%
METALS	ASH	AB-004-01	FCAP	Barium	352.00	MG/KG	452.00	24.9%
METALS	ASH	AB-004-01	FCAP	Beryllium	2.60	MG/KG	2.90	10.9%
METALS	ASH	AB-004-01	FCAP	Calcium	3,930.00	MG/KG	6,030.00	42.2%
METALS	ASH	AB-004-01	FCAP	Chromium	18.40	MG/KG	22.80	21.4%
METALS	ASH	AB-004-01	FCAP	Cobalt	10.70	MG/KG	17.50	48.2%
METALS	ASH	AB-004-01	FCAP	Copper	47.60	MG/KG	58.10	19.9%
METALS	ASH	AB-004-01	FCAP	Iron	12,900.00	MG/KG	33,500.00	88.8%
METALS	ASH	AB-004-01	FCAP	Lead	10.00	MG/KG	13.60	30.5%
METALS	ASH	AB-004-01	FCAP	Magnesium	1,300.00	MG/KG	1,850.00	34.9%
METALS	ASH	AB-004-01	FCAP	Manganese	70.50	MG/KG	112.00	45.5%
METALS	ASH	AB-004-01	FCAP	Mercury	0.29	MG/KG	0.42	36.6%
METALS	ASH	AB-004-01	FCAP	Nickel	21.10	MG/KG	31.20	38.6%
METALS	ASH	AB-004-01	FCAP	Potassium	3,420.00	MG/KG	4,600.00	29.4%
METALS	ASH	AB-004-01	FCAP	Selenium	8.10 J	MG/KG	13.00 J	46.4%
METALS	ASH	AB-004-01	FCAP	Sodium	566.00	MG/KG	725.00	24.6%
METALS	ASH	AB-004-01	FCAP	Vanadium	68.50	MG/KG	76.70	11.3%
METALS	ASH	AB-004-01	FCAP	Zinc	34.90	MG/KG	44.20	23.5%
METALS	ASH	AB-009-01	FCAP	Aluminum	15,700.00	MG/KG	17,900.00	13.1%
METALS	ASH	AB-009-01	FCAP	Arsenic	35.50 J	MG/KG	64.90 J	58.6%
METALS	ASH	AB-009-01	FCAP	Barium	310.00	MG/KG	376.00	19.2%
METALS	ASH	AB-009-01	FCAP	Beryllium	1.70	MG/KG	1.80	5.7%
METALS	ASH	AB-009-01	FCAP	Calcium	3,070.00	MG/KG	3,520.00	13.7%
METALS	ASH	AB-009-01	FCAP	Chromium	17.50	MG/KG	19.60	11.3%
METALS	ASH	AB-009-01	FCAP	Cobalt	17.00 J	MG/KG	19.70 J	14.7%
METALS	ASH	AB-009-01	FCAP	Copper	44.30	MG/KG	54.20	20.1%
METALS	ASH	AB-009-01	FCAP	Iron	66,200.00	MG/KG	88,200.00	28.5%
METALS	ASH	AB-009-01	FCAP	Lead	8.60	MG/KG	8.60	0.0%
METALS	ASH	AB-009-01	FCAP	Magnesium	1,370.00	MG/KG	1,550.00	12.3%
METALS	ASH	AB-009-01	FCAP	Manganese	220.00	MG/KG	288.00	26.8%
METALS	ASH	AB-009-01	FCAP	Mercury	0.18 U	MG/KG	0.24	NA
METALS	ASH	AB-009-01	FCAP	Nickel	34.50	MG/KG	38.70	11.5%
METALS	ASH	AB-009-01	FCAP	Potassium	3,650.00	MG/KG	4,240.00	15.0%
METALS	ASH	AB-009-01	FCAP	Selenium	5.80 J	MG/KG	6.10 J	5.0%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	ASH	AB-009-01	FCAP	Sodium	508.00	MG/KG	560.00	9.7%
METALS	ASH	AB-009-01	FCAP	Vanadium	30.70 J	MG/KG	32.90 J	6.9%
METALS	ASH	AB-009-01	FCAP	Zinc	30.80	MG/KG	37.10	18.6%
METALS	ASH	SC-002-01	SC	Aluminum	11,000.00	MG/KG	14,100.00	24.7%
METALS	ASH	SC-002-01	SC	Arsenic	132.00	MG/KG	153.00 J	14.7%
METALS	ASH	SC-002-01	SC	Barium	388.00	MG/KG	421.00	8.2%
METALS	ASH	SC-002-01	SC	Beryllium	0.92	MG/KG	1.60	54.0%
METALS	ASH	SC-002-01	SC	Calcium	4,230.00	MG/KG	4,610.00	8.6%
METALS	ASH	SC-002-01	SC	Chromium	12.70	MG/KG	17.10 J	29.5%
METALS	ASH	SC-002-01	SC	Cobalt	7.00	MG/KG	28.60 J	121.3%
METALS	ASH	SC-002-01	SC	Copper	41.90	MG/KG	70.10 J	50.4%
METALS	ASH	SC-002-01	SC	Iron	72,700.00 J	MG/KG	183,000.00	86.3%
METALS	ASH	SC-002-01	SC	Lead	9.00 J	MG/KG	10.60	16.3%
METALS	ASH	SC-002-01	SC	Magnesium	940.00	MG/KG	1,010.00	7.2%
METALS	ASH	SC-002-01	SC	Manganese	167.00 J	MG/KG	245.00	37.9%
METALS	ASH	SC-002-01	SC	Mercury	0.16	MG/KG	0.17	6.1%
METALS	ASH	SC-002-01	SC	Nickel	21.00	MG/KG	39.90	62.1%
METALS	ASH	SC-002-01	SC	Potassium	980.00	MG/KG	1,920.00	64.8%
METALS	ASH	SC-002-01	SC	Selenium	3.60 J	MG/KG	3.80 J	5.4%
METALS	ASH	SC-002-01	SC	Sodium	220.00	MG/KG	342.00	43.4%
METALS	ASH	SC-002-01	SC	Vanadium	9.00 J	MG/KG	47.50	136.3%
METALS	ASH	SC-002-01	SC	Zinc	24.70 J	MG/KG	40.00	47.3%
METALS	GW	GW-513-01	SC	Aluminum	1,290.00	UG/L	2,140.00	49.6%
METALS	GW	GW-513-01	SC	Arsenic	3.10	UG/L	3.80	20.3%
METALS	GW	GW-513-01	SC	Barium	9.50	UG/L	28.40	99.7%
METALS	GW	GW-513-01	SC	Calcium	37,600.00	UG/L	37,600.00	0.0%
METALS	GW	GW-513-01	SC	Copper	4.00 U	UG/L	4.20	NA
METALS	GW	GW-513-01	SC	Iron	1,140.00	UG/L	1,380.00	19.0%
METALS	GW	GW-513-01	SC	Lead	2.70	UG/L	3.10	13.8%
METALS	GW	GW-513-01	SC	Magnesium	21,400.00	UG/L	21,500.00	0.5%
METALS	GW	GW-513-01	SC	Manganese	14.80	UG/L	21.30	36.0%
METALS	GW	GW-513-01	SC	Potassium	1,580.00	UG/L	1,710.00	7.9%
METALS	GW	GW-513-01	SC	Sodium	698.00	UG/L	981.00	33.7%
METALS	GW	GW-513-01	SC	Zinc	22.80 J	UG/L	62.70 J	93.3%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	GW	GW-513-01(F)	SC	Aluminum	50.60	UG/L	61.40	19.3%
METALS	GW	GW-513-01(F)	SC	Barium	8.00	UG/L	8.20	2.5%
METALS	GW	GW-513-01(F)	SC	Calcium	39,900.00	UG/L	41,000.00	2.7%
METALS	GW	GW-513-01(F)	SC	Magnesium	23,200.00	UG/L	23,700.00	2.1%
METALS	GW	GW-513-01(F)	SC	Manganese	1.00 U	UG/L	1.20	NA
METALS	GW	GW-513-01(F)	SC	Mercury	0.20 U	UG/L	0.30	NA
METALS	GW	GW-513-01(F)	SC	Potassium	1,352.00 U	UG/L	1,580.00	NA
METALS	GW	GW-513-01(F)	SC	Sodium	775.00	UG/L	847.00	8.9%
METALS	SED	SD-001-01	FCAP	Aluminum	10,600.00	MG/KG	11,500.00	8.1%
METALS	SED	SD-001-01	FCAP	Arsenic	53.50 J	MG/KG	76.60 J	35.5%
METALS	SED	SD-001-01	FCAP	Barium	88.40	MG/KG	98.10	10.4%
METALS	SED	SD-001-01	FCAP	Beryllium	0.56 U	MG/KG	0.78	NA
METALS	SED	SD-001-01	FCAP	Calcium	1,190.00	MG/KG	1,450.00	19.7%
METALS	SED	SD-001-01	FCAP	Chromium	10.40	MG/KG	32.90	103.9%
METALS	SED	SD-001-01	FCAP	Cobalt	9.60	MG/KG	11.10	14.5%
METALS	SED	SD-001-01	FCAP	Copper	12.00	MG/KG	12.10	0.8%
METALS	SED	SD-001-01	FCAP	Iron	18,600.00	MG/KG	30,100.00	47.2%
METALS	SED	SD-001-01	FCAP	Lead	16.90 J	MG/KG	18.20 J	7.4%
METALS	SED	SD-001-01	FCAP	Magnesium	621.00	MG/KG	727.00	15.7%
METALS	SED	SD-001-01	FCAP	Manganese	603.00	MG/KG	976.00	47.2%
METALS	SED	SD-001-01	FCAP	Nickel	13.00	MG/KG	16.30	22.5%
METALS	SED	SD-001-01	FCAP	Potassium	620.00 U	MG/KG	748.00	NA
METALS	SED	SD-001-01	FCAP	Selenium	0.83 U	MG/KG	1.00 J	NA
METALS	SED	SD-001-01	FCAP	Sodium	206.00 J	MG/KG	218.00	5.7%
METALS	SED	SD-001-01	FCAP	Vanadium	29.20	MG/KG	35.50	19.5%
METALS	SED	SD-001-01	FCAP	Zinc	38.60 J	MG/KG	40.00	3.6%
METALS	SED	SD-004-01	UMC	Aluminum	6,520.00	MG/KG	9,320.00	35.4%
METALS	SED	SD-004-01	UMC	Arsenic	121.00 J	MG/KG	167.00 J	31.9%
METALS	SED	SD-004-01	UMC	Barium	204.00	MG/KG	309.00	40.9%
METALS	SED	SD-004-01	UMC	Beryllium	1.10	MG/KG	1.40	24.0%
METALS	SED	SD-004-01	UMC	Calcium	2,600.00	MG/KG	3,640.00	33.3%
METALS	SED	SD-004-01	UMC	Chromium	7.30	MG/KG	8.50	15.2%
METALS	SED	SD-004-01	UMC	Cobalt	16.50	MG/KG	20.70	22.6%
METALS	SED	SD-004-01	UMC	Copper	14.40	MG/KG	19.10	28.1%
METALS	SED	SD-004-01	UMC	Iron	21,900.00	MG/KG	23,100.00	5.3%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	SED	SD-004-01	UMC	Lead	6.60 J	MG/KG	6.70 J	1.5%
METALS	SED	SD-004-01	UMC	Magnesium	783.00	MG/KG	1,020.00	26.3%
METALS	SED	SD-004-01	UMC	Manganese	2,700.00	MG/KG	4,030.00	39.5%
METALS	SED	SD-004-01	UMC	Nickel	23.40	MG/KG	30.70	27.0%
METALS	SED	SD-004-01	UMC	Potassium	1,080.00	MG/KG	1,750.00	47.3%
METALS	SED	SD-004-01	UMC	Selenium	1.30 UJ	MG/KG	2.40 J	NA
METALS	SED	SD-004-01	UMC	Sodium	329.00	MG/KG	385.00	15.7%
METALS	SED	SD-004-01	UMC	Vanadium	20.50	MG/KG	27.30	28.5%
METALS	SED	SD-004-01	UMC	Zinc	136.00	MG/KG	157.00	14.3%
METALS	SOIL	SC-002-02	SC	Aluminum	7,460.00	MG/KG	11,400.00	41.8%
METALS	SOIL	SC-002-02	SC	Arsenic	14.80 J	MG/KG	51.20	110.3%
METALS	SOIL	SC-002-02	SC	Barium	112.00	MG/KG	125.00	11.0%
METALS	SOIL	SC-002-02	SC	Calcium	612.00	MG/KG	628.00	2.6%
METALS	SOIL	SC-002-02	SC	Chromium	6.90	MG/KG	12.90	60.6%
METALS	SOIL	SC-002-02	SC	Cobalt	9.70	MG/KG	9.80	1.0%
METALS	SOIL	SC-002-02	SC	Iron	8,950.00 J	MG/KG	13,000.00 J	36.9%
METALS	SOIL	SC-002-02	SC	Lead	24.70 J	MG/KG	24.80 J	0.4%
METALS	SOIL	SC-002-02	SC	Magnesium	213.00	MG/KG	379.00	56.1%
METALS	SOIL	SC-002-02	SC	Manganese	1,880.00 J	MG/KG	1,920.00 J	2.1%
METALS	SOIL	SC-002-02	SC	Nickel	7.70	MG/KG	8.00	3.8%
METALS	SOIL	SC-002-02	SC	Selenium	0.72 R	MG/KG	1.10 J	NA
METALS	SOIL	SC-002-02	SC	Sodium	33.60	MG/KG	37.20	10.2%
METALS	SOIL	SC-002-02	SC	Vanadium	17.10	MG/KG	22.10	25.5%
METALS	SOIL	SC-002-02	SC	Zinc	13.80	MG/KG	18.70	30.2%
METALS	SOIL	SC-007-02	SC	Aluminum	5,930.00	MG/KG	6,060.00	2.2%
METALS	SOIL	SC-007-02	SC	Arsenic	17.50 J	MG/KG	50.00	96.3%
METALS	SOIL	SC-007-02	SC	Barium	61.90	MG/KG	71.10	13.8%
METALS	SOIL	SC-007-02	SC	Calcium	762.00	MG/KG	894.00	15.9%
METALS	SOIL	SC-007-02	SC	Chromium	11.50	MG/KG	16.60	36.3%
METALS	SOIL	SC-007-02	SC	Cobalt	12.40	MG/KG	13.20	6.3%
METALS	SOIL	SC-007-02	SC	Copper	6.10	MG/KG	6.40	4.8%
METALS	SOIL	SC-007-02	SC	Iron	11,400.00 J	MG/KG	16,400.00 J	36.0%
METALS	SOIL	SC-007-02	SC	Lead	15.30 J	MG/KG	25.40 J	49.6%
METALS	SOIL	SC-007-02	SC	Magnesium	222.00	MG/KG	232.00	4.4%
METALS	SOIL	SC-007-02	SC	Manganese	674.00 J	MG/KG	722.00 J	6.9%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	SOIL	SC-007-02	SC	Nickel	7.60 U	MG/KG	8.10	NA
METALS	SOIL	SC-007-02	SC	Selenium	0.74 R	MG/KG	0.97 J	NA
METALS	SOIL	SC-007-02	SC	Sodium	31.70 U	MG/KG	34.90	NA
METALS	SOIL	SC-007-02	SC	Vanadium	22.70	MG/KG	32.40	35.2%
METALS	SOIL	SC-007-02	SC	Zinc	19.40	MG/KG	21.00	7.9%
METALS	SOIL	SO-001-01	FCAP	Aluminum	24,500.00	MG/KG	28,800.00	16.1%
METALS	SOIL	SO-001-01	FCAP	Arsenic	140.00	MG/KG	153.00	8.9%
METALS	SOIL	SO-001-01	FCAP	Barium	556.00	MG/KG	630.00	12.5%
METALS	SOIL	SO-001-01	FCAP	Beryllium	5.30	MG/KG	5.90	10.7%
METALS	SOIL	SO-001-01	FCAP	Calcium	6,810.00	MG/KG	6,940.00	1.9%
METALS	SOIL	SO-001-01	FCAP	Chromium	29.80	MG/KG	35.30	16.9%
METALS	SOIL	SO-001-01	FCAP	Cobalt	22.20	MG/KG	26.10	16.1%
METALS	SOIL	SO-001-01	FCAP	Copper	83.70	MG/KG	90.20	7.5%
METALS	SOIL	SO-001-01	FCAP	Iron	27,100.00	MG/KG	37,500.00	32.2%
METALS	SOIL	SO-001-01	FCAP	Lead	20.90	MG/KG	22.40	6.9%
METALS	SOIL	SO-001-01	FCAP	Magnesium	1,830.00	MG/KG	2,120.00	14.7%
METALS	SOIL	SO-001-01	FCAP	Manganese	161.00	MG/KG	186.00	14.4%
METALS	SOIL	SO-001-01	FCAP	Mercury	0.94	MG/KG	0.98	4.2%
METALS	SOIL	SO-001-01	FCAP	Nickel	49.30	MG/KG	50.30	2.0%
METALS	SOIL	SO-001-01	FCAP	Potassium	4,900.00	MG/KG	5,680.00	14.7%
METALS	SOIL	SO-001-01	FCAP	Selenium	6.50 J	MG/KG	6.80 J	4.5%
METALS	SOIL	SO-001-01	FCAP	Sodium	744.00	MG/KG	796.00	6.8%
METALS	SOIL	SO-001-01	FCAP	Thallium	2.10	MG/KG	2.50 UJ	NA
METALS	SOIL	SO-001-01	FCAP	Vanadium	103.00	MG/KG	112.00	8.4%
METALS	SOIL	SO-001-01	FCAP	Zinc	64.90	MG/KG	66.20	2.0%
METALS	SOIL	SO-010-01	BKGD	Aluminum	5,630.00	MG/KG	7,250.00	25.2%
METALS	SOIL	SO-010-01	BKGD	Arsenic	2.70 J	MG/KG	3.10 J	13.8%
METALS	SOIL	SO-010-01	BKGD	Barium	64.90	MG/KG	69.70	7.1%
METALS	SOIL	SO-010-01	BKGD	Calcium	1,310.00	MG/KG	1,860.00	34.7%
METALS	SOIL	SO-010-01	BKGD	Chromium	3.70	MG/KG	5.00	29.9%
METALS	SOIL	SO-010-01	BKGD	Cobalt	2.80	MG/KG	3.50	22.2%
METALS	SOIL	SO-010-01	BKGD	Iron	3,650.00	MG/KG	4,350.00	17.5%
METALS	SOIL	SO-010-01	BKGD	Lead	9.80 J	MG/KG	15.80 J	46.9%
METALS	SOIL	SO-010-01	BKGD	Magnesium	398.00	MG/KG	457.00	13.8%
METALS	SOIL	SO-010-01	BKGD	Manganese	696.00	MG/KG	826.00	17.1%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	SOIL	SO-010-01	BKGD	Mercury	0.13 U	MG/KG	0.29	NA
METALS	SOIL	SO-010-01	BKGD	Sodium	161.00	MG/KG	186.00	14.4%
METALS	SOIL	SO-010-01	BKGD	Vanadium	9.40	MG/KG	11.40	19.2%
METALS	SOIL	SO-010-01	BKGD	Zinc	24.80	MG/KG	34.80	33.6%
METALS	SW	SW-004-01	UMC	Arsenic	12.40	UG/L	18.00	36.8%
METALS	SW	SW-004-01	UMC	Barium	153.00	UG/L	155.00	1.3%
METALS	SW	SW-004-01	UMC	Calcium	40,000.00	UG/L	40,300.00	0.7%
METALS	SW	SW-004-01	UMC	Iron	60.90	UG/L	88.00	36.4%
METALS	SW	SW-004-01	UMC	Magnesium	15,400.00	UG/L	15,600.00	1.3%
METALS	SW	SW-004-01	UMC	Manganese	25.60	UG/L	36.90	36.2%
METALS	SW	SW-004-01	UMC	Potassium	1,980.00	UG/L	2,480.00	22.4%
METALS	SW	SW-004-01	UMC	Sodium	1,660.00	UG/L	1,680.00	1.2%
METALS	SW	SW-004-01	UMC	Zinc	19.90 U	UG/L	22.20	NA
METALS	SW	SW-005-01	BKGD	Barium	53.30	UG/L	53.40	0.2%
METALS	SW	SW-005-01	BKGD	Calcium	26,900.00	UG/L	27,000.00	0.4%
METALS	SW	SW-005-01	BKGD	Iron	41.00 U	UG/L	41.90	NA
METALS	SW	SW-005-01	BKGD	Magnesium	14,300.00	UG/L	14,300.00	0.0%
METALS	SW	SW-005-01	BKGD	Manganese	12.60	UG/L	14.60	14.7%
METALS	SW	SW-005-01	BKGD	Sodium	833.00	UG/L	839.00	0.7%
METALS	SW	SW-005-01	BKGD	Zinc	7.60 J	UG/L	11.90 J	44.1%
METALS	SW	SW-008-01	FCAP	Aluminum	7,790.00	UG/L	7,920.00	1.7%
METALS	SW	SW-008-01	FCAP	Arsenic	9.10 J	UG/L	10.00 J	9.4%
METALS	SW	SW-008-01	FCAP	Barium	68.60	UG/L	68.90	0.4%
METALS	SW	SW-008-01	FCAP	Calcium	18,500.00	UG/L	18,500.00	0.0%
METALS	SW	SW-008-01	FCAP	Chromium	8.00 U	UG/L	8.80	NA
METALS	SW	SW-008-01	FCAP	Copper	7.30	UG/L	7.30	0.0%
METALS	SW	SW-008-01	FCAP	Iron	5,970.00	UG/L	6,110.00	2.3%
METALS	SW	SW-008-01	FCAP	Lead	2.80	UG/L	3.50	22.2%
METALS	SW	SW-008-01	FCAP	Magnesium	5,590.00	UG/L	5,590.00	0.0%
METALS	SW	SW-008-01	FCAP	Manganese	1,700.00	UG/L	1,700.00	0.0%
METALS	SW	SW-008-01	FCAP	Potassium	6,540.00	UG/L	6,670.00	2.0%
METALS	SW	SW-008-01	FCAP	Sodium	1,120.00	UG/L	1,190.00	6.1%
METALS	SW	SW-008-01	FCAP	Vanadium	14.50	UG/L	15.60	7.3%
METALS	SW	SW-008-01	FCAP	Zinc	65.10 J	UG/L	106.00 J	47.8%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
METALS	SW	SW-012-02	UMC	Aluminum	51.20	UG/L	54.60	6.4%
METALS	SW	SW-012-02	UMC	Arsenic	4.40 J	UG/L	5.40	20.4%
METALS	SW	SW-012-02	UMC	Barium	77.20	UG/L	79.10	2.4%
METALS	SW	SW-012-02	UMC	Calcium	46,700.00	UG/L	47,000.00	0.6%
METALS	SW	SW-012-02	UMC	Magnesium	15,400.00	UG/L	15,400.00	0.0%
METALS	SW	SW-012-02	UMC	Manganese	75.50	UG/L	78.20	3.5%
METALS	SW	SW-012-02	UMC	Potassium	1,920.00	UG/L	2,560.00	28.6%
METALS	SW	SW-012-02	UMC	Sodium	1,410.00	UG/L	1,440.00	2.1%
METALS	SW	SW-012-02	UMC	Zinc	6.50	UG/L	24.00	114.8%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
SVOA	ASH	AB-002-01	FCAP	bis(2-Ethylhexyl)Phthalate	180.00 J	UG/KG	590.00 R	NA
VOA	ASH	AB-004-01	FCAP	Chloroform	5.00 J	UG/KG	22.00 UJ	NA
SVOA	ASH	AB-009-01	FCAP	2-Methylnaphthalene	59.00 J	UG/KG	580.00 U	NA
SVOA	ASH	SC-002-01	SC	bis(2-Ethylhexyl)Phthalate	420.00 U	UG/KG	70.00 U	NA
SVOA	ASH	SC-002-01	SC	Butylbenzylphthalate	66.00 J	UG/KG	420.00 U	NA
SVOA	GW	GW-513-01	SC	bis(2-Ethylhexyl)Phthalate	2.00 J	UG/L	10.00 U	NA
SVOA	GW	GW-513-01	SC	Di-n-Butylphthalate	1.00 J	UG/L	10.00 U	NA
SVOA	GW	GW-513-01	SC	Phenol	2.00 J	UG/L	2.00 J	0.0%
VOA	GW	GW-513-01	SC	Trichloroethene	2.00 J	UG/L	10.00 U	NA
SVOA	SED	SD-004-01	UMC	2-Methylnaphthalene	730.00 U	UG/KG	110.00 J	NA
SVOA	SED	SD-004-01	UMC	Phenanthrene	70.00 J	UG/KG	730.00 U	NA
SVOA	SOIL	SC-002-02	SC	Butylbenzylphthalate	53.00 J	UG/KG	53.00 J	0.0%
SVOA	SOIL	SO-010-01	BKGD	Butylbenzylphthalate	50.00 J	UG/KG	430.00 U	NA
SVOA	SW	SW-004-01	UMC	bis(2-Ethylhexyl)Phthalate	4.00 J	UG/L	3.00 J	28.6%
SVOA	SW	SW-005-01	BKGD	bis(2-Ethylhexyl)Phthalate	6.00 J	UG/L	10.00 U	NA
SVOA	SW	SW-012-02	UMC	bis(2-Ethylhexyl)Phthalate	48.00	UG/L	10.00 U	NA
SVOA	SW	SW-012-02	UMC	Diethylphthalate	2.00 J	UG/L	10.00 U	NA
SVOA	SW	SW-012-02	UMC	Di-n-Octyl Phthalate	1.00 J	UG/L	10.00 U	NA
PEST/PCB	ASH	AB-004-01	FCAP	4,4'-DDD	7.10 U	UG/KG	0.52 J	NA
PEST/PCB	ASH	AB-004-01	FCAP	alpha-BHC	0.26 JP	UG/KG	0.30 J	14.3%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
RADS	ASH	AB-004-01	FCAP	Th-228	2.70	pCi/g	2.70	0.0%
RADS	ASH	AB-004-01	FCAP	Th-230	5.20	pCi/g	5.80	10.9%
RADS	ASH	AB-004-01	FCAP	Th-232	2.60	pCi/g	2.70	3.8%
RADS	ASH	AB-004-01	FCAP	U-234	4.70	pCi/g	4.70	0.0%
RADS	ASH	AB-004-01	FCAP	U-235	0.14	pCi/g	0.29	69.8%
RADS	ASH	AB-004-01	FCAP	U-238	4.70	pCi/g	4.80	2.1%
RADS	ASH	AB-009-01	FCAP	Th-228	1.40	pCi/g	1.80	25.0%
RADS	ASH	AB-009-01	FCAP	Th-230	2.60	pCi/g	2.90	10.9%
RADS	ASH	AB-009-01	FCAP	Th-232	1.70	pCi/g	1.90	11.1%
RADS	ASH	AB-009-01	FCAP	U-234	2.70	pCi/g	2.80	3.6%
RADS	ASH	AB-009-01	FCAP	U-235	0.07 U	pCi/g	0.15	NA
RADS	ASH	AB-009-01	FCAP	U-238	2.30	pCi/g	2.70	16.0%
RADS	ASH	SC-002-01	SC	Th-228	1.00	pCi/g	1.10	9.5%
RADS	ASH	SC-002-01	SC	Th-230	2.70	pCi/g	2.90	7.1%
RADS	ASH	SC-002-01	SC	Th-232	0.97	pCi/g	1.10	12.6%
RADS	ASH	SC-002-01	SC	U-234	3.40	pCi/g	3.60	5.7%
RADS	ASH	SC-002-01	SC	U-235	0.15	pCi/g	0.16	6.5%
RADS	ASH	SC-002-01	SC	U-238	2.60	pCi/g	3.10	17.5%
RADS	GW	GW-513-01	SC	U-234	0.23	pCi/L	0.30	26.4%
RADS	GW	GW-513-01	SC	U-238	0.08	pCi/L	0.09	10.5%
RADS	SED	SD-001-01	SC	Alpha	11.00 U	pCi/g	12.00 J	NA
RADS	SED	SD-001-01	SC	Beta	14.00 J	pCi/g	16.00 J	13.3%
RADS	SED	SD-001-01	SC	Th-228	0.71	pCi/g	0.73	2.8%
RADS	SED	SD-001-01	SC	Th-230	3.80 U	pCi/g	2.20	NA
RADS	SED	SD-001-01	SC	Th-232	0.63	pCi/g	1.60	87.0%
RADS	SED	SD-001-01	SC	U-234	1.70	pCi/g	2.00	16.2%
RADS	SED	SD-001-01	SC	U-235	0.05 U	pCi/g	0.29	NA
RADS	SED	SD-001-01	SC	U-238	1.60	pCi/g	1.60	0.0%

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

Relative Percent Difference (RPD) for Analytes Detected in Field Duplicates from the Phase 2 RI

Analysis	Media	Sample No.	Site	Analyte	Result / Q	Units	Dup Result / Q	RPD*
RADS	SED	SD-004-01	UMC	Alpha	18.00 J	pCi/g	19.00 J	5.4%
RADS	SED	SD-004-01	UMC	Beta	16.00 J	pCi/g	19.00 J	17.1%
RADS	SED	SD-004-01	UMC	Th-228	0.93	pCi/g	1.00	7.3%
RADS	SED	SD-004-01	UMC	Th-230	1.50 U	pCi/g	2.70	NA
RADS	SED	SD-004-01	UMC	Th-232	1.10	pCi/g	1.20	8.7%
RADS	SED	SD-004-01	UMC	U-234	0.93	pCi/g	2.20	81.2%
RADS	SED	SD-004-01	UMC	U-235	0.06 U	pCi/g	0.21	NA
RADS	SED	SD-004-01	UMC	U-238	1.20	pCi/g	2.20	58.8%
RADS	SOIL	SC-002-02	SC	Th-228	0.77	pCi/g	0.84	8.7%
RADS	SOIL	SC-002-02	SC	Th-232	0.86	pCi/g	0.92	6.7%
RADS	SOIL	SC-002-02	SC	U-234	1.00	pCi/g	1.20	18.2%
RADS	SOIL	SC-002-02	SC	U-235	0.04 U	pCi/g	0.09	NA
RADS	SOIL	SC-002-02	SC	U-238	0.92	pCi/g	1.20	26.4%
RADS	SOIL	SO-001-01	FCAP	Th-228	2.00	pCi/g	2.40	18.2%
RADS	SOIL	SO-001-01	FCAP	Th-230	4.20	pCi/g	4.50	6.9%
RADS	SOIL	SO-001-01	FCAP	Th-232	1.90	pCi/g	2.30	19.0%
RADS	SOIL	SO-001-01	FCAP	U-234	4.70	pCi/g	4.80	2.1%
RADS	SOIL	SO-001-01	FCAP	U-235	0.25	pCi/g	0.34	30.5%
RADS	SOIL	SO-001-01	FCAP	U-238	4.50	pCi/g	5.10	12.5%
RADS	SOIL	SO-010-01	BKGD	Th-228	0.50	pCi/g	0.51	NA
RADS	SOIL	SO-010-01	BKGD	Th-230	0.60 U	pCi/g	8.60	NA
RADS	SOIL	SO-010-01	BKGD	Th-232	0.19	pCi/g	0.47	84.8%
RADS	SOIL	SO-010-01	BKGD	U-234	2.60	pCi/g	3.50	29.5%
RADS	SOIL	SO-010-01	BKGD	U-235	0.06	pCi/g	0.14	75.9%
RADS	SOIL	SO-010-01	BKGD	U-238	1.50	pCi/g	1.60	6.5%
RADS	SW	SW-004-01	UMC	Th-230	0.02 UJ	pCi/L	0.50 J	NA
RADS	SW	SW-004-01	UMC	U-234	0.25	pCi/L	0.34	30.5%
RADS	SW	SW-004-01	UMC	U-238	0.20 J	pCi/L	0.22 J	9.5%
RADS	SW	SW-005-01	BKGD	U-234	0.10	pCi/L	0.21	71.0%
RADS	SW	SW-008-01	FCAP	Th-228	0.19	pCi/L	0.22	14.6%
RADS	SW	SW-008-01	FCAP	U-234	0.15	pCi/L	0.33	75.0%
RADS	SW	SW-008-01	FCAP	U-238	0.10 J	pCi/L	0.11 J	10.5%
RADS	SW	SW-012-02	UMC	U-234	0.19	pCi/L	0.50	89.9%
RADS	SW	SW-012-02	UMC	U-238	0.07 U	pCi/L	0.28	NA

* NA = The regular or duplicate sample result was flagged U, UJ, or R.

APPENDIX D

UPPER McCOY BRANCH PHASE 1 CROSS SECTIONS

Source: Martin Marietta Energy Systems, Inc. 1991. Remedial Investigation Report for Chestnut Ridge OU 2 (Filled Coal Ash Pond/McCoy Branch) at the Oak Ridge Y-12 Plant, Oak Ridge, Tennessee (Appendix D). ES/ER-23&D1 (Y/ER/Sub-90/97777/2), Oak Ridge Y-12 Plant, Oak Ridge, Tennessee.

SEC# 1 STA - 3+00.00

SEC# 2 STA - 4+00.00

SEC# 3 STA - 5+00.00

Scale in Feet

LEGEND

- 14 - GROUND ELEVATION SURVEY LOCATION
- E-20 ASH THICKNESS MEASUREMENT LOCATION

ORC30490.RR

SEC# 4 STA - 6+00.00

SEC# 5 STA - 7+00.00

SEC# 6 STA - 8+00.00

Scale in Feet

LEGEND

- 14 - GROUND ELEVATION SURVEY LOCATION
- E-20 ASH THICKNESS MEASUREMENT LOCATION

HO30490.RR

LEGEND

- 14 - GROUND ELEVATION SURVEY LOCATION
- E-20 - ASH THICKNESS MEASUREMENT LOCATION

SEC# 18 STA - 20+00.00

SEC# 19 STA - 21+00.00

SEC# 20 STA - 22+00.00

LEGEND

14 - GROUND ELEVATION SURVEY LOCATION

E-20 ASH THICKNESS MEASUREMENT LOCATION

URC030490.RR

SEC# 13 STA - 15+00.00

SEC# 14 STA - 16+00.00

SEC# 15 STA - 17+00.00

SEC# 16 STA - 18+00.00

SEC# 17 STA - 19+00.00

Scale in Feet

LEGEND

14 - GROUND ELEVATION SURVEY LOCATION

E-20 ASH THICKNESS MEASUREMENT LOCATION

©

CH2M HILL

SEC# 10 STA - 12+00.00

SEC# 11 STA - 13+00.00

SEC# 12 STA - 14+00.00

Scale in Feet

LEGEND

14 - GROUND ELEVATION SURVEY LOCATION

E-20 ASH THICKNESS MEASUREMENT LOCATION

APPENDIX E

SLUICE CHANNEL AREA PHASE 2 CROSS SECTIONS

SLUICE CHANNEL AREA TRANSECT LINES

CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

CHESTNUT RIDGE OU2
OAK RIDGE, TENNESSEE

FIGURE No. E.1

A1034/18JAN94/200

STA 1+00

STA 2+00

SCALE
 1"=4000' H
 1"=1000' V

SLUICE CHANNEL AREA
 COAL ASH DEPTH CROSS SECTION

CHESTNUT RIDGE OU2
 OAK RIDGE, TN.

CDM FEDERAL PROGRAMS CORPORATION
 a subsidiary of Camp Dresser & McKee Inc.

FIGURE No. E.2

AB046/06AP94/0050

SCALE
 1" = 6000' H
 1" = 1500' V

SLUICE CHANNEL AREA COAL ASH DEPTH CROSS SECTIONS

CHESTNUT RIDGE OU2
 OAK RIDGE, TN.

CDM FEDERAL PROGRAMS CORPORATION
 a subsidiary of Camp Dresser & McKee Inc.

FIGURE No. E.3

AB047/06APR94/0100

SCALE
1" = 7000' H
1" = 1750' V

SLUICE CHANNEL AREA COAL ASH DEPTH CROSS SECTIONS

CHESTNUT RIDGE OU2
OAK RIDGE, TN.

CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

FIGURE No. E.4

AB048/06AR94/0175

APPENDIX F

WELL AND PIEZOMETER LOGS

Preexisting Wells
Well Installation Diagrams

Project: Argonne National Lab Water Quality Study

JOE ENVIRONMENTAL SURVEY

WELL COMPLETION RECORD

JOE SITE NAME: Y-12WELL ID NUMBER: 6W-321

WELL COORDINATES or WELL LOCATION:

29 ft west of well 5B at ash pond damDRILLING COMPANY: Geotek EngineeringTYPE OF RIG: T4

DATE INSTALLATION COMPLETED (dd/mm/yy):

09/SEP/87 except for concrete pad and protective casing.TOTAL DEPTH: 98.6 ft.

DEVELOPMENT

METHOD: Submersible PumpSTART DATE: / /
TIME: : : END DATE: / /
TIME: : : TOTAL WATER REMOVED
DURING DEVELOPMENT: gal.DESCRIPTION OF TURBIDITY AT END OF
DEVELOPMENT:☐ Clear ☐ Slightly cloudy
☐ Mod. turbid ☐ Very cloudyADDITIONAL COMMENTS: Well will be
developed again in mid October prior
to water sampling.

WELL CONSTRUCTION SUMMARY

WELL CAP ELEVATION: ft. +GROUND SURFACE
ELEVATION: ft. +

will be determined by surveying crew in October.

CONDUCTOR HOLE DIA.: 12 in.
0.0 to 22.3 ft.SURFACE CONDUCTOR
TYPE: Carbon steel
ID: 10 3/4 in. OD: 10 3/4 in.
0.0 to 22.0 ft.
with 6' stick upBOREHOLE DIA.: 8 in.
22.3 to 98.6 ft.FILLER
TYPE: Cement grout
0.0 to 80 ft.CASING (with screen)
TYPE: Schwen 304 Stainless steel
ID: 4 in. OD: 4 3/8 in.
0.0 to 98.0 ft.
with 3' stick upSEAL
TYPE: Bentonite
80 to 84.0 ft.SCREEN
TYPE: Schwen 304 Stainless Steel
ID: 4 in. OD: 4 3/8 in.
87.3 to 94.0 ft.
98.0 JM09 Sep 87PACK
TYPE: Coarse Sand
84.0 to 98.6 ft.

RECORDED BY:

Joseph M. Mott

(Signature)

ON CHECK BY:

Ronald F. R.

(Signature)

EDGE

Engineering, Design & Geosciences Group, Inc.

725 Pellissippi Parkway

P.O. Box 23010 Knoxville, Tn 37933-1010 (615)966-9788

WELL No. 512WELL INSTALLATION DIAGRAM

DRILLING DATES:

STARTED: 2/21/99FINISHED: 4/1/99Y-12 WELL INSTALLATION PROGRAM

LOGGED

BY: Charles W. StanleyDRILLING COMPANY: Highland DrillingDRILLER: Randy Phillips HELPER: Mark Baker

EDGE**Engineering, Design & Geosciences Group, Inc.**

725 Pellissippi Parkway

P.O. Box 23010 Knoxville, Tn 37933-1010

(615)966-9788

WELL No. 512WELL INSTALLATION DIAGRAMY-12 WELL INSTALLATION PROGRAM

LOGGED

BY: Charles W. StanleyDRILLING COMPANY: Highland DrillingDRILLER: Randy Phillips HELPER: Mark Baker

DRILLING DATES:

STARTED: 3/25/88FINISHED: 3/30/88

NOTE:
ALL DEPTHS ARE MEASURED
FROM GROUND SURFACE
UNLESS OTHERWISE NOTED:

ED|Ge Engineering, Design & Geosciences Group, Inc.725 Pellissippi Parkway
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WELL No. 514

WELL INSTALLATION DIAGRAMY-12 WELL INSTALLATION PROGRAMDRILLING DATES:STARTED: 3/18/88FINISHED: 3/24/88LOGGEDBY: Charles W. StanleyDRILLING COMPANY: Highland DrillingDRILLER: Randy Phillips HELPER: Mark Baker

NOTE:
ALL DEPTHS ARE MEASURED
FROM GROUND SURFACE
UNLESS OTHERWISE NOTED:

Phase I Soil Boring Logs

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-672 Sheet 1 of 3

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-672

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

6-1/4" CME Model 75 Hollow Stem Auger

WATER LEVELS ~23' Below Grade

START 9-4-90

FINISH 9-5-90

LOGGER R. Cipolletti/BOS

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
-- 1 -- -- 2 -- -- 3 -- -- 4 -- -- 5 --	5.0				<u>FILL</u> 0'-5' return, <u>SILT WITH SAND</u> (ML), moderate reddish orange (10 R 6/6), moist, trace m-c gravel, quartz	Standard 2.0" split spoon with 140 lb. hammer -- 5' sampling *Level C protection used during drilling
-- 6 -- -- 7 -- -- 8 -- -- 9 -- -- 10 -- -- 11 -- -- 12 -- -- 13 --	6.5	5-1	12"	4-6-11 (17)	<u>SILT WITH GRAVEL</u> , (m-c) (ML) moderate reddish orange (10 R 6/6), moist, very stiff, gravel is quartz	Sample at 11:46
	11.5	5-2	< 6"	5-3-3 (6)	Very coarse gravel, quartz 1"-2" diameter--lodged in shoe	Sample at 16:27; no recovery

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-672	Sheet 2 of 3
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-672
ELEVATION	DRILLING CONTRACTOR		
		Brotcke	
DRILLING METHOD AND EQUIPMENT		6-1/4" CME Model 75 Hollow Stem Auger	
WATER LEVELS	~23' Below Grade	START	9-4-90
		FINISH	9-5-90
		LOGGER	R. Cipolletti/BOS

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
14 -- -- 15 -- -- 16 -- --	16.5	5-3	12"	4-5-5 (10)	<u>GRAVELLY SILT WITH SAND</u> , (ML), moderate reddish orange (10 R 4/6), wet, loose, quartz	Sample at 16:35; moderately difficult drilling auger shatter; water between 11.5'-15'
17 -- -- 18 -- -- 19 -- -- 20 -- -- 21 -- --	21.5	5-4	12"	2-5-10 (15)	<u>GRAVELLY SILT</u> , (ML) moderate reddish brown (10 R 4/6), moist, stiff, chert	Sample at 16:57
22 -- -- 23 -- -- 24 -- -- 25 -- -- 26 -- --	26.5	5-5	16"	2-3-2 (5)	<u>GRAVELLY SILT</u> , (ML) moderate reddish brown (10 R 4/6), wet, firm, chert @ ~26'3"	At 23'--water table after 24 hours; sample at 17:20; possible contact between fill and native material

PROJECT NUMBER
ORO30490.SC

BORING NUMBER
GW-673 Sheet 1 of 10

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-673

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

Schramm Air Rotary 4" Bit

WATER LEVELS

START 8-17-90

FINISH 10-1-90

LOGGER P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
-- 12 -- -- 13 -- -- 14 -- -- 15 -- -- 16 -- -- 17 --	17.0				<u>FAT CLAY WITH GRAVEL</u> , (CH), moderate reddish brown (10 R 4/6), moist, firm, chert fragments throughout	Drilling with water; top of bedrock at 17.0'
-- 18 -- -- 19 -- -- 20 -- -- 21 -- -- 22 -- -- 23 -- -- 24.0	24.0				Dolomite, very light gray (N8) to light gray (N7), ~ 5% chert Grading of grayish pink (5 R 8/2) with pale red (4 R 6/2) streaks Trace calcite filled veins	Drilling rate ~3' per minute 4" hole to 17' using 9-7/8" bit Set 8" casing to 24'

PROJECT NUMBER ORO30490.SC	BORING NUMBER GW-673	Sheet 2 of 10
SOIL BORING LOG		

PROJECT Filled Coal Ash Pond, Y-12 LOCATION GW-673

ELEVATION DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT Schramm Air Rotary 4" Bit

WATER LEVELS START 9-17-90 FINISH 10-1-90 LOGGER P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
25 --	28.0				Mainly dust, no recovery of cuttings	Sample at 8:00; not adding water
26 --					Dolomite, very light gray (N8-N7), massive	Very slow drilling
27 --					No chert visible in cuttings	Very little chatter
28 --					Moderate fizz	Drilling rate ~ 1 1/6 min. (2"/min.)
29 --	32.0				Red/brown mud/clay	Sample at 8:06
30 --					Gray shale (N8), some is dusky red (5 R 3/4) layers, some brownish block (5 YR 2/1) staining, very soft, fissile ~ 50%	Fast drilling for ~ 3' in solution feature, ~ 1'/min
31 --					Chert, mainly red (5 R 4/5), some pinkish to light red (5 R 6/6)-- ~ 5%	Vug filled with mud
32 --						
33 --	36.0				Sandstone, white (N9) to very light gray (N8), coarse surfaces, no fizz ~ 20%	Sample at 8:23; hole cleaning up, producing less mud; slow drilling
34 --					Trace grayish purple shale (5 P 4/2), some layers also show this coloring	Sample at 8:56 at ~ 35'
35 --					Trace, light gray dolomite (N7), moderate fizz < 5%	Still in dissolution feature, typical of this interval in this area
36 --					Trace, light gray limestone (N7), strong fizz < 5%	Hole did not fill with water when stem raised
36 --	36.0				Trace white (N9) to pinkish gray (5 YR 8/1) siltstone, soft, no fizz < 5%	Sample at 9:25 at 36'; hole making very little water--adding a little to clean it out
36 --						

PROJECT NUMBER ORO30490.SC	BORING NUMBER GW-673	Sheet 3 of 10
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-673
ELEVATION		DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT	Schramm Air Rotary 4" Bit		
WATER LEVELS	START	9-17-90	FINISH 10-1-90
		LOGGER	P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
37 --	37.0					
38 --					<ul style="list-style-type: none"> Same as above, but chert content increasing to ~ 20-25%, moderate red (5 R 4/6) ~ 15%, light gray (N7) ~ 5%, white (N9) ~ 5%, trace (10 R 4/6) Shale, light greenish gray (5 GY 8/1) ~ 20%, dusky red (5 R 3/4) = 5% intermixed in layers, staining is evident on shale, block (N1) Dolomite, pinkish gray (5 YR 8/1) to very light gray (N8) 10-15%, moderate fizz Sandstone, light brown (5 YR 5/6) to white (N9), fine to medium grained, slightly friable, coarser grained is more well lithified, harder ~ 10%, sandstone increases slightly with depth to ~ 20% at 39.5' Siltstone, pinkish gray (5 YR 8/1), soft ~ 5% to trace, some fizz-- may be a limy mudstone Limestone--trace, high fizz A lot of mud in this interval, dominate in drilling spoils > 60% 	9:42; add 20' of pipe; not adding water; formation making ~ 4 gpm 10:28; adding a little water to clean hole 10:40; formation making ~ 5-6 gpm; may have to sample soon so we can dispose of water
41 --	41.0					
42 --					<ul style="list-style-type: none"> Dolomite, light gray (N7) color consistent throughout interval ~ 75% Chert moderate red (5 R 4/6) to white (N9) with quartz veins visible ~ 10% Sandstone, white (N9) to light brown (5 YR 5/6), fine to medium grained ~ 5% Shale, light greenish gray (5 GY 8/1) ~ 5% Same dolomite, but shale content decreasing with depth 	10:50; drilling rate ~ 3' per hour 11:18; formation making ~ 3 gpm 11:22; occasional chatter
44 --	45.0					

PROJECT NUMBER ORO30490.SC	BORING NUMBER GW-673	Sheet 4 of 10
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-673
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ELEVATION	DRILLING CONTRACTOR	Brotcke
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DRILLING METHOD AND EQUIPMENT	Schramm Air Rotary 4" Bit
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WATER LEVELS	START	9-17-90	FINISH	10-1-90	LOGGER	P. Van Noort
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DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
46 --						
47 --					Increase in pale red dolomite (5 R 6/2), most noticeable on wet surface	11:38
48 --					Chert moderate red (5 R 4/6) ~ 15-20% occasional, < 5% white (N9)	
49 --					Shale decreasing ~ 5%	12:10; at 49.0'
50 --					Sandstone, grayish pink (5 R 8/2), very fine grained, trace only, slight fizz	
51 --					Chert content decreasing	
52 --	52.0					
53 --					Change in color of dolomite from pale red to very light gray (N8) becoming dominant	12:57; drilling rate ~ 3' per hour
54 --					Occasional light brown chert (5 YR 5/6)	Formation yielding ~ 3-3.5 gpm
55 --					Sandstone 0% - trace	
56 --					Change in dolomite to light gray (N7) to moderate light gray (N6)	13:44; add 20' of pipe
57 --					Dolomite back to very light gray (N8) dominantly	13:50; seal around surface casing appears to be leaking
					Same dolomite; color has remained fairly consistent	14:20; can see bubbles in spoils pit, lost circulation, passing through formation

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BORING NUMBER
GW-673 Sheet 5 of 10

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-673

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

Schramm Air Rotary 4" Bit

WATER LEVELS

START 9-17-90

FINISH 10-1-90

LOGGER P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
59 --	60.0				Trace oolitic limestone, small sphericals can be seen in it, very light gray (N8), only moderate fizz in diluted acid	10:50; start drilling again with 4" bit; having to drill through 40-60' interval we drilled yesterday
60 --					See previous log (5)	
61 --	66.0				Dolomite, very light (N8) to light gray (N7) massive, very little color change in 60-66' interval, trace amount < 3% rounded "oolitic" structures, at 60-62' these were most noticeable but appear throughout interval	15:00; drilling rate ~ 15 minutes per foot; slow, very little chatter
62 --					Chert, moderate red ~ 10% (5 R 4/6) most common, minor moderate reddish orange (10 R 6/6) and white (N9), rare black (N1)	
63 --					Shale, pale yellowish green (10 GY 7/2) with staining--trace	
64 --					Sandstone, grayish orange pink (5 YR 7/2) very fine grained-- trace, minor fizz	
65 --					Same as above, but light brown chert layer (5 YR 5/6) ~ 15-20% absent below 66', except in trace amount	
66 --						
67 --	70.0				Dolomite color changing to pale red (10 R 6/2) to moderate red (5 R 5/4), mottled with light gray (N7) -- streaky	16:55; at ~ 66', drilling with a 4" rock bit, slightly faster drilling, larger cuttings 7:15; formation making ~ 6-7 gpm at 7:40
68 --					Slight increase in light greenish gray (5 GY 8/1), siltstone < 10%	
69 --					Trace light gray (N7), limy (fizz) mudstone	
					Chert ~ 10% (5 R 4/6)	Drilling rate ~ 5' per hour

PROJECT NUMBER
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BORING NUMBER
GW-673 Sheet 6 of 10

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-673

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

Schramm Air Rotary 4" Bit

WATER LEVELS

START 9-17-90

FINISH 10-1-90

LOGGER P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
71 --	74.0				Dolomite back to very light gray (N8) dominately	8:15
72 --					Chert ~ 10% mainly (5 R 4/6), minor white (N9) to moderate orange pink (5 YR 8/4)	
73 --					Shale (5 GY 8/1) < 5% to trace	
74 --					Minor (< 1%) calcite vein material, crystalline, strong fizz	
75 --	80.0			Crystalline Dolomite Decreasing	Dolomite, dusky red (5 R 3/4) mottled with light greenish gray (5 G 8/1)--minor, the dolomite is medium to coarsely crystalline, less (5 G 8/1), ~ 30%, very fine grained dolomite similar to that above this interval	9:00
76 --					No sandstone	9:34; adding 20' of pipe (total 100')
77 --					Shale trace (5 GY 8/1)	
78 --					Chert < 5% (5 R 4/6), some veining can be seen in larger cuttings of white (N9)	11:30; formation making ~ 3 gpm
79 --					Trace banded limy mudstone, moderate fizz, and very light gray (N8) mudstone	
80 --					Same as above only minor crystalline dolomite	
81 --					80-85' is same as described above but only a trace of the mottled, crystalline dolomite; dolomite in this interval is grayish pink (5 R 8/2) ~ 75% to dusky red (5 R 3/4) ~ 20%, ~ 5% mottled	13:20; formation making ~ 4-5 gpm
82 --						

PROJECT NUMBER ORO30490.SC	BORING NUMBER GW-673	Sheet 8 of 10
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-673
ELEVATION		DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT	Schramm Air Rotary 4" Bit		
WATER LEVELS	START 9-17-90	FINISH 10-1-90	LOGGER P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
--	95.0				Sandstone, trace, coarse grained	
95 --						
--						
96 --						
--						
97 --						
--						
98 --						
--						
99 --					Dolomite, light brownish gray (5 YR 6/1), very massive, only a trace of chert and shale and mudstone, color in dolomite grades to pale red (10 R 6/2) with minor mottling at ~ 100' to 105'	From 95' - 133' the dolomite has been massive with only color changes noticeable, very little of anything else
--						
100 --						
--						
101 --						
--						
102 --						
--						
103 --						
--						
104 --						
--	105.0					

PROJECT NUMBER
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BORING NUMBER
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SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-673

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

Schramm Air Rotary 4" Bit

WATER LEVELS

START 9-17-90

FINISH 10-1-90

LOGGER

P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
106 --					Dolomite, color grades to grayish red (5 R 4/2), very massive, ~ 99% dolomite From 108'-112' color is a darker grayish red, trace chert but ~ 98% dolomite, trace shale	
107 --						
108 --						
109 --						
110 --						
111 --						
112 --	112.0					
113 --					Dolomite, grayish red (5 R 4/2) and light gray (N7) ~ 50-50, trace shale, calcite fracture, fill and chert	Some mottling
114 --						
115 --						
	116.0					

PROJECT NUMBER ORO30490.SC	BORING NUMBER GW-673	Sheet 10 of 10
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-673
ELEVATION	DRILLING CONTRACTOR Brotcke		
DRILLING METHOD AND EQUIPMENT		Schramm Air Rotary 4" Bit	
WATER LEVELS	START 9-17-90	FINISH 10-1-90	LOGGER P. Van Noort

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
117 -- 118 -- 119 -- 120 --	120.0				Dolomite light gray (N7) to very light gray (N8), ~ 50-50, massive, only a trace of chert	
121 -- 122 -- 123 -- 124 -- 125 -- 126 -- 127 -- 128 -- 129 -- 130 -- 131 -- 132 -- 133 --	133.0				Dolomite, light brownish gray (5 YR 6/1) dominately, with faint mottling and streaks of moderate red (5 R 4/6) Chert ~ 5%, light brown (5 YR 5/6), moderate red (5 R 5/4) and lesser white (N9) Trace shale, calcite, fracture fill	At ~ 120', bit dropped ~ 1' At 123', water increased to ~ 12 gpm -- fracture zone, so drill 10' past to 133' and stop
					TD 133'	

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-674	Sheet 1 of 1
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-674
ELEVATION	DRILLING CONTRACTOR Brotcke		
DRILLING METHOD AND EQUIPMENT	6-1/4" CME Model 75 Hollow Stem Auger		
WATER LEVELS	START 9-2-80	FINISH 9-3-90	LOGGER R. Cipolletti/BOS

DEPTH BELOW SURFACE (FT)	SAMPLE		STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
	INTERVAL	NUMBER AND TYPE			
1 --	6.5	5-1	18"	~ 2' of road gravel <u>FAT CLAY WITH GRAVEL</u> , (CH) olive black (5 Y 2/1), wet, some organics 5'-5.5' sandy organic soil with gravel (OL), black (N1), wet At 5.5' -- <u>GRAVELLY SILT</u> , (ML) dark yellowish brown (10 YR 4/2), moist, very stiff,	Standard 2" split spoon with 140 lb. hammer Contact between sediments gradational; sample at 16:23 Water table at ~ 5'-5.5' in borehole
2 --					
3 --					
4 --					
5 --					
6 --					
7 --	10.0	5-2	6"	<u>GRAVELLY SILT</u> , (ML) moderate, yellowish brown (10 YR 5/4), wet, very stiff, fine to coarse gravel, "oolitic" chert	Auger chatter becoming refusal @ 8.5'; snap off head of auger, move borehole; new borehole hit chatter at ~ 8.5'-9', able to instal' at 10' (9-3-90)
8 --					
9 --					
10 --					
11 --	11.5	5-3	< 6"	Weight of Hammer	5-3, @ 7:55 -- likely void space from gravel, augered through
12 --	16.5			<u>VERY FINE SAND</u> (SP) to <u>COARSE SILT</u> (ML) grayish pink (5 R 8/2), moist, medium -- becomes graded fine gravel (GP) in last 2" of spoon	
13 --					
14 --					
15 --					
16 --					
17 --					
18 --					
19 --					
20 --					
21 --					
22 --					
23 --					
24 --					
25 --					
				T.D. 25'	

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-676 Sheet 1 of 2

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-676

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

6-1/4" CME Model 75 Hollow Stem Auger

WATER LEVELS

7' Below Grade

START 9-2-90

FINISH 9-2-90

LOGGER R. Cipolletti/BOS

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
1--						
2--					At 2'-3', <u>SILT WITH SAND</u> , (ML) moderate yellowish brown (5 YR 4/4), wet	Standard 2" split spoon driver with 140 lb. hammer, 5 foot sample interval
3--						
4--						
5--	5.0					
6--	6.5	5-1	12"	4-4-3 (7)	<u>FAT CLAY</u> , (CH) moderate brown (5 YR 4/4), wet, firm, ~ 5% firm sand, rolls well	Sample at 8:37; auger return to 10 feet is similar to 5-1 sample
7--						
8--						Water level measured in auger at 7'
9--						
10--	10.0				Top of weathered rock	
11--	11.5	5-2	6"	6-10-14 (24)	<u>GRAVELLY SILT</u> , (ML) dark reddish brown (10 R 3/4), wet, stiff, relict bedding, weathered rock, meta shale, parts and block limestone, chert, dolomite	Sample at 9:05; hit auger refusal @ 12'. spoon refusal as well 50/4"; try to confirm if rock or not
12--						

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-676	Sheet 2 of 2
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-676
ELEVATION		DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT	6-1/4" CME Model 75 Hollow Stem Auger		
WATER LEVELS	7' Below Grade	START	9-2-90
		FINISH	9-2-90
		LOGGER	R. Cipolletti/BOS

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
13 -- -- 14 -- -- 15 -- -- 16 -- --	13.5	5-3	< 6"	50/4"	Limestone/dolomite in shoe	Difficult drilling, auger chatter but can penetrate 1"-3" diameter pieces of limestone and chert in return, also pieces (small) of shale
15 -- -- 16 -- -- 17 -- -- 18 -- -- 19 -- -- 20 -- -- 21 -- -- 22 -- -- 23 -- -- 24 -- --	16.5	5-4	12"	8-24-36 (70)	GRAVELLY SILT, (ML) dark, reddish brown (10 R 3/4), wet, very stiff, platy meta shale, small pieces of blocky limestone	Sample at 9:35
					T.D. 16.5'	
					At 9:45, auger refusal at 17', confirm refusal with split spoon 50/3"	
					*NOTE -- Material referred to as shale examined more carefully-- actually limestone with well developed "cleavage," or "parting." Based on washed specimens, compared to similar material observed in outcrop, much of the limestone appears to be "silicified." Partings along bedding planes.	

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-677 Sheet 1 of 6

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-677

ELEVATION ~ 1045

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT 4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS START 9-27-90 FINISH 10-24-90 LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-6"-6" (N)	Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
4--	4.5					
5--		1-S	1.5'	8-16-18 (34)	<u>FAT CLAY</u> , (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, moist, dense, hard, very little gravel, clasts are gray/white chert	14:25; start drilling
6--	6.0					
7--						
8--						Samples show no activity/OVA above background
9--	9.5					
10--		2-S	1.5'	7-8-11 (18)	<u>FAT CLAY</u> , (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) and white (N9) mottled, moist, medium, very stiff, very mottled, minor black organic matter, minor chert horizon at 9'10" to 10'	
11--	11.0					
12--						
13--	13.5					

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-677	Sheet 2 of 6
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-677
ELEVATION	~ 1045	DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT	4" I.D. HSA, CME Model 75 Rotary Drill Rig		
WATER LEVELS	START 9-27-90	FINISH 10-24-90	LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
14 --	14.5					Samples show no activity/OVA above background
15 --	16.0	3-S	1.5'	6-9-12 (21)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled with abundant black organic matter throughout, moist, medium, very stiff	Clay getting moister with depth
16 --	19.5					
17 --						
18 --						
19 --						
20 --	21.0	4-S	1.5'	4-5-6 (11)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled, minor white (N9), black organic matter at 19'8", 20'- 20'2", and minor at ~ 21', moist, medium, stiff	Sampled at 14:58; very little chert in 0'-21' interval
21 --						
22 --						
23 --						
24 --	24.5					

PROJECT NUMBER
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BORING NUMBER
GW-677 Sheet 3 of 6

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-677

ELEVATION ~ 1045

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-27-80

FINISH 10-24-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
25 -- -- 26 --	26.0	5-S	1'10"	3-5-6 (11)	FAT CLAY, (CH) moderate red (5 R 4/6) with black (N1) to black/gray (N2) mottling, moist, medium, stiff, black organic material mottled throughout	Sampled at 14:10
27 -- 28 -- 29 --	29.5					Samples show no activity/OVA above background
30 -- -- 31 --	31.0	6-S	2'	9-4-5 (9)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, minor black (N1) mottling moist, loose, stiff to firm, from 30'-30'8" a tan, wet silty layer with clay and organic matter, what appears to be relic bedding can be seen, ~ 35° dip, minor black organic matter throughout interval	
32 -- 33 --	33.5				White chert layer	Auger refusal, so drive a spoon
34 -- -- 35 --	35.0	7-S	1.5'	8-9-11 (20)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, moist, medium, very stiff, tan, silt layer at 34' to 34'6" with red clay, very moist, minor organic matter in interval	
	36.0					

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-677	Sheet 4 of 6
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-677
ELEVATION	~ 1045	DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT		4" I.D. HSA, CME Model 75 Rotary Drill Rig	
WATER LEVELS		START	9-27-90
		FINISH	10-24-90
		LOGGER	M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
37 --						
38 --						
39 --						
	39.5					
40 --		8-S	2'	4-5-6 (11)	<u>FAT CLAY</u> , (CH) moderate red (5 R 4/6) with dispersed gray mottling (N8), moist, medium, stiff, minor gray shale dispersed throughout, minor black organic matter	Very little chert in 24.5' to 41' interval
	41.0					
41 --						
42 --						
43 --						
44 --						
	44.5					
45 --		9-S	1.5'	5-8-10 (18)	<u>FAT CLAY WITH GRAVEL</u> , (CH) moderate red (5 R 4/6) with minor light brown (5 YR 6/4) and black (N1), mottled, wet, medium, very stiff, chert horizon from 45' to 45'6" that is saturated	Spoon came up wet
	46.0					
46 --						
47 --						
48 --						
49 --						
	49.5					

PROJECT NUMBER
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BORING NUMBER

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Sheet 5 of 6

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-677

ELEVATION ~ 1045

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

Air Rotary, 7-7/8" Bt, Schramm Rig

WATER LEVELS

START 9-27-90

FINISH 10-24-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
50 -- -- -- -- 51 --	51.0	10-S	1'5"	5-11-10 (21)	FAT CLAY WITH GRAVEL, (CH) light brown (5 YR 6/4) mottled; from 49'6" to 50', moderate red (5 R 4/6) and white (N9) mottling; from 50' to 50'7", light brown (5 YR 6/4), minor black mottling; from 50'8" to 51', wet, medium, very stiff, beginning of interval is very mottled, chert horizon at 50', very thin ~ 3cm, above this a silty, clayey interval with chert grading into a red clay and a silt interval the last 4" with minor organic material	
52 -- 53 -- 54 --	54.5					
-- -- -- -- 84 --	84.0			50/3	Residual soils, clays and some silt Weathered dolomite, with mud filled vugs, chert, minor sandstone	Refusal top of bedrock Top of rock; fast drilling
85 -- 86 -- 87 -- 88 -- 89 --	90.0				Dolomite, pinkish gray (5 YR 8/1), massive, finely crystalline, minor moderately crystalline, trace calcite fracture fill	Surface casing set to ~ 84'. 10/17/90 took ~ 40 bags cement; 10/23/90 start drilling at 13:00 at 84'

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BORING NUMBER
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SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-677

ELEVATION ~ 1045

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT Air Rotary, 7-7/8" Bit, Schramm Rig

WATER LEVELS START 8-27-90 FINISH 10-24-90 LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
91 -- 92 -- 93 -- 94 -- 95 --	95.0				Dolomite, light gray (N7), moderately crystalline, massive, moderate fizz	
96 -- 97 -- 98 -- 99 -- 100 --	100.0				Dolomite, light gray (N7), finely crystalline, massive, grading to moderately crystalline, trace oolitic chert and white (N9) chert	Good rock Drilling rate ~ 8 min./ft.
105 -- 110 -- 115 -- 120 -- 125 -- 130 -- 135 --	135.0				Dolomite, dominantly light gray (N7) finely crystalline, minor (~10-15%) coarsely crystalline very light gray (N8) decreasing with depth, absent below 110'. good massive dolomite as above to ~ 135'	At 15:05, at ~ 110' At 16:50 add another 25' pipe-- no water
140 -- 145 --	145.0				Dolomite, pinkish gray (5 YR 8/1), massive, finely crystalline to very finely crystalline	
150 -- 155 --	155.0				Dolomite, medium light gray (N6), very finely crystalline, massive, trace calcite fracture fill	At 18:30; minor water at ~ 152', dust turns moist
160 -- 165 --	165.0				Dolomite, pinkish gray (5 YR 8/1), coarsely crystalline, massive	
					T.D. 165'	Hole set overnight and had ~ 50' water in a.m., so set well

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BORING NUMBER
GW-678

Sheet 1 of 4

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-678

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

4" LD. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 8-29-90

FINISH 10-25-90

LOGGER

M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
1--						
2--						
3--						
4--	4.5					
5--		1-S	1'5"	10-18-16 (34)	FAT CLAY WITH GRAVEL, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, damp, dense, hard, chert gravel throughout	Sampled at 14:10
6--	6.0					
7--						
8--						
9--	9.5					
10--		2-S	1'6"	6-10-14 (24)	FAT CLAY WITH GRAVEL, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, moist, medium, very stiff, chert gravel throughout	Samples show no activity above background
11--	11.0					
12--						
13--						
14--	14.5					
15--		3-S	1'6"	5-10-12 (22)	FAT CLAY WITH GRAVEL, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, moist, medium, very stiff, chert gravel throughout, minor black organic matter	Sampled at 14:32
16--	16.0					
17--						
18--						
19--	19.5					

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BORING NUMBER
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Sheet 2 of 4

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-678

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-29-90

FINISH 10-25-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
20 -- -- 21 --	21.0	4-S	1'4"	5-10-12 (22)	GRAVELLY FAT CLAY, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, moist, medium, very stiff, abundant chert gravel throughout	
22 -- 23 -- 24 --	24.5					
25 -- -- 26 --	26.0	5-S	1'6"	3-3-5 (8)	FAT CLAY WITH GRAVEL, (CH) moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4), mottled, black (N1) organic matter from 25'-26', wet, loose, firm	
27 -- 28 -- 29 --	29.5					Samples show no activity above background
30 -- -- 31 --	31.0	6-S	1'5"	3-4-4 (8)	FAT CLAY WITH GRAVEL, (CH) moderate reddish brown (10 R 4/6) with minor grayish orange (10 YR 7/4), mottled and black (N1) organic matter from 29.5'-30'9", wet, loose, firm, abundant organic matter	
32 -- 33 -- 34 --	34.5					
35 -- -- 36 --	36.0	7-S	2'	3-4-3 (7)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) with minor grayish orange (10 YR 7/4), mottled and black organic matter, wet, loose, firm, minor chert gravel throughout, minor silt and sand (trace) stringers	
37 --						

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-678	Sheet 3 of 4
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-678
ELEVATION	DRILLING CONTRACTOR Brotcke		
DRILLING METHOD AND EQUIPMENT		4" I.D. HSA, CME Model 75 Rotary Drill Rig	
WATER LEVELS	START	9-29-90	FINISH 10-25-90
		LOGGER	M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
39 --	39.5					
40 --		8-S	2'2"	3-3-4 (7)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) with minor grayish orange (10 YR 7/4), mottled and black organic matter, wet, loose, firm, sandy intervals at 40'-40'8" otherwise, minor sand and chert gravel	
41 --	41.0					
42 --						Samples show no activity above background
43 --						
44 --	44.5					
45 --		9-S	2'	1-1-1 (1)	FAT CLAY, (CH) moderate reddish brown (10 R 4/6) with minor black (N1) organic matter throughout, wet, very loose, very soft, silty, interval at 45'8" to 45'10", minor ~ 10% of sand throughout much of interval	
46 --	46.0					
47 --						
48 --						
49 --	49.5					
50 --		10-S	2'	1-2-4 (6)	FAT CLAY WITH SAND, (CH) moderate reddish brown (10 R 4/6) with abundant grayish orange (10 YR 7/4), sandy silt, mottled and stringers, some light brown (5 YR 6/4) very sandy intervals, wet, loose, firm, wavy sandy silt intervals at 50'-51', dispersed chert gravel from 49.5-50.5'	08:20; interval logged Very easy to drive spoons last ~15' Wavy interval is possibly highly weathered rock
51 --	51.0					
52 --	53.0					Refusal at ~ 53', at 08:27
53 --						
--					Weathered dolomite, minor vugs with mud and chert	10/22/90 @ 17:00, set ~ 74' of surface casing in GW-678, grouted 10/23/90
--						
--						
--	75.0					

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-678	Sheet 4 of 4
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SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12 LOCATION GW-678

ELEVATION DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT Air Rotary, 7-7/8" Bit, Schramm Rig

WATER LEVELS START 9-29-90 FINISH 10-25-90 LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
80 -- -- 85 --	85.0				Dolomite, light gray (N7) to pinkish gray (5 YR 8/1), massive, moderate fizz, very finely crystalline	11:30; good rock, no water
90 -- -- 95 --	95.0				Dolomite, light brownish gray (5 YR 6/1), banding can be seen, minor ($\leq 15\%$) light gray dolomite (N7) massive, minor brown staining/oxide, trace white (N9) chert	Drilling rate ~ 7 min./ft., dry
100 -- -- 105 --	105.0				Dolomite, light brownish gray (5 YR 6/1), massive, no banding, very finely crystalline grading into a light gray (N7), dolomite at ~ 100' with trace shale	14:00
110 -- -- 115 --	115.0				Dolomite, medium light gray (N6), moderately crystalline, massive trace chert and calcite fracture fill	15:50; add another 25' pipe
120 -- -- 125 --	130.0				Dolomite, light brownish gray (5 YR 6/1), massive, very finely crystalline, moderate fizz	17:15
130 --					Dolomite, light brownish gray (5 YR 6/1), finely to moderately crystalline, massive, trace chert	No water, good rock
-- -- --					Dolomite with mud filled vug, very broken up, contains cert, shale, mudstone, black lignite looking material, sandstone, abundant black staining/oxide	18:15; mud vug with water, very muddy Let sit overnight 10/25/90 - hole had water to ~ 6'
					T.D. ~ 132'	BLS, clean hole & set screen/riser

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-679

Sheet 1 of 5

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-679

ELEVATION 1050

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT 4" I.D. H.S.A. CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-26-90

FINISH 10-27-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
1 -- 2 -- 3 -- 4 --	4.5				Surface material consists of grayish orange (10 YR 7/4) clay with chert clasts	At 16:15, start drilling
5 -- 6 --	6.0	1-S	1.5'	4-6-7 (13)	<u>FAT CLAY WITH GRAVEL</u> (CH), grayish orange (10 YR 7/4) with gray (N8) mottled laminations at 4"8" changing to moderate brown (5 YR 4/4) with red (5 R 4/6) mottling from 5.5'-6', moist, medium, stiff, mottled, clasts of white chert up to 3 cm, less red chert, chert in 5'-6' interval, very little sand size, some caliche	Background 47 cpm
7 -- 8 -- 9 --	9.5					Samples show no activity/OVA above background
10 -- 11 --	11.0	2-S	1.5'	4-8-7 (15)	<u>FAT CLAY WITH GRAVEL</u> (CH), moderate red (5 R 4/6) and pinkish gray (5 YR 8/1) mottled, moist, medium, stiff, mottled throughout interval, small < 1 cm chert dispersed throughout interval, sand content decreasing with depth	
12 -- 13 -- 14 --	14.5					
15 -- 16.0		3-S	1'4"	11-15-37 (52)	<u>GRAVELLY FAT CLAY</u> (CH), moderate red (5 R 4/6) and grayish orange (10 YR 7/4) mottled, moist, dense, hard, mottled 14' to 14'3" and 15'-15'6", other intervals are dominantly chert, gray/clear in color, mot- tled intervals contain ~ 20% gray chert	Encountered chert at ~ 15'6", hard to penetrate, sample classified dense, hard due to chert

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-679

Sheet 2 of 5

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-679

ELEVATION 1050

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT 4" I.D. H.S.A. CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-26-90

FINISH 10-27-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
17 -- 18 -- 19 --	19.5					
20 -- -- 21 --	21.0	4-S	1.5'	12-14-20 (34)	FAT CLAY WITH GRAVEL (CH), moderate red (5 R 4/6) and grayish orange (10 YR 7/4) mottled, moist, dense, hard, mottled throughout, very little sand size in interval, tan, gray and white chert up to 4 cm	Chert clasts made penetration difficult
22 -- 23 -- 24 --	24.5					
25 -- -- 26 --	26.0	5-S	1'5"	6-10-12 (22)	FAT CLAY WITH GRAVEL (CH), moderate red (5 R 4/6) and grayish orange (10 YR 7/4) mottled, moist, medium, very stiff, mottled throughout interval, light gray chert horizon at 25'-25'3", clasts of white and gray chert throughout interval	Samples show no activity/OVA above background
27 -- 28 -- 29 --	29.5					
30 -- -- 31 --	31.0	6-S	1'5"	4-8-10 (18)	FAT CLAY (CH), moderate red (5 R 4/6) and grayish orange (10 YR 7/4) mottled from 19.5' to 20', rest of interval minor mottling, moist, medium, very stiff, very little gravel and less sand content	
32 -- 33 -- 34 --						

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-679

Sheet 3 of 5

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-679

ELEVATION 1050

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. H.S.A. CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-26-90 FINISH 10-27-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
35 --	35.5	7-S	1'4"	10-14-12 (26)	<u>FAT CLAY</u> (CH), moderate red (5 R 4/6) and grayish orange (10 YR 7/4), moist, medium, very stiff, slightly mottled	
36 --	36.0	7-S			<u>FAT CLAY WITH GRAVEL</u> (CH), moderate red (5 R 4/6) and grayish orange (10 YR 7/4) mottling, moist, medium, very stiff, chert clasts from 35'6"-35'9" then into mottling, clast interval has ~ 20% sand sized particles	
37 --						Samples show no activity/OVA above background
38 --						
39 --	39.5					
40 --	41.0	8-S	1.5'	4-6-10 (16)	<u>FAT CLAY WITH GRAVEL</u> (CH), red/ brown (10 R 4/6) with brown (5 YR 5/6) sandy stringers & minor moderate red (5 R 4/6) and grayish orange (10 YR 7/4), mottled, black organics throughout, moist, medium, stiff/very stiff, sandy stringer 39'7" to 39'11", black organic detritus throughout interval	Some chert clasts at ~ 41', otherwise gravel dispersed
41 --						Tip of spoon wet
42 --						
43 --						
44 --	44.5					
45 --	45.2	9-S	1.5'	4-7-5 (12)	<u>POORLY GRADED SAND WITH CLAY</u> (SP-SC), pale yellowish brown (10 YR 6/2), medium grained, well sorted clean sand with minor clay from 44'7" to 45'2", clay at 44'6" is moderate reddish brown (10 R 4/6), slightly mottled and contains minor black (N1) organic matter, very loose, soft, clean uniform quartz sand, saturated	
--	46.0				<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6), red mottled with pale yellowish brown (10 YR 6/2), black (N1) organic matter through interval, wet, medium, stiff, mottled throughout	Fat clay is plastic when wet

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-679	Sheet 4 of 5
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-679
ELEVATION	1050	DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT		4" I.D. H.S.A. CME Model 75 Rotary Drill Rig	
WATER LEVELS	START	9-26-90	FINISH 10-27-90
		LOGGER	M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
47 -- 48 -- 49 --	49.5					
50 -- --	51.0	10-S	1'11"	5-8-8 (16)	<u>FAT CLAY WITH GRAVEL</u> (CH), moderate reddish brown (10 R 4/6), with pale yellowish brown (10 YR 6/2) mottled and black organic matter throughout, wet, medium, stiff/very stiff, 49'9"-50' chert clasts dominant, otherwise, chert clasts through interval, organic matter ~ 10%, some fairly large pieces up to ~ 1 cm	
51 -- 52 -- 53 -- 54 --	54.5					Samples show no activity/OVA above background
55 -- --	56.0	11-S	1'	7-9-7 (16)	<u>GRAVELLY FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, white and gray chert, wet, medium, stiff, a lot of gravel throughout minor black organic matter, some sand size material ~ 5%	Poor recovery; gravel increases slightly with depth
56 -- 57 -- 58 -- 59 --	59.5					
60 -- -- 61 --	61.0	12-S	1'5"	6-7-8 (15)	<u>FAT CLAY WITH GRAVEL</u> (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, wet, medium, stiff, gravelly throughout with black organic matter increased from last interval, clasts are white and gray chert	

PROJECT NUMBER
SED30490.FC

BORING NUMBER

GW-679

Sheet 5 of 5

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-679

ELEVATION 1050

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT 4" I.D. H.S.A. CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-26-90

FINISH 10-27-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
63 -- 64 -- --	64.5					
65 -- -- 66 --	66.0	13-S	1'9"	2-6-6 (12)	FAT CLAY (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, minor black organic matter, wet, medium, stiff, minor gravel ($< 15\%$) throughout, mottled	
67 -- 68 -- 69 --	69.5					Samples show no activity/OVA above background
-- 70 --	70.0	14-S	0'	50/3	HIT ROCK	Bedrock at ~ 69'8" at 11:15
75 -- 80 -- 85 -- 90 -- 95 --	95.0				Weathered dolomite, mud filled vugs, very broken up to ~ 90'	Set ~ 95' surface casing, 10/25/90, and grout in place
100 -- 105 --	105.0				Dolomite, light gray (N7), moderate fizz, chert, white (N9) to very light gray (N8) to moderate red (5 R 4/6), ~ 40%, some quite weathered, trace calcitic chert, very mixed and broken up, trace shale, siltstone	No water; slow drilling Drilling rate ~ 8 min./ft.
-- 110 --	110.0				Dolomite, light gray (N7), massive, chert content ~ 15-20%, trace shale	11:30; chatter, slow drilling-- good rock
115 -- 120 -- 125 -- 130 --	132.0				Dolomite, light gray (N7), coarsely crystalline, massive, moderate fizz, trace chert, crystallinity decreases to moderately crystalline with depth, with color grading to a pinkish gray (5 YR 8/1)	13:30; ~ 1 gal./min.
--					T.D. 132'	

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-680

Sheet 1 of 4

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-680

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-30-90

FINISH 10-15-90

LOGGER

M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
1 -- 2 -- 3 -- 4 --	4.5					
5 -- 6 --	6.0	1-S	12"	6-15-11 (26)	GRAVELLY FAT CLAY (CH), reddish brown (10 R 4/6) with minor grayish orange (10 YR 7/4), mottled, moist, medium, very stiff, chert gravel 4.5' to 5', mottled clay with minor gravel 5' to 5.5'	Sampled at 10:15
7 -- 8 -- 9 --	9.5					
10 -- 11 --	11.0	2-S	1'6"	2-3-4 (7)	SILT (ML), grayish orange (10 YR 7/4) with abundant black (N1) organic matter, moist, loose, firm, mottled silt with clay and organic matter throughout interval, minor greenish white mottling at 10'8" to 10'9"; no gravel	Samples show no activity/OVA above background
12 -- 13 -- 14 --	14.5					
15 -- 16 -- 17 -- 18 --	16.0	3-S	6"	6-29-30 (59)	FAT CLAY WITH GRAVEL (CH), reddish brown (10 R 4/6), with moderate brown (5 YR 4/4) organic matter, moist, very dense, hard, very gravelly, some sand sized, chert in end of spoon	Very hard to drive spoon, chert gravel in end, poor recovery

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-680

Sheet 2 of 4

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-680

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-30-90

FINISH 10-15-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
20 --	21.0	4-S	1'6"	5-8-8 (16)	FAT CLAY (CH), moderate reddish brown (10 R 4/6), moist, medium, stiff/very stiff, slightly mottled, with tan, black organic matter and minor chert gravel throughout	
21 --						
22 --	24.5					
23 --						
24 --						
25 --	26.0	5-S	1'10"	4-5-8 (13)	FAT CLAY (CH), moderate reddish brown (10 R 4/6), minor grayish orange (10 YR 7/4) mottled, moderate black organic matter throughout, moist, medium, stiff, minor gravel	Very stiff to cut
26 --						
27 --	29.5					Samples show no activity/OVA above background
28 --						
29 --						
30 --	31.0	6-S	6"	8-29-21 (50)	GRAVELLY FAT CLAY (CH), reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled, very moist to wet, very dense, hard, dominantly chert gravel for 3" of 6" recovery	
31 --						
32 --	34.5					
33 --						
34 --						
35 --	36.0	7-S	2'	1-3-4 (7)	FAT CLAY WITH GRAVEL (CH), reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled of silt/sand, wet, loose, firm, interval has abundant chert gravel and silt/sand dispersed throughout	
36 --						
37 --						

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-681	Sheet 2 of 6
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-681
ELEVATION	DRILLING CONTRACTOR Brotcke		
DRILLING METHOD AND EQUIPMENT	4" I.D. HSA, CME Model 75 Rotary Drill Rig		
WATER LEVELS	START 9-30-90	FINISH 10-24-90	LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
20 -- -- 21 --	21.0	4-S	4"	6-20-22 (42)	Only chert and minor reddish brown clay recovered ~ 4"	Poor recovery due to chert
22 -- 23 -- 24 --	24.5					
25 -- -- 26 --	26.0	5-S	1'6"	5-7-11 (18)	<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled, moist, medium, very stiff, some gravel and silt throughout, trace organic	Sampled at 16:10
27 -- 28 -- 29 --	29.5					Samples show no activity above background
30 -- -- 31 --	31.0	6-S	1'1"	5-6-7 (13)	<u>FAT CLAY WITH GRAVEL</u> (CH), moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottling, black organic matter, medium, stiff, chert at 29'6"-29'9" and dispersed throughout	Chert clogging spoon
32 -- 33 -- 34 --	34.5					
35 -- -- 36 --	36.0	7-S	1'7"	3-5-10 (15)	<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4), mottled, minor black organic matter, medium, stiff, minor chert gravel, decreasing with depth, fair amount of silt	
37 --						

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-681

Sheet 3 of 6

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-681

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-30-90

FINISH 10-24-90

LOGGER

M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS	SOIL DESCRIPTION	COMMENTS
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	6"-6"-6" (N)	Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
39 --	39.5					
40 --		8-S	1'6"	4-6-7 (13)	<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, trace black organics, moist, medium, stiff, very little gravel	Sampled at 16:35
41 --	41.0					
42 --						
43 --						
44 --	44.5					
45 --		9-S	1'6"	7-5-5 (10)	<u>FAT CLAY WITH GRAVEL</u> (CH), moder- ate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, black organic material from 45'8"-46', moist/wet, loose, stiff, abundant chert gravel throughout	
46 --	46.0					
47 --						
48 --						Samples show no activity above background
49 --	49.5					
50 --		10-S	2'	4-7-10 (17)	<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, trace black organic, moist, medium, very stiff, gravelly 50'4" to 50'10", otherwise, trace gravel	
51 --	51.0					
52 --						
53 --						
54 --	54.5					
55 --		11-S	1'2"	2-4-7 (11)	<u>SILT WITH GRAVEL</u> (ML), light brown (5 YR 5/6) with reddish brown (10 R 4/6) mottled and intervals, wet, medium, stiff, silt is dominant but a lot of clay through- out interval	Sampled at 13:22, 10/1/90
--	56.0					

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION **GW-681**

ELEVATION

DRILLING CONTRACTOR **Brotcke**

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 8-30-90

FINISH 10-24-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION TEST RESULTS 6"-8"-6" (N)	Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
57 -- 58 -- 59 --	59.5					
60 -- -- 61 --	61.0	12-S	1'10"	5-12-7 (19)	FAT CLAY (CH), reddish brown (10 R 4/6), wet, medium, very stiff, grading into a very silt rich interval, from 60.5' (ML) silt interval to 61'3" that is tan with greenish and red mottled with moderate black organic matter	
62 -- 63 -- 64 --	64.5					
65 -- -- 66 --	66.0	13-S	2'	16-18-21 (39)	GRAVELLY FAT CLAY (CH), reddish brown (10 R 4/6) with light brown (5 YR 5/6) streaks and mottling, wet, dense, hard, the gravelly interval from 64'7" - 65'4" grades into a silty clay interval with minor gravel, a fair amount of sand with the gravel	Samples show no activity above background
67 -- 68 -- 69 --	69.5					
70 -- -- 71 --	71.0	14-S	2'	6-10-12 (22)	FAT CLAY (CH), moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled with minor black organic throughout, wet, medium, very stiff, virtually no gravel in interval, a lot of silt ~ 20-30%	
-- -- -- -- -- -- -- -- -- --	83.0				Bedrock ~ 72' Weathered dolomite and vug interval 71-83'	T.D. 72', hit bedrock 10/2/90, finish grouting GW-681 surface casing

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-681

Sheet 5 of 6

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-681

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

Air Rotary, 7-7/8" Bit, Schramm Rig

WATER LEVELS

START 10-11-90

FINISH 10-24-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-8"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
90 -- -- 95 -- -- 100 -- --	105.0				Dolomite, medium light gray (N6) grading to light gray (N7) at ~ 90', massive, moderate fizz, white chert (N9), some very light, gray (N8) from ~ 20%, at ~ 85 to trace from 90'-100'; limy, very fine grained sandstone/siltstone, light gray (N7), moderate fizz, ~ 10-20% from 97'-100', trace (< 10%) after 100', 83'-105' very consistent interval	11:00 At 12:00-13:45, shut down, not drilling At 100', small mud seam, a little water
105 -- -- 110 -- -- 115 -- -- 120 -- --	125.0				Dolomite, pinkish gray (5 YR 8/1) to very light gray (N8), pinkish color increasing with depth, chert, light gray (N7) to clear ~ 10% decreasing to trace at 125', very trace "oolitic" chert, very fine grained sandstone/siltstone, moderate fizz, pinkish gray (5 YR 8/1) < 10%, very trace shale	At 14:50, add 25' of pipe Chatter At ~ 119', water gets very muddy again Chatter at 125'
125 -- -- 130 -- -- 135 -- -- 140 -- -- 145 -- -- 150 --	155.0				Dolomite, light gray (N7), crystalline, moderate fizz, massive, very trace chert, fine grained sandstone/siltstone, shale, formation gets more competent with depth, drilling rate slows but rock shows very little variation with depth, color changes to a very light gray (N8) at ~ 140' with ~ 50% still N7, more finely crystalline	At 15:30, add 25' of pipe Background readings on OVA, ESP-2 Drilling rate ~ 6"/minute Not much mud in cuttings, drilling rate has slowed, smaller cuttings, harder, less weathered rock

PROJECT NUMBER
SED30490.FCBORING NUMBER
GW-681

Sheet 6 of 6

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-681

ELEVATION

DRILLING CONTRACTOR

Brotcke

DRILLING METHOD AND EQUIPMENT

Air Rotary, 7-7/8" Bit, Schramm Rig

WATER LEVELS

START 10-11-90

FINISH 10-24-90

LOGGER

M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
160	170.0				Dolomite, light gray (N7) to light brownish gray (5 YR 6/1), massive, finely crystalline, very trace chert, has become very finely crystalline to micro crystalline with depth	08:00, 10/12/90; drilling rate ~ 4"/minute ~ 164' drilling rate increases, soft spot
165						
170						
175	175.0				Dolomite, light brownish gray (5 YR 6/1), sand stone, medium grained moderate orange pink (5 YR 8/4), ~10%, trace chert with staining	10:00
180	185.0				Dolomite, light brownish gray (5 YR 6/1), fine grained sandstone, very light gray (N8) to pinkish gray (5 YR 8/1) ~ 20-25%, chert, light gray (N7) ~ 10%	Mud opening, very muddy, fast drilling At 11:35, making ~ 5 gpm
185						
200						
230.0					T.D. 230'	At 230' at 17:00, not making any more water

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-682	Sheet 1 of 5
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-682
ELEVATION	DRILLING CONTRACTOR Brotcke		
DRILLING METHOD AND EQUIPMENT		4" I.D. HSA, CME Model 75 Rotary Drill Rig	
WATER LEVELS	START	9-30-90	FINISH 10-10-90
		LOGGER	M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
1 --						
2 --						
3 --						
4 --	4.5					
5 --		1-S	1'3"	9-9-12 (21)	FAT CLAY WITH GRAVEL (CH), light brown (5 YR 5/6) grading to moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled, damp to moist, medium, very stiff, chert gravel decreasing w/depth into a fat clay	Sampled at 12:00
6 --	6.0					
7 --						
8 --						
9 --	9.5					
10 --		2-S	1'6"	6-9-15 (24)	FAT CLAY (CH), moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled, moist, medium, very stiff chert gravel at 10' to 10'2" with black organic material	Samples show no activity/OVA above background
11 --	11.0					
12 --						
13 --						
14 --	14.5					
15 --		3-S	1'4"	9-12-17 (29)	FAT CLAY WITH GRAVEL (CH), reddish brown (10 R 4/6), moist, medium, very stiff, abundant chert throughout, minor tan silt and black organic matter	Chert made blow counts high
16 --	16.0					
17 --						
18 --						
19 --						

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-682

Sheet 2 of 5

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-682

ELEVATION

DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT

4" I.D. HSA, CME Model 75 Rotary Drill Rig

WATER LEVELS

START 9-30-90

FINISH 10-10-90

LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
20 -- -- 21 -- 22 -- 23 -- 24 --	21.0	4-S	1'8"	4-6-7 (13)	<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled, with black organic material throughout, moist, medium, stiff, some gravel and sand particularly in 19.5'-20'	
25 -- -- 26 -- 27 -- 28 -- 29 --	26.0	5-S	2'	3-4-7 (11)	<u>FAT CLAY</u> (CH), moderate reddish brown (10 R 4/6) and grayish orange (10 YR 7/4) mottled and minor black organic matter throughout, moist, medium, stiff, very little gravel/sand	Sampled at 12:29
30 -- -- 31 -- 32 -- 33 -- 34 --	31.0	6-S	6"	6-50 50/6	<u>FAT CLAY WITH GRAVEL</u> (CH), reddish brown (10 R 4/6), abundant black organic matter and coating on chert, very moist, very dense, hard abundant gravel and some sand sized particles	Sampled at 12:52; refusal trying to drive spoon, poor recovery, rock zone, crumbly
35 -- -- 36 -- 37 -- 38 --	36.0	7-S	2'	6-9-9 (18)	<u>FAT CLAY</u> (CH), reddish brown (10 R 4/6) mottled and black organic matter, moist, medium, very stiff, moderate amount of silt throughout most of interval, lesser sand sized material, very minor gravel size	

PROJECT NUMBER SED30490.FC	BORING NUMBER GW-682	Sheet 3 of 5
SOIL BORING LOG		

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-682
ELEVATION		DRILLING CONTRACTOR	Brotcke
DRILLING METHOD AND EQUIPMENT	4" I.D. HSA, CME Model 75 Rotary Drill Rig		
WATER LEVELS	START 9-30-90	FINISH 10-10-90	LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION	Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
				TEST RESULTS 6"-6"-6" (N)		
39.5						
40		8-S	2'	5-8-14 (22)	<u>FAT CLAY</u> (CH), grayish orange (10 YR 7/4) grading into reddish brown (10 R 4/6), wet, medium, very stiff, very silty interval from 39'6" to 40'2", grading into a clay with a few silt stringers, minor chert gravel and black organics	Sampled at 13:14
41	41.0					
42						
43						
44	44.5					
45		9-S	1'10"	9-11-12 (23)	<u>SANDY FAT CLAY WITH GRAVEL</u> (CH), moderate reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) intervals, wet, medium, very stiff, very sandy from 44'8"-45', 2 chert horizons, 1 more thin sand layer at 45'10"	Sand appears to be weathered sandstone, medium grained, w/ sorted
46	46.0					
47						
48						Samples show no activity/OVA above background
49	49.5					
50		10-S	2'	5-6-7 (13)	<u>FAT CLAY WITH SAND</u> (CH), light reddish brown (10 R 4/6) grading into reddish brown, wet, medium, stiff, 49.5' to 50.5' is very sandy, a few sand and silt stringers throughout the rest of the interval, trace gravel	Weathered sandstone
51	51.0					
52						
53						
54	54.5					
55		11-S	2'	3-4-5 (9)	<u>FAT CLAY WITH GRAVEL</u> (CH), reddish brown (10 R 4/6) with grayish orange (10 YR 7/4) mottled, very dispersed, wet, loose, firm/stiff, sandy interval from 54.5' to 54'8", entire interval contains chert gravel, silt & minor sand	13:50; bedrock at ~ 58'
56	56.0					
57						
	58.0					

PROJECT NUMBER
SED30490.FC

BORING NUMBER
GW-682

Sheet 4 of 5

SOIL BORING LOG

PROJECT Filled Coal Ash Pond, Y-12

LOCATION GW-682

ELEVATION DRILLING CONTRACTOR Brotcke

DRILLING METHOD AND EQUIPMENT Air Rotary, 7-7/8" Bit, Schramm Rig

WATER LEVELS START 9-30-90 FINISH 10-10-90 LOGGER M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	COMMENTS Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)			
60	65.0				Weathered dolomite light brownish gray (5 YR 6/1), some medium light gray chert (N8) and white (N9) chert, dolomite has a moderate fizz	Minor vugs encountered while setting surface casing Set 8" casing to 65'
65					Light brownish gray (5 YR 6/1) dolomite, very light gray (N8) to medium light gray (N6) chert, ~ 10-15%, trace white (N9) chert	14:00; adding a little water
70	70.0					
75	80.0				Dolomite grades from above to brownish gray (5 YR 4/1), crystalline, massive, moderate fizz, only a trace of chert, minor amount of calcite fracture fill	
80					Dolomite graded from above to light gray (N7), massive to ~ 81' then back to the crystalline, light brownish gray (5 YR 6/1), trace chert	
85	82.0					
85	85.0				Dolomite, pinkish gray (5 YR 8/1) to very light gray (N8); trace crystalline dolomite and chert, trace limy mudstone, sandstone	Pipe drops ~ 1' At 14:50, add new pipe (25'), a lot of chatter, mud/vug interval
90	105.0				Dolomite, light brownish gray to medium light gray (5 YR 6/1 - N6), trace shale, chert, limy mudstone, this dolomite grades into a very light gray (N8) dolomite at ~ 97' with traces of chert, mudstone, but no shale	At 16:10, add another 25' of pipe At 16:15, drillers make a water run
95						
100						
105						

SOIL BORING LOG

PROJECT	Filled Coal Ash Pond, Y-12	LOCATION	GW-682
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ELEVATION	DRILLING CONTRACTOR	Brotcke
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DRILLING METHOD AND EQUIPMENT Air Rotary, 7-7/8" Bit, Schramm Rig

WATER LEVELS **START** 8-30-90 **FINISH** 10-10-90 **LOGGER** M. Thacker

DEPTH BELOW SURFACE (FT)	SAMPLE			STANDARD	SOIL DESCRIPTION	COMMENTS
	INTERVAL	NUMBER AND TYPE	RECOVERY (FT)	PENETRATION	Soil Name, USCS Group Symbol, Color, Moisture Content, Relative Density or Consistency, Soil Structure, Mineralogy	Depth of Casing, Drilling Rate, Drilling Fluid Loss, Tests and Instrumentation
				TEST RESULTS 6"-6"-6" (N)		
110 -- -- 115 -- -- 120 -- -- 125 -- -- 130 -- -- 135 -- -- 140 -- -- -- -- 143 -- -- -- -- -- -- -- -- 166 -- -- -- -- -- --	115.0				Dolomite, pinkish gray (5 YR 8/1) to very light gray (N8), massive, very trace chert	
	125.0				Dolomite, same as above only many clasts have small brownish gray (5 YR 4/1) spots, trace chert and fine grained sandstone	At 115' bit dropped ~ 8" quickly, otherwise, slow drilling
	135.0				Dolomite, pinkish gray (5 YR 8/1), massive, trace light gray (N7) chert, fine grained sandstone, very trace shale	At 17:30, add another 25' of pipe At 18:00, stop drilling
	142.0				Dolomite, pinkish gray (5 YR 8/1) to very light gray (N8) minor chert, sandstone; this dolomite grades into a light gray dolomite at ~ 140' that is crystalline	At 08:26, drilling rate ~ 1'/6 min.
	143.0				Chert, very light gray (N8) ~ 80%, ~ 20% light gray (N7) dolomite, trace sandstone	
	166.0				Dolomite, interval from ~143'-166' very consistent, massive, light brownish gray (5 YR 6/1), much of it finely crystalline, traces of chert and fine grained sandstone, very minor shale; sandstone content increases at ~ 160' to ~ 10%	At 08:50, checking to see how much water hole is making at at 150'; not much may be coming from above At 09:30, adding another 25' of pipe Chatter at ~ 163' At 10:20, making ~ 6 gpm at ~ 166'
					T.D. 166'	T.D. at ~ 10:30

Phase II Soil Boring Logs

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring #1		PAGE 1 OF 1
Facility: Y-12 Filled Coal Ash Pond (FCAP)				Site: OU-2
Project No.: 7907-006		Client/Project: Martin Manella Energy Systems (Y-12 Env. Restoration)		
Contractor: CDM Federal		Drill Contractor: Geotek		Driller: Rocky Ross
Drill Start: 5/25/93		Drill End: 5/26/93 1430		Borhole Dia(s): 6 1/4
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig				Total Depth: 34 ft BGS
Logged By: B. Jenks		Coordinates: —		Protection Level: D - Modified

Depth (ft)	SAMPLE			SPT RESULT s-s-s-s	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
0									
10	S1		2 1/2	—	0	0	Fine-grained, black to gray COAL ASH with some very fine sand, liquid	Ash	Ash becomes consistency of soup as augers are advanced.
20	S2		25/2	—	0	Bkd	Same as Above	Ash	
	S3		5/2	—	0	Bkd	Same as Above	Ash	
30	S4		6 1/2	—	0	Bkd	Same as Above w/ clay at very bottom	Ash	Very bottom of sample appeared to be clayey (transition zone)
	S5		1/2	—	0	Bkd	Silty clay w/ some limestone rubble, intermixed with coal ash	Ash	Boring Terminated @ 34 ft BGS
40									
50									

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring # 2		PAGE 1 OF 1	
Facility: Y-12 Chestnut Ridge OU-2				Site: OU-2	
Project No.: 7907-006		Client/Project: Y-12 Environmental Restoration			
Contractor: CDM Federal		Drill Contractor: Geotek		Driller: Rocky Ross	
Drill Start: 5/27/93		Drill End: 5/27/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig				Total Depth: 25 BGS	
Logged By: B. Jenks		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE			SPT RESULT 6-6-6-6	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
0									
5									
10	S1	Y12-AB-002-01 VOAs	6/24	—	0.0	8Kqd	Coal Ash, fine grained, black to grey, trace very fine sand, Saturated.	Ash	Saturated VOA sample only
15	S2	Y12-AB-002-01 Metals, Isotopes U & Thorium	12/24	—	0.0	8Kqd	Same as above	Ash	
20	S3	Y12-AB-002-01 Per/Probs, SVOCs, Metals, Isotopes U & Thorium	18/24	—	0.0	8Kqd	Same as above with some limestone, chert fragments in lower 1-2 inches.	Ash	Transition from ash to soil last 1-2 inches
25	S4		16/24	—	0.0	8Kqd	Clay, silty, dense, orange to brn-brown with limestone, and chert fragments.		Sample will be combined with soil sample from AB#1 & AB#3 to form sample; Y12-AT-001-01
30									

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring #3		PAGE 1 OF 1
Facility: Y-12 FILLED COAL ASH POND (FCAP)			Site: OU-2	
Project No.: 7907-006		Client/Project: Y-12 Environmental Restoration		
Contractor: CDM Federal		Drill Contractor: Geotek		Driller: Rocky Ross
Drill Start: 5/27/93		Drill End: 5/27/93		Borehole Dia(s): 6 1/4
Drill Method/Rig Type: Hollow Stem Auger/ATV Rig				Total Depth: 22 ft BGS
Logged By: B. JENKS		Coordinates:		Protection Level: D-Modified

Depth (ft)	SAMPLE			SPT RESULT s-s-s-s	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
0									
5	S1	Y12-AB-003-01 SVOAs, Metals, Isotopic U + Thorium	5/24	—	0.0	BKqd	COAL ASH fine-grained, Black to grey, with some fine grained sand and mott	Ash	Saturated
10	S2		8/24	—	0.0	BKqd	Same as above	Ash	
15	S3		24/24	—	0.0	BKqd	Same as above Bottom 2 inches silty org clay	Ash	Transition to Soil lower 2-inches
	S4		0/24	—	—	—	No Recovery (Clay)		
20	S5		4/24	—	0.0	BKqd	GRAVEL fragment chert and limestone, some org clay		Sample will be Composited with Soil Samples from AB#1 & AB#2 for Sample: Y12-AT-001-01
25									
30									

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring #4		PAGE 1 OF 2	
Facility: Y-12 Filled Coal Ash Pond				Site: DU-2	
Project No.: 7907-006		Client/Project: Y-12 Environmental Restoration			
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller: Rocky Ross	
Drill Start: 6/1/93		Drill End: 6/1/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type:				Total Depth:	
Logged By: B. JENKS		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE			SPT RESULT 6-6-6-6	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
0									Background Bismuth 40 cpm
5	S1	2/24	—	0.0	BKqd		COAL ASH Fine-grained, Black to grey, tr. very fine sand Saturated	Ash	
10	S2	18/24	—	0.0	BKqd		Same as above	Ash	
15	S3	24/24	—	0.0	BKqd		Same as above	Ash	
20	S4	12/24	—	0.0	BKqd		Same as above	Ash	
25	S5	12/24	—	0.0	BKqd		Same as above	Ash	
30									

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring #4		PAGE 1 OF 2	
Facility: 4-12 Filled Coal Ash Pond				Site: OU-2	
Project No.: 7907-006		Client/Project: 4-12 Environmental Restoration			
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller:	
Drill Start: 6/1/93		Drill End: 6/1/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig				Total Depth:	
Logged By: B. JENKS		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE			SPT RESULT s-s-s-s	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
30	S6	12/24	—	0.0	70		COAL ASH fine-grained, black to grey, w/ some very fine - fine grained sand	Ash	Background 40 cpm
35	S7	14/24	—	0.0	BKqd		Same as above w/ increased composition of fine sand	Ash	
40	S8	24/24	—	0.0	BKqd		Same as above w/ transition to clay (org to tan)	Ash	Transition from coal ash to clay.
	S9	8/24	—	0.0	BKqd		CLAY dense, tan to org. w/ chert and limestone fragments and organic debris including roots, wood, leaves.	<div style="border: 1px solid black; padding: 2px;"> 3.76 1.0 2.76 </div>	Sample volume composited with volume from AB#5 and AB#6 for sample: Y12-AT-002-01
* NOTE: Duplicate sample Y12-AB-004-11 was also collected from this boring location.									

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring # 5		PAGE 1 OF 2	
Facility: Y-12 Filled Coal Ash Pond				Site: DU-2	
Project No.: 7907-006		Client/Project: Y-12 Environmental Restoration			
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller: Rocky Ross	
Drill Start: 5/28/93		Drill End: 5/28/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig				Total Depth: 34 ft BGS	
Logged By: B. Jenks		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE			SPT RESULT 6-6-6-6	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
0									
5									
10	S1		12/24	—	0.0	BKqd	COAL ASH fine-grained, w/ + very fine sand, black to grey, saturated	Ash	
15									
20	S2		20/24	—	0.0	BKqd	Same as above	Ash	
25	S3		12/24	—	0.0	BKqd	Same as above	Ash	
30									

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

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LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring #5		PAGE 1 OF 2	
Facility: Y-12 Filled Coal Ash Pond				Site: OU-2	
Project No.: 7907-006		Client/Project: Y-12 ENVIRONMENTAL			
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller: Rocky Ross	
Drill Start: 5/28/93		Drill End: 5/28/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig				Total Depth: 34 ft BGS	
Logged By: B. JENKS		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE		Recovery (in)	SPT RESULT	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number		s-s-s-s	VOC's (ppm)	RAD (cpm)			
30									
	S4		18/24	—	0.0	BKqd	Same as above Bottom 4" org to bnn clay w/ some silt and limestone fragments	Ash	Transition from ash to clay (bottom 4")
	S5		5/24	—	0.0	BKqd			
35							CLAY org to brown, dense silty w/ some fine to med. size chert and limestone fragments.		Sample volume composed with volume from AB#4 and AB#6 Y12-AT-001-01

U = Shelby Tube	R = Rock Coring _____	Field G/C (Make/Mod.) _____
S = Split Spoon/Cont. Coring	H = Hydropunch _____	G/C Oper.: _____
C = Cuttings	O = Other _____	Comments: _____

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring # 6		PAGE 1 OF 1	
Facility: Y-12 Filled Coal Ash Pond				Site: OU-2	
Project No.: 7907-006		Client/Project: Y-12 ENVIRONMENTAL			
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller: Rocky Ross	
Drill Start: 5/28/93		Drill End: 5/28/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger /ATV Rig				Total Depth: 24 ft BGS	
Logged By: B. Jenks		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE			SPT RESULT s-s-s-s	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)		VOC's (ppm)	RAD (cpm)			
0									
5	S1	6/24	—	0.0	BKqd		COAL ASH, fine-grained black to grey, tr very fine-grained sand, saturated	Ash	
10	S2	6/24	—	0.0	BKqd		Same as above	Ash	
15	S3	14/24	—	0.0	BKqd		Same as above	Ash	
20	S4	20/24	—	0.0	BKqd		Same as above	Ash	Transition from ash to clay.
25	S5	10/24	—	0.0	BKqd		CLAY Org to brown, some silt and small limestone fragments		Sample volume composited with volume from AB#4 and AB#5 for: Y12-AT-002-01
30									

U = Shelby Tube R = Rock Coring Field G/C (Make/Mod.) _____
S = Split Spoon/Cont. Coring H = Hydropunch G/C Oper.: _____
C = Cuttings O = Other Comments: _____

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring #7		PAGE 1 OF 1
Facility: Y-12 Filled Coal Ash Pond			Site: DU-2	
Project No.: 7907-006		Client/Project: Y-12 Environmental Restoration		
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller: Rocky Ross
Drill Start: 6/1/93		Drill End: 6/1/93		Borhole Dia(s): 6 1/4
Drill Method/Rig Type:			Total Depth: 26 ft BGS	
Logged By: B. JENKS		Coordinates:		Protection Level: D-Modified

Depth (ft)	SAMPLE			SPT RESULT	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number	Recovery (in)	5-8-8-8	VOC's (ppm)	RAD (cpm)			
0									Bicron Background 40 cpm
5	S1		0/24	—	—	—	No Recovery	Ash	
10	S2		12/24	—	0.0	BKqd	COAL ASH very fine grained, Black to grey, tr. ry fine sand Saturated	Ash	
15	S3		24/24	—	0.0	BKqd	Same as above	Ash	
20	S4		13/24	—	0.0	BKqd	Same as above	Ash	
22	S5		6/24	—	0.0	BKqd	Same as above w/ roots	Ash	Transition zone
25	S6		20/24	—	0.0	BKqd	CLAY dense, orange w/ some silt, fine sand, and limestone fragments		Sample (sal) volume will be composited with volume from AB#8 and AB#9 for sample: Y12-AT-003-01
30							* NOTE: Matrix spike/matrix spike duplicate run on this sample.		

U = Shelby Tube	R = Rock Coring	Field G/C (Make/Mod.)
S = Split Spoon/Cont. Coring	H = Hydropunch	G/C Oper.:
C = Cuttings	O = Other	Comments:

LITHOLOGIC LOG		BORING/WELL NO.: Ash Boring # 8		PAGE 1 OF 1	
Facility: Y-12 FILLED COAL ASH BOND				Site: OU-2	
Project No.: 7907-006		Client/Project: Y-12 ENVIRONMENTAL RESTORATION			
Contractor: CDM Federal		Drill Contractor: GEOTEK		Driller: Rocky Ross	
Drill Start: 6/2/93		Drill End: 6/2/93		Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig				Total Depth: 19 ft BGS	
Logged By: B. JENKS		Coordinates:		Protection Level: D-Modified	

Depth (ft)	SAMPLE		SPT RESULT 6-6-6-6	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number		VOC's (ppm)	RAD (cpm)			
0								
5	S1	24/24	—	0.0	BKqd	COAL ASH fine-grained w/ very fine sand and rocks, black to grey.	Ash	
10	S2	24/24	—	0.0	BKqd	Same as above	Ash	
15	S3	24/24	—	0.0	BKqd	Same as above	Ash	
	S4	12/24	—	0.0	BKqd	Bottom 6-8 inches silty clay with limestone fragments		
20						Clay, silty, dense, with chert and limestone fragments (moist) orange.		Sample volume composed with AB#7 for sample. Y12-AT-003-01
25								
30								

U = Shelby Tube R = Rock Coring Field G/C (Make/Mod.) _____
S = Split Spoon/Cont. Coring H = Hydropunch G/C Oper.: _____
C = Cuttings O = Other Comments: _____

LITHOLOGIC LOG		BORING/WELL NO.: Ash Bonnq #9		PAGE 1 OF 1
Facility: Y-12 FILLED COAL ASH POND			Site: OU-2	
Project No.: 7907-006		Client/Project: Y-12 ENVIRONMENTAL RESTORATION		
Contractor: CDM Federal		Drill Contractor: GEOTEK	Driller: Rocky Ross	
Drill Start: 6/2/93		Drill End: 6/2/93	Borhole Dia(s): 6 1/4	
Drill Method/Rig Type: Hollow Stem Auger / ATV Rig			Total Depth:	
Logged By: B. JENKS		Coordinates:	Protection Level: D-Modified	

Depth (ft)	SAMPLE		SPT RESULT 6-6-6-6	H&S MONITOR		LITHOLOGIC DESCRIPTION	GRAPH LOG	COMMENTS
	Interval	Number		VOC's (ppm)	RAD (cpm)			
0								Background Bismuth 40 Cpm
	S1	12/24	—	0.0	8Kqd	COAL ASH fine to med grained, Black to grey, saturated	Ash	
5	S2	18/24	—	0.0	50	Same as above	Ash	
	S3	12/24	—	0.0	8Kqd	Same as above	Ash	
10	S4	24/24	—	0.0	8Kqd	COAL ASH med to fine grained w/ some fine sand. slightly coarser than samples above	Ash	
	S5	24/24	—	0.0	8Kqd	Same as above	Ash	
15	S6	—	—	—	—	No sample collected	Ash	
20	S7	2/24	—	0.0	8Kqd	No Recovery	Ash	
25	S8	24/24	—	0.0	8Kqd	COAL ASH Same as above Lower 1" org. clay	Ash	
	S9	2/24	—	0.0	8Kqd	GRAVELLY CLAY No Recovery	Ash	No sample volume
30								

U = Shelby Tube R = Rock Coring _____ Field G/C (Make/Mod.) _____
S = Split Spoon/Cont. Coring H = Hydropunch _____ G/C Oper.: _____
C = Cuttings O = Other _____ Comments: _____

Phase II Well Purging Logs

MONITORING WELL PURGING LOG		Sample ID No.: <u>Y-12-6W-321-01</u>
Installation: <u>Y-12</u>		WELL NO.: <u>6W-321</u>
HAZWRAP Contractor: <u>CDM-FPC</u>		Site: <u>Chestnut Ridge DU-2</u>
Purge Start: (Date) <u>6-14-93</u> (Time) <u>1115</u>	Project No.: <u>7907-006-001-01FLD</u>	
Purge End: (Date) <u>6-14-93</u> (Time) <u>1318</u>		
Purged by: <u>Brian Jenks + Jay Mitchell</u>		

Depth Measurement Ref. Point*: Top of Casing (South) Well Csg ID: 2" (4") 6" Other _____
 Well Hdspace/Odor: 0 PPM LNAPL Check (Y (N)) DNAPL Check (Y (N))
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

Depth to Top and Bottom of Screen interval 87.3 - 98.0
 Depth to LNAPL: _____ Depth to DNPL: ~~20.07~~ Orig. DTW: 20.08 Final DTW: 24.37

LNAPL/DNAPL Thickness _____ LNAPL/DNAPL Sample and Volume: _____

Measured Well TD: 100.7

(-) Orig. DTW: 20.08

(=) Wtr Col. Thick.: 80.6 (x) 4" - 0.65 Gals/ft (=) 6.50 Gals/Csg Vol. (x) 3 Csg Vol. (=) 19.5 Total
10.0 6" - 1.47 52.9 4 Purge
 5 Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☒ Bladder Pump ☒ Bailor ☐ SS ☒
 Tef ☐ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Purging Equipment (Make, Model, etc.) QED Purge Equipment Decon'd? Y / N

Purge Wtr Containerized? (Y (N)) Avg Purge Rate: 550-575 ML/min
 Weather: Cloudy + Misty Rain (Muggy) (75°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1115		1.0			18.4C	7.26	.246	14		Clear
1127		3.0			17.0C	7.42	.232	11		Clear
1140		5.0			16.4C	7.49	.210	9		"
1157		8.0			17.5C	7.44	.244	5		"
1210		11.0			18.2C	7.59	.132	4		"
1230		14.0			18.8C	7.51	.176	3		"
1247		17.0			17.6C	7.62	.134	3		"
1302		20.0			18.6C	7.68	.240	3		"

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

MONITORING WELL PURGING LOG

Sample ID No.: K-12 - GW - 512 - 01WELL NO.: GW-512Installation: K-12Site: Chestnut Ridge 00-2HAZWRAP Contractor: CDM Federal

Project No.:

Purge Start: (Date) 6-9-93 (Time) 1330Purge End: (Date) 6-9-93 (Time)Purged by: B. Jenks, J. MitchellDepth Measurement Ref. Point*: Top of Casing Mark Well Csg ID: 2" (4") 6" OtherWell Hdspace/Odor: 0.0 ppm L NAPL Check (Y/N) DNAPL Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

Depth to Top and Bottom of Screen interval 50.5 - 60.5

Depth to LNAPL: _____

Depth to DNPL: _____ Orig. DTW: 20.30 Final DTW: 21.63

LNAPL/DNAPL Thickness: _____ LNAPL/DNAPL Sample and Volume: _____

Measured Well TD: 64.82(-) Orig. DTW: 20.30

(=) Wtr Col. Thick.: 44.52 (x) 2" - 0.16
10.0 4" - 0.65 Gals/ft (=) 6.50 Gals/Csg Vol. (x) 3 Csg Vol. (=) 19.50 Total
6" - 1.47 Gals. 5

Purge Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailor ☐ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Purging Equipment (Make, Model, etc.) _____ Purge Equipment Decon'd? Y / N

Purge Wtr Containerized? (Y) / N) Avge Purge Rate: 500 ML/MIN gpm

Weather: _____ (°F)

Actual Time	Elapsed Time	Vois. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake(ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1330	0	0								
1336		3.5		18.5	18.2	7.72	.324	233		Silty, cloudy
1348		8.0			18.2	7.84	.326	192		Cloudy
1400		10.0			-	-	-	-		Slightly Cloudy
1415		12.0			22.2	7.61	.170	532		Slightly Cloudy
1430		13.0			21.6	7.80	.328			Slightly Cloudy
1445		15.0			17.4	7.30	.294	44		Slightly Cloudy
1455		17.0			19.5	7.46	.162	29		Clear
1510		18.0			20.9	7.23	.166	30		"
1520		20.0			22.3	7.19	.324	29		"

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Apeous Phase Liquid

12 $\overline{) 3.3}$
36
36

Sample ID No.: Y-12-6W-513-01

MONITORING WELL PURGING LOG

WELL NO.: 661-513Site: Chestnut Ridge DU-2Installation: Y-12HAZWRAP Contractor: CDM-FPCProject No.: 7907-006-001-01FLDPurge Start: (Date) 6-11-93 (Time) 0903 Purge End: (Date) 6-11-93 (Time)Purged by: Brian Tenks + Jay MitchellDepth Measurement Ref. Point*: Top of Casing (South) Well Csg ID: 2" 4" 6" Other _____Well Hdspace/Odor: 0 PPM LNAPL Check (Y (N)) DNAPL Check (Y (N))

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

Depth to Top and Bottom of Screen interval 114.8 - 124.8

Depth to LNAPL: _____

Depth to DNPL: 21.12 Orig. DTW: 21.12 Final DTW: 22.64

LNAPL/DNAPL Thickness _____ LNAPL/DNAPL Sample and Volume: _____

Measured Well TD: 127.625(-) Orig. DTW: 21.12

(=) Wtr Col. Thick.: 10.0 (x) 4" 0.65 Gals/ft (=) 650 Gals/Csg Vol. (x) 3 Csg Vol. (=) 19.50 Total Purge Gals.

2" - 0.16
6" - 1.47
1
2
3
4
5

Purge Method:

Submersible Pump ☒ Dedicated Bladder Pump ☒ Bladder Pump ☒ Bailor ☐ SS ☐Tef ☐ Centrifugal Pump ☐PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____Purging Equipment (Make, Model, etc.) QED Purge Equipment Decon'd? (Y (N))Purge Wtr Containerized? (Y (N)) Avg Purge Rate: 400 ml/min gpmWeather: 75° Clear + Warm (°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a.)	Cond. (umhos/m)	Turbidity (NTU)	Other	Comment
0903		.50			18.2	7.78	.252	20		Clear
0913		2.00			17.1	7.78	.338	120		Cloudy + Soapy
0922		2.50			16.9	7.70	.338	116		Cloudy
0933		4.00			16.7	7.63	.342	86		Cloudy
0945		6.00			16.8	7.70	.342	55		Cloudy
1001		8.00			16.5	7.67	.340	40		Slightly Cloudy
1010		10.00			16.9	7.70	.260	39		Clearing
1027		12.00			16.7	7.66	.224	35		Clear
1045		15.00			17.1	7.56	.338	37		Clear
1106		18.00			17.3	7.58	.340	32		Clear
1116		20.00 +			17.3	7.62	.324	30		Clear

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

MONITORING WELL PURGING LOG		Sample ID No.: <u>Y-12-6W-514-01</u>
Installation: <u>Y-12</u>		WELL NO.: <u>6W-514</u>
HAZWRAP Contractor: <u>CDM-FPC</u>		Site: <u>Chestnut Ridge DU-2</u>
Purge Start: (Date) <u>6-21-93</u> (Time) <u>0905</u>	Purge End: (Date) <u>6-21-93</u> (Time) <u>1250</u>	Project No.: <u>7907-006-001-0152</u>
Purged by: <u>Brian Jenks + Jay Mitchell</u>		

Depth Measurement Ref. Point*: Top of Casing Well Csg ID: 2" 4" 6" Other _____
 Well Hdspace/Odor: 0 PPM LNAPL Check (Y/N) _____ DNAPL Check (Y/N) _____
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc) _____

Depth to Top and Bottom of Screen interval Open hole
 Depth to LNAPL: _____ Depth to DNAPL: _____ Orig. DTW: 22.16 Final DTW: 24.97
 LNAPL/DNAPL Thickness _____ LNAPL/DNAPL Sample and Volume: _____

Measured Well TD: 197.2

(-) Orig. DTW: 22.16

	2" - 0.16		1			
(=) Wtr Col. Thick.: <u>175.04</u> (x)	4" - 0.65		2			
	6" - 1.47	Gals/ft (=) <u>257.30</u>	3	Gals/Csg Vol. (x) <u>3</u>	Csg Vol. (=) <u>771.92</u>	Total Purge Gals.
	-		4			
			5			

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailor ☐ Tef ☒ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Purging Equipment (Make, Model, etc.) QED Purge Equipment Decon'd? (Y) N

Purge Wtr Containerized? (Y) N Avg Purge Rate: 750 ML/min
 Weather: Cloudy + Rainy (70 °F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake(ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
0920		1.0			15.76	6.73	.284	230		Silty
0955		9.0			15.4	7.45	.366	183		"
1020		15.0			15.7	7.61	.362	188		"
1025		17.0			15.3	7.55	.360	178		"
1050		23.0			15.4	7.60	.360	203		"
1112		27.0			15.4	7.55	.358	212		"
1134		33.0			15.4	7.59	.356	206		"
1200		38.0			15.4	7.63	.354	206		"
1219		44.0			15.9	7.61	.354	187		cloudy
1246		50.0			15.9	7.71	.354	190		"

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

MONITORING WELL PURGING LOG		Sample ID No.: Y12-GW-672-01
Installation: Y-12		WELL NO.: GW-672
HAZWRAP Contractor: CDM Federal		Site: Chestnut Ridge 00-2
Purge Start: (Date) 6/8/93	(Time) 1530	Purge End: (Date) _____ (Time) _____
Purged by: James Wedelind		

Depth Measurement Ref. Point*: Top of Casing (South) Well Csg ID: 2" (4") 6" Other _____
 Well Hdspace/Odor: 0.0 LNAPL Check (Y N) DNAPL Check (Y N)
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc) _____

Depth to Top and Bottom of Screen Interval _____
 Depth to LNAPL: _____ Depth to DNAPL: _____ Orig. DTW: _____ Final DTW: _____

LNAPL/DNAPL Thickness _____ LNAPL/DNAPL Sample and Volume: _____

Measured Well TD: 30.34

(-) Orig. DTW: 25.63

(=) Wtr Col. Thick.: 4.71 (x) $\begin{matrix} 2" - 0.16 \\ 4" - 0.65 \\ 6" - 1.47 \end{matrix}$ Gals/ft (=) 3.06 Gals/Csg Vol. (x) $\begin{matrix} 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{matrix}$ Csg Vol. (=) 9.18 Total Purge Gals.

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailor ☐ SS ☒
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Purging Equipment (Make, Model, etc.) _____ Purge Equipment Decon'd? (Y N)

Purge Wtr Containerized? (Y N) Avg Purge Rate: 400 mL/min ⁶⁰⁰ _{gpm}
 Weather: Clear, sunny; hot low 90's, slight breeze (90 °F)

	Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/cm)	Turbidity (NTU)	Other	Comment
	1530	0	0	25.63	30						Slightly cloudy
3	1540	10	1L	—	"	22.0	7.21	304	19		"
4	1555	25				21.8	7.40	452	4		clear
5	1605	35				18.6	6.68	352	2		"
6	1615	45				18.9	6.80	516	1		"
7	1630	60				20.2	7.15	442	1		clear
8	1640	70		27.00		19.4	7.31	272	1		clear
9	1650					19.1	7.30	548	1		"
10	1700					18.9	7.38	554	1		"

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

MONITORING WELL PURGING LOG		Sample ID No.: <u>Y-12-6W-673-01</u>
Installation: <u>Y-12</u>		WELL NO.: <u>6W-673</u>
HAZWRAP Contractor: <u>CDM-FPC</u>		Site: <u>Chestnut Ridge OU-2</u>
Purge Start: (Date) <u>6-16-93</u> (Time) <u>1535</u>		Project No.: <u>7907-006-001-01F</u>
Purge End: (Date) <u>6-16-93</u> (Time) <u>0838</u>		
Purged by: <u>Brian Jenks + Jay Mitchell</u> <u>6-17-93</u>		

Depth Measurement Ref. Point*: Top of Casing (North) Well Csg ID: 2" (4") 6" Other _____
 Well Hdspace/Odor: 0 PPM LNAPL Check (Y/N) _____ DNAPL Check (Y/N) _____
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc) _____

Depth to Top and Bottom of Screen Interval _____
 Depth to LNAPL: N/A Depth to DNPL: N/A Orig. DTW: 9.92 Final DTW: 10.08
 LNAPL/DNAPL Thickness N/A LNAPL/DNAPL Sample and Volume: _____
 Measured Well TD: 135.5
 (-) Orig. DTW: 9.92
Set Packer at 110 2" - 0.16
 (=) Wtr Col. Thick.: 25.5 (x) (4") - 0.65 Gals/ft (=) 16.58 Gals/Csg Vol. (x) (3) Csg Vol. (=) 49.73 Total Purge Gals.
 6" - 1.47
 - - - - -

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Baller ☐ SS ☒
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Purging Equipment (Make, Model, etc.) QED Purge Equipment Decon'd? (Y)/N
per ESP-900 & ESP-901

Purge Wtr Containerized? (Y)/N Avg Purge Rate: 1200 First 35 Gals M/L/Min
550 Last 15 Gals M/L/Min
 Weather: Clear + Hot (90 °F)

Actual Time	Elapsed Time	Vois. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1547		3.0			18.2C	7.88	.260	7		clear
1556		6.0			17.2C	7.77	.350	14		clear slightly
1613		12.0			17.0C	7.83	.360	15		clear slightly
1633		18.0			16.4C	7.78	.360	9		clear
1702		23.0			16.1C	7.82	.362	5		clear
6-17-93 1717		29.0			15.9C	7.90	.360	3		clear
1730		33.0			15.9C	7.88	.358	3		clear
6-17-93 0742		38.0			14.9C	7.49	.336	6		clear
0809		44.0			15.1C	7.78	.204	4		clear
0838		49.0			15.3C	7.82	.208	5		clear

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

WELL NO.: 66-674

Site: Chestnut Ridge 04-2

Project No.:

Purchased by: Brian Tenks + Jay Mitchell

Well Hdspace/Odor: 0 PPM L NAPL Check (Y (N)) DNAPL Check (Y (N))

Depth to Top and Bottom of Screen interval 9.0 - 14.0

Depth to LNAPL: _____ Depth to DNPL: _____ Orig. DTW: 7.52 Final DTW: 8.01

LNAPL/DNAPL Thickness _____ LNAPL/DNAPL Sample and Volume: _____

Measured Well TD: 16.85

(-) Orig. DTW: 7.52

(=) Wtr Col. Thick.: 9.33 (x) $\frac{2'' - 0.16}{4'' - 0.65}$ Gals/ft (=) 6.064 Gals/Csg Vol. (x) $\frac{1}{2}$ Csg Vol. (=) 18.19 Total Purge Gals.

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailer ☐ Tef ☐ Centrifugal Pump ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Purging Equipment (Make, Model, etc.) QED Purge Equipment Decon'd? Y / N

Purge Wtr Containerized? (Y/N) Y Avg Purge Rate: 550 ML/min
Weather: Clear + Hot (80 °F)

[illegible]

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

MONITORING WELL PURGING LOG

Installation: <u>Y-12</u>	Sample ID No.: <u>Y12-GW-676-01</u>
HAZWRAP Contractor: <u>CDM-FPC</u>	WELL NO.: <u>GW-676</u>
Purge Start: (Date) <u>6-18-93</u> (Time) <u>1042</u>	Site: <u>Chestnut Ridge DU-2</u>
Purge End: (Date) <u>6-18-93</u> (Time) <u>1338</u>	Project No.: <u>9907-006-001-01FL</u>
Purged by: <u>Brian Jenks + Jay Mitchell</u>	

Depth Measurement Ref. Point*: Top of Casings (North) Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: 0 PPM LNAPL Check (Y/N) (N) DNAPL Check (Y/N) (N)
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

Depth to Top and Bottom of Screen interval 7.0 - 17.0
 Depth to LNAPL: _____ Depth to DNPL: N/A Orig. DTW: 7.02 Final DTW: 7.24
 LNAPL/DNAPL Thickness _____ LNAPL/DNAPL Sample and Volume: _____
 Measured Well TD: 20.33
 (-) Orig. DTW: 7.02

(=) Wtr Col. Thick.: 13.33 (x) (4) - 0.16
(4) - 0.65 Gals/ft (=) 8.65 Gals/Csg Vol. (x) (3) Csg Vol. (=) 25.95 Total Purge Gals.
 6" - 1.47
 - - -

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailer ☐ ☒ SS ☐ Centrifugal Pump ☐
 Tef ☐ PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Purging Equipment (Make, Model, etc.) QED Purge Equipment Decon'd? (Y) N

Purge Wtr Containerized? (Y) N Avg Purge Rate: _____ gpm
 Weather: Clear + Hot (80 °F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1042	2	2			19.1	7.20	.546	.1		Clear
1116		7			20.00	7.23	.536	2		Clear
1156		13			22.00	7.27	.548	1		Clear
1225		17			22.20	7.35	.554	1		Clear
1306		22			22.60	7.34	.556	1		Clear
1338		27			21.80	7.34	.552	1		Clear

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

Phase II Well Sampling Logs

Sample ID No.: Y-12-GW-321-01

MONITORING WELL SAMPLING LOG

WELL NO.: GW-321Installation: Y-12Site: Chestnut Ridge OU-2HAZWRAP Contractor: CDM-FPCProject No.: 7907-006-001-01F2DSample Start: (Date) 6-14-93 (Time)

Sample End: (Date)

(Time)

Sampled by: Brian Jenks + Jay MitchellOrig. SWL: 20.08 ft BTOC* Final SWL: 24.37 ft. BTOCScreen Interval: 87.3 - 98.0 ft BTOC

Temp	pH	Cond.	Turbidity

Are parameters 20%
of purge values? (Y) NRepurge Y (N)

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailer ☐ Tef ☒ Centrifugal Pump ☐PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____Sampling Equipment (Make, Model, etc.) QEDSample Equipment Decon'd? (Y) NIf pump or discrete bailer; Depth(s) where pump set: 95.5 ft. BTOCWeather: Cloudy + Misty Rain (80 °F)

Lab Analyses: (Circle)

VOASVOATAL
METALS

PEST/PCBS

TPH

CATIONS

ANIONS

TDS

Others: Gross Alpha + Beta Isotopic Uranium + ThoriumMetals: (Circle) Filtered Unfiltered BothField Dups.: Y (N) Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Sample ID No.: Y-12-6U-512-01WELL NO.: 6W-512Installation: Y-12Site: Chestnut Ridge DU-2HAZWRAP Contractor: CDM-FPCProject No.: 7904-006.001-0120Sample Start: (Date) 6-9-93 (Time) 1540 Sample End: (Date) 6-9-93 (Time) 1630Sampled by: Brian Jenks + Jay MitchellOrig. SWL: 20.30 ft BTOC* Final SWL: 21.63 ft. BTOCScreen Interval: 50.5 - 21.63 ft BTOC

Temp	pH	Cond.	Turbidity

Are parameters 20%
of purge values? (Y) NRepurge Y/(N)

No. repurge volumes: _____

Sampling Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☒
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____Sampling Equipment (Make, Model, etc.) QEDSample Equipment Decon'd? (Y) NIf pump or discrete bailer; Depth(s) where pump set: 54.0 ft. BTOC

Weather: _____ (°F)

Lab Analyses: (Circle)

VOA SVOA TAL METALS PEST/PCBS TPH CATIONS ANIONS TDS
Others: Gross Alpha + Beta Isotopic Uranium + ThoriumMetals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / N Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

Sample ID No.: Y-12-GW-513-01

MONITORING WELL SAMPLING LOG

WELL NO.: GW-513Installation: Y-12Site: Chestnut Ridge OU-2HAZWRAP Contractor: CDM-FPCProject No.: 7907-006-001-01FEPSample Start: (Date) 6-11-93 (Time) 1130 Sample End: (Date) 6-11-93 (Time) 1300Sampled by: Brian Jenks + Jay MitchellOrig. SWL: 21.12 ft BTOC* Final SWL: _____ ft. BTOCScreen Interval: 114.8 - 124.8 ft BTOC

Temp	pH	Cond.	Turbidity

Are parameters 20%
of purge values? Y / N

Repurge Y / N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☒ Bladder Pump ☐ Bailor ☐ SS ☒Tef ☐ Centrifugal Pump ☐PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____Sampling Equipment (Make, Model, etc.) QEDSample Equipment Decon'd? (Y) NIf pump or discrete bailer; Depth(s) where pump set: 123 "Approximately" ft. BTOCWeather: Clear + Hot (80 °F)

Lab Analyses: (Circle)

VOA

SVOA

TAL
METALS

PEST/PCBS

TPH

CATIONS

ANIONS

TDS

Others: Gross Alpha + Beta Isotopic Uranium + ThoriumMetals: (Circle) Filtered Unfiltered BothField Dups.: (Y) N

Referee Dups.: Y / N

Comments:

Duplicate - Y-12-GW-513-11*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

MONITORING WELL SAMPLING LOG		Sample ID No.: <u>Y-12-64-514-01</u>
Installation: <u>Y-12</u>		WELL NO.: <u>64-514</u>
HAZWRAP Contractor: <u>CDM-FPL</u>		Site: <u>Chestnut Ridge 04-2</u>
Sample Start: (Date) <u>6-21-93</u> (Time) <u>1300</u>		Project No.: <u>7907-006-001-11F1D</u>
Sample End: (Date) <u>6-21-93</u> (Time) <u>1420</u>		
Sampled by: <u>Brian Tenks + Jay Mitchell</u>		

Orig. SWL: 22.16 ft BTOC* Final SWL: 24.97 ft. BTOCScreen Interval: - ft BTOC Open Hole

Temp	pH	Cond.	Turbidity

Are parameters 20%
of purge values? (Y) NRepurge Y (N)No. repurge volumes:

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☒ Tef ☐ Centrifugal Pump ☐ PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other Sampling Equipment (Make, Model, etc.) OEDSample Equipment Decon'd? (Y) NIf pump or discrete bailer; Depth(s) where pump set: ft. BTOCWeather: Cloudy + Rainy (70 °F)

Lab Analyses: (Circle)

☒ VOA ☒ SVOA ☒ TAL METALS PEST/PCBS TPH CATIONS ANIONS TDS
 Others: Gross Alpha + Beta Isotopic Uranium + Thorium

Metals: (Circle) Filtered Unfiltered BothField Dups.: Y (N) Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

Sample ID No.: Y12-GW-672-01

WELL NO.: GW-672

MONITORING WELL SAMPLING LOG

Installation: Y-12

Site: Chestnut Ridge OU-2

HAZWRAP Contractor: CDM Federal

Project No.:

Sample Start: (Date) 6/9/93 (Time) 0930

Sample End: (Date) 6/9/93 (Time) 1045

Sampled by: B. JENKS/J. MITCHELL

Orig. SWL: 25.84 ft BTOC* Final SWL: 26.16 ft. BTOC

Screen Interval: 20 - 20 ft BTOC

Temp	pH	Cond.	Turbidity

Are parameters 20%
of purge values? Y / N

Repurge Y / (N)

No. repurge volumes: _____

Sampling Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailer ☐ SS ☒
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) QED Bladder Pump Serial # 02930

Sample Equipment Decon'd? (Y) / N

If pump or discrete bailer; Depth(s) where pump set: 30 ~ 30 ft ft. BTOC

Weather: Clear, slight breeze, warm (80 °F)

Lab Analyses: (Circle)

VOA

SVOA

METALS

PEST/PCBS

TPH

CATIONS

ANIONS

TDS

Others: Gross alpha and beta, Isotopic Uranium and Thorium

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / (N)

Referee Dups.: Y / (N)

Comments:

 Well purged on the afternoon of 6/8/93, sample collected within
 16 hours after purging.

 *BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

WELL NO.: 6U-673

Site: Chestnut Ridge MU-2

Project No.:

Sample End: (Date) 6-16-93 (Time)

Sampled by: Brian Jenks + Jay Mitchell

Screen Interval: - ft BTOC

Temp	pH	Cond.	Turbidity

Repurge Y / (N)

No. repurge volumes: _____

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailer ☐ Tef ☐ Centrifugal Pump ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y N

If pump or discrete bailer; Depth(s) where pump set: 112 Packer Set ft. BTOC

Weather: Clear & Hot, 90 °F

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS

Others: Gross Alpha + Beta Isotopic Uranium + Thorium

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / N Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

MONITORING WELL SAMPLING LOG		Sample ID No.: <u>K12-6W-674-01</u>
Installation: <u>K12</u>		WELL NO.: <u>6W-674</u>
HAZWRAP Contractor: <u>CDM-FPC</u>		Site: <u>Chestnut Ridge 04-2</u>
Sample Start: (Date) <u>6-16-93</u> (Time) <u>1403</u>		Project No.: <u>7907-006-001-01FLD</u>
Sample End: (Date) <u>6-16-93</u> (Time) <u>1400</u>		
Sampled by: <u>Brian Jenks + Jay Mitchell</u>		

Orig. SWL: 7.52 ft BTOC* Final SWL: 8.01 ft. BTOC
 Screen Interval: 9.0 - 14.0 ft BTOC

Temp	pH	Cond.	Turbidity

Are parameters 20%
 of purge values? Y/N

Repurge Y N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☒
 Tef ☐ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) QED

Sample Equipment Decon'd? Y/N

If pump or discrete bailer; Depth(s) where pump set: _____ ft. BTOC

Weather: Clear + Hot (80 °F)

Lab Analyses: (Circle)

VOA SVOA TAL METALS PEST/PCBS TPH CATIONS ANIONS TDS

Others: Gross Alpha + Beta Isotonic Uranium + Thorium

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / N Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

MONITORING WELL SAMPLING LOG		Sample ID No.: <u>Y-12-64-676-01</u>
Installation: <u>Y-12</u>	WELL NO.: <u>64-676</u>	
HAZWRAP Contractor: <u>CDM-FPC</u>	Site: <u>Chestnut Ridge OU-2</u>	
Sample Start: (Date) <u>6-18-93</u> (Time) <u>1345</u>	Sample End: (Date) <u>6-18-93</u> (Time) <u>1450</u>	
Sampled by: <u>Brian Jenks + Jay Mitchell</u>		

Orig. SWL: 7.02 ft BTOC* Final SWL: 7.24 ft. BTOC
 Screen Interval: 7.0 - 17.0 ft BTOC

Temp	pH	Cond.	Turbidity

Are parameters 20%
of purge values? Y / N

Repurge Y / N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailer ☐ SS ☒ Centrifugal Pump ☐
 Tef ☐ PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? (Y) N

If pump or discrete bailer; Depth(s) where pump set: _____ ft. BTOC

Weather: Clear + Hot (80 °F)

Lab Analyses: (Circle)

VOA SVOA TAL METALS PEST/PCBS TPH CATIONS ANIONS TDS
 Others: Gross Alpha + Beta Isotopic Uranium + Thorium

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / N Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

APPENDIX G

ECOLOGICAL EFFECTS OF CONTAMINANTS IN McCOY BRANCH, 1989-1990

Source: Martin Marietta Energy Systems, Inc. 1991. Remedial Investigation Report for Chestnut Ridge OU 2 (Filled Coal Ash Pond/McCoy Branch) at the Oak Ridge Y-12 Plant, Oak Ridge, Tennessee (Appendix B). ES/ER-23&D1 (Y/ER/Sub-90/97777/2), Oak Ridge Y-12 Plant, Oak Ridge, Tennessee.

ENVIRONMENTAL SCIENCES DIVISION

ECOLOGICAL EFFECTS OF CONTAMINANTS IN MCCOY BRANCH,
1989 - 1990

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This document contains information of a preliminary nature. It is subject to revision or correction and therefore does not represent a final report.

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ACRONYMS

AA	Atomic Absorption Spectroscopy
ACD	Analytical Chemistry Division
ANOVA	Analysis of Variation
BMAP	Biological Monitoring and Abatement Program
CPI	Cohort production interval
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DEM	Department of Environmental Management
DO	Dissolved oxygen
DOE	Department of Energy
EFK	East Fork Poplar Creek kilometer
EFPC	East Fork Poplar Creek
EPA	U.S. Environmental Protection Agency
EPT	Ephemeroptera, Plecoptera, and Trichoptera richness
ES	Emission Spectroscopy
ESD	Environmental Sciences Division, ORNL
FDA	U.S. Food and Drug Administration
G	Value derived from a median test for multiple samples
GCK	Grassy Creek kilometer
GC/ECD	Gas chromatography/electron capture detector
GC/MS	Gas chromatography/mass spectrophotometry
HESA	Department of Health, Safety, and Environmental Affairs
HSRD	Health and Safety Research Division
LCT	Life-Cycle Test
LOEC	Lowest observed-effect level
LR-o	Lake Reality outfall
MAF	Mean annual flow
MCK	McCoy Branch kilometer
NOEC	No observed-effect concentration
NPDES	National Pollutant Discharge Elimination System
ORNL	Oak Ridge National Laboratory
ORR	Oak Ridge Reservation
PAH	Polycyclic aromatic hydrocarbons
P/B	Production/biomass
PCB	Polychlorinated biphenyl
PGV	Preliminary guidance values
PPM	Parts per million
QA	Quality Assurance
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facilities Investigation
RQ	Rogers Quarry
SD	Standard deviation
SE	Standard error
TDC	Tennessee Department of Conservation
TRC	Total residual chlorine
TRE	Toxicity reduction evaluation
TSCA	Toxic Substances Control Act
TSS	Total suspended solids
TVA	Tennessee Valley Authority
WCK	White Oak Creek kilometer
WOC	White Oak Creek

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EXECUTIVE SUMMARY

The 1984 Hazardous and Solid Waste Amendments to RCRA required assessment of all current and former solid waste management units. Such a RCRA Facility Investigation (RFI) was required of the Y-12 Plant for their Filled Coal Ash Pond on McCoy Branch. Because the disposal of coal ash in the ash pond, McCoy Branch, and Rogers Quarry was not consistent with the Tennessee Water Quality Act, several remediation steps to address disposal problems were implemented or planned for McCoy Branch.

The McCoy Branch RFI plan included provisions for biological monitoring of the McCoy Branch watershed. The objectives of the biological monitoring were to: (1) document changes in biological quality of McCoy Branch after completion of a pipeline and after termination of all discharges to Rogers Quarry; (2) provide guidance on the need for additional remediation; and (3) evaluate the effectiveness of implemented remedial actions. The data from the biological monitoring program will also determine if the classified uses, as identified by the State of Tennessee, of McCoy Branch are being protected and maintained.

Background

In connection with the coal ash disposal, McCoy Branch has been segmented into four basic areas: (1) the headwater sections of McCoy Branch and a large coal ash pond created by a 19-m earthen dam; (2) a section of free-flowing stream that flows from under the dam into Rogers Quarry; (3) Rogers Quarry, a deep, steep-sided lake; and (4) a section of free-flowing stream that flows from Rogers Quarry into Melton Hill Reservoir, with an associated embayment area. Prior to May 1990, the major source of water for McCoy Branch was the coal-ash slurry pumped from the Y-12 Steam Plant. Initially (1955), the slurry was piped to the upper reaches and was contained behind the earthen dam. As the area behind the dam filled in (1965), the slurry was transferred by overflow to Rogers Quarry; at first through McCoy Branch and then in 1989 via a pipeline. Four measures were initiated in 1986 to reduce the volume of coal ash discharged to Rogers Quarry: (1) the Y-12 Steam Plant switched

to a higher grade of washed coal; (2) the Steam Plant was converted to use natural gas as the primary fuel type in the winter of 1988; (3) a dry ash handling system was installed to collect fly ash in May 1990, after which, fly ash was no longer discharged to Rogers Quarry; and (4) the Steam Plant is scheduled to install a bottom ash dewatering system in 1993, at which time all discharges to Rogers Quarry will cease.

Water Quality

In 1986, coal ash slurry discharged from the Y-12 Steam Plant was found to contain elevated amounts of aluminum, barium, boron, calcium, iron, magnesium, sodium, arsenic, strontium, potassium, total suspended solids, total phosphorous, sulfide, and sulfate when compared to background water concentrations. A comparison of water quality data from Rogers Quarry to data for the effluents from 14 ash ponds associated with TVA coal-fired power plants revealed that Rogers Quarry effluent was similar to effluent from other coal ash disposal ponds in the Tennessee Valley. Water quality data collected from a NPDES site below Rogers Quarry show a decrease in mean weekly levels of sulfate, arsenic, and selenium after the Y-12 Steam Plant converted from coal to natural gas as the primary fuel source.

Toxicity Testing

The results of the toxicity tests of water from McCoy Branch did not show much evidence for toxic conditions in this stream. In 7-d laboratory tests, survival and growth of fathead minnow larvae and survival and fecundity of *Ceriodaphnia* were generally high, although a few exceptions to this trend were evident. Similarly, in full life-cycle tests, *Ceriodaphnia* had significantly fewer broods and a slightly lower mean daily fecundity in McCoy Branch water than they did in the controls, but the number of neonates per brood tended to be greater than that in controls. Thus, the net effect of McCoy Branch water on *Ceriodaphnia* fecundity was small. In the *in situ* tests, snails apparently experienced more stress in McCoy Branch at MCK 1.60 (below Rogers Quarry) than they did at either MCK 1.92 (above Rogers Quarry) or at WCK 6.3 (reference stream). At MCK 1.60, the net movement of snails was downstream, whereas the net movement of the snails at the other two

sites was upstream. Typically, upstream movement of snails occurs in noncontaminated streams and the net movement is downstream in contaminated streams. Snails may actively move downstream as an escape behavior or may be passively transported downstream by flow. In 7-d laboratory tests, snails consumed less food when tested in water from McCoy Branch at MCK 1.60 than they did in water from either MCK 1.92 or WCK 6.3, but this difference was not statistically significant. The results of associated chemical analyses also suggest that the stream is not highly perturbed.

Bioaccumulation Studies

Concentrations of selenium, arsenic, and possibly thallium are elevated in largemouth bass from Rogers Quarry relative to bass from Melton Hill Reservoir and sunfish from Hinds Creek. Levels of selenium and possibly arsenic appeared to be elevated above background in bass from McCoy Branch embayment of Melton Hill Reservoir. Only arsenic exceeds conservatively based screening criteria; however virtually all biological materials exceed this criterion for arsenic. Cessation of inputs of fly ash to the system, coupled with the rapid biological turnover of selenium and arsenic, should result in continuing decreases in concentrations of these elements in fish. The very low concentrations of mercury in fish from Rogers Quarry are consistent with findings of other research on interaction between selenium and the bioaccumulation of mercury, and suggest research areas for possible remediation of local mercury-contaminated systems. Some fish from Rogers Quarry had deformed bony structures. These effects were not described in literature on effects of selenium or arsenic; although the age of the fish indicated they were exposed in the period of higher concentrations. Bioaccumulation of organic contaminants was not indicated in the McCoy Branch discharge.

Fish Community Assessments

The fish community of McCoy Branch was evaluated using qualitative samples above Rogers Quarry and quantitative samples below Rogers Quarry at MCK 1.56. Electrofishing samples were made in May 1989, October 1989, and May 1990 to provide population estimates. Results from the

fish assessments indicate that McCoy Branch was under severe stress. No fish populations were found above the quarry. This suggests past ash disposal practices were lethal to fish; current conditions could not be evaluated because repopulation of this section of McCoy Branch is prevented by Rogers Quarry. The community below Rogers Quarry, although permanent, appears stressed and greatly influenced by the proximity to Melton Hill Reservoir. The species composition is not typical for a small stream, and those species that inhabit the stream are generally more tolerant of degraded conditions. Additionally, abnormalities such as deformed heads and eroded fins that are typically infrequent in a normal stream population occur in a substantial percentage of the sunfish population. These deformities are the same types that were reported by the bioaccumulation studies.

Benthic Macroinvertebrate Community Assessment

The structure and composition of the benthic macroinvertebrate community in McCoy Branch are indicative of moderate stress. Maximum impact within this stream occurs upstream of Rogers Quarry as is exemplified by MCK 2.03. At MCK 2.03, substantial increases were observed in density, biomass, taxonomic richness, and EPT richness during the October and January sampling periods compared with April and July sampling, which suggests water quality improvement, but may also reflect seasonal impacts. Rogers Quarry acts as a settling basin for coal ash and reduces the impact of ash deposition on the benthic community downstream of the quarry. Although Rogers Quarry appears to reduce these impacts, it may also alter the physical and chemical environment downstream, which in turn alters the invertebrate community.

Some improvement in water quality was evident downstream of the quarry, as demonstrated by significantly higher density and biomass at MCK 1.40. However, taxonomic richness, EPT richness, and diversity were significantly lower at this site, compared to the reference site, indicating that the invertebrate community was impacted. The benthic community at MCK 1.40 did not exhibit the temporal increases in density, biomass, or taxonomic and EPT richness shown by MCK 2.03, indicating that this community is not experiencing similar changes in water quality. The stress on the benthic macroinvertebrate community in McCoy

Branch appears to be habitat alteration as a result of ash deposition within the stream channel and possibly leaching of potential toxicants (e.g., arsenic and selenium) from the ash. As stresses to McCoy Branch are further reduced or eliminated, a steady recovery of the benthic fauna at MCK 2.03 should occur; however, the recovery at MCK 2.03 may be slowed by the loss of supplemental flow to McCoy Branch.

Future Studies

Quarterly ambient toxicity tests will continue at MCK 1.60 and MCK 1.92 to monitor changes in water quality. Snail release studies are planned to determine whether snails can survive and grow in upper McCoy Branch. Largemouth bass from Rogers Quarry and McCoy Branch embayment will be sampled and analyzed to determine whether metal concentrations decrease as expected. A more detailed investigation of bony structure deformities will also be conducted. Fish populations will be surveyed at MCK 1.56 twice a year, with qualitative surveys conducted annually in upper McCoy Branch. An additional reference site will be added for comparison with the fish community data and additional qualitative surveys will be made to assess immigration potential. Long-term plans will be made for reintroduction of fish into upper McCoy Branch. Benthic communities will continue to be sampled quarterly at the current sites and an additional reference site will be added to evaluate differences related to the absence or presence of snails.

1. INTRODUCTION

The 1984 Hazardous and Solid Waste Amendments to the Resource Conservation and Recovery Act (RCRA) required assessment of all current and former solid waste management units. Such an assessment or RCRA Facility Investigation (RFI) was required of the Y-12 Plant for their Filled Coal Ash Pond (Murphy 1988). The Filled Coal Ash Pond (referred to as the ash pond in this report) was constructed in the 1950s on the upper portion of the McCoy Branch watershed. It received coal ash through a pipeline in a slurry from the coal-fired steam plant at Y-12. Because disposal of coal ash in the ash pond, and later in McCoy Branch and Rogers Quarry, was not consistent with the Tennessee Water Quality Act, several remediation steps (e.g., extending pipeline to Rogers Quarry) to address disposal problems were implemented or planned for McCoy Branch. The initial RFI plan examined the ash pond (Murphy 1988) and associated disposal concerns. An expanded RFI plan was also written to assess remediation in McCoy Branch and some downstream components of this waste management unit, e.g., Rogers Quarry (Murphy and Loar 1988).

The McCoy Branch RFI plan included provisions for biological monitoring of the McCoy Branch watershed. The objectives of the biological monitoring were to: "(1) document the degree of improvement in biological quality of McCoy Branch after completion of the pipeline and after all ash discharges to Rogers Quarry are terminated; (2) provide guidance on the need for additional remediation; and (3) evaluate the effectiveness of the remedial actions that are implemented. The data from the biological monitoring program will also be sufficient to determine if the classified uses of McCoy Branch, as identified in the State of Tennessee Water Quality Management Plan for the Clinch River Basin (TDPH 1978), are being adequately protected and maintained." (Murphy and Loar 1988).

The overall strategy for the biological assessment was based on four considerations: (1) Because remediation efforts are phased temporally, the biological monitoring would also be implemented in stages with increased monitoring as the system recovered; (2) the size of the stream restricted the application of assessment techniques to certain areas; (3) the fauna of McCoy Branch appeared depauperate,

therefore some constraints were necessary on the parameters to be measured and the need was recognized for a limited number of reference sites; and (4) because the time frame for reaching hydrologic equilibrium following remediation is unknown, the biological monitoring must consider changes in hydrologic regime and improvement in water quality (Murphy and Loar 1988). Therefore, to address these considerations, the biological monitoring applied to McCoy Branch consisted of an integrated multi-tiered program. The program included four primary tasks: (1) toxicity monitoring, (2) bioaccumulation assessments, (3) fish community assessments, and (4) benthic community assessments.

The initial results of these four tasks are presented in this report. The results focus on the period from 1989 to 1990, but some previous data from 1974 to 1989 are also presented.

2. DESCRIPTION OF THE MCCOY BRANCH WATERSHED

The McCoy Branch watershed is located south of the Y-12 Plant (Fig. 2-1) within the Department of Energy's Oak Ridge Reservation (ORR). The ORR is located in the Valley and Ridge physiographic province, which is characterized by southwest-northeast oriented, parallel ridges of sandstone, shale, and cherty dolomite, separated by valleys of less resistant limestone and shale (Murphy 1988). The watershed drains Fanny's Knob on the southern slope of Chestnut Ridge and supplies water to Melton Hill Reservoir. Land use in the watershed includes grass covered slopes and fields, selected marshy pockets in the floodplain, agricultural buildings, roads, and heavily forested slopes.

The eastern branch of McCoy Branch has been extensively modified for coal ash disposal purposes. (This report will deal only with the eastern branch.) In connection with the coal ash disposal, McCoy Branch (Fig. 2-2) has been segmented into four basic areas (1) the headwater sections of McCoy Branch and a large coal filled ash pond created by a 19-m high earthen dam; (2) a section of free-flowing stream that flows from under the dam into Rogers Quarry and that, after rain, is supplemented by flow over the top of the dam; (3) Rogers Quarry, a deep, steep-sided lake; and (4) a section of free-flowing stream that flows from Rogers Quarry into Melton Hill Reservoir, with an associated embayment area. The western branch of McCoy Branch also enters this embayment.

The headwaters of McCoy Branch consist of two intermittent streams with minimal discharge (Turner et al. 1986). A large pipe that used to transfer coal ash slurry from Y-12 to the ash pond is located between these two streams. In the past, the flow from these three sources combined in the ash pond, which contains the ash slurry from the early years of disposal. The channel in the pond was shallow and meandered over the surface of the ash to the earthen dam. During ash sluicing and high storm runoff flows reached the dam and were transported downstream via the overflow spillway on the eastern side of the dam.

Water in McCoy Branch below the dam derives primarily from several large springs. The spring at the base of the dam is heavily vegetated

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Fig. 2-1. Map of the Oak Ridge area showing locations of the reference sites. Site G is Grassy Creek; site F is Fifth Creek; site W is upper White Oak Creek; site L is Lake Reality; site H is Hinds Creek.

Fig. 2-2. Map of the McCoy Branch showing the primary features and monitoring sites.

and is fed by groundwater discharges. From the dam the stream flows approximately 0.9 km to Rogers Quarry and is typically narrow (about 0.5 to 2.0 m in width) and fast-flowing, consisting of a series of runs and riffles. Just above Rogers Quarry lies a marshy area with a large spring between McCoy Branch (to the east) and the municipal sludge farm to the west. This area represents where McCoy Branch flowed before it was diverted to fill Rogers Quarry (Murphy and Loar 1988).

Rogers Quarry is a 4-hectare lake located about midway in McCoy Branch. It was used as a source of stone in the 1940's and was abandoned when it began to fill with water in the 1950s (Bogle and Turner 1989). After leaving Rogers Quarry the stream flows through Bethel Valley, to the McCoy Branch Embayment on the Melton Hill Reservoir. The stream below the quarry is heavily vegetated and also receives flow from several spring-fed tributaries.

McCoy Branch is geographically separated from the Y-12 Plant by Chestnut Ridge. The distance from the ash slurry pipe on top of the ridge to the discharge into Melton Hill Reservoir is approximately 1.5 km. The elevation at the ash slurry pipe at the top of the ridge is about 335 m; elevation at the point at which McCoy Branch discharges into Melton Hill Reservoir is approximately 244 m. The watershed has a drainage area of about 148 hectares above Rogers Quarry, 63 ha of which lie above the earthen dam located in the headwaters.

2.1 GEOHYDROLOGY

McCoy Branch is underlain by the Knox group, a highly crystalline dolomite interbedded with shale and mudstone beds, a few very thin sandstone beds, aphanitic limestone lenses, numerous calcite and quartz filled fractures and cavities, and chert beds and nodules (Murphy 1988). Ketelle and Huff (1984) found that water movement in the bedrock of the Knox Group on Chestnut Ridge is controlled by the location and orientation of the cavities. Primary orientation of cavity systems are controlled by the local bedding orientation and orientation of penetrative joints and fractures, which are widened by dissolution. The actual groundwater flow paths in the bedrock are expected to resemble trellis drainage patterns, flowing parallel to strike and diverted by shorter cross-strike channels to other strike-controlled zones or

emanated in surface streams. Within both the soil and bedrock aquifers, flow is from the higher topographic areas toward the lower areas, with gradients indicating flow toward the nearest perennial surface water features (Ketelle and Huff 1984; Murphy 1988).

The major source of water for the upstream reach of McCoy Branch is spring flow and precipitation. Craig and Tschantz (1986) estimated the combined base flow of these springs to be in the range of 0.42 to 0.53 million liters per day. For a more comprehensive characterization of the geology and hydrology of the ash pond see Murphy (1988), Jones and Mishu (1986), and Turner et al. (1986)

2.2 WATER QUALITY

Water quality of McCoy Branch has been primarily affected by coal ash discharge. The ash sluice water was enriched with total suspended solids, sulfates, phosphorous, and various metals (Turner et al. 1986). Sluicing of the ash was intermittent, with seasonal variation in the amount of ash discharged from about 0.76 million liters per day in summer to 3.8 million liters per day in winter (Murphy 1988; Bogle and Turner 1989).

2.2.1 Description and History of Discharges to McCoy Branch and Rogers Quarry

Prior to May 1990, the major source of water for McCoy Branch was the coal-ash slurry pumped from the Y-12 Steam Plant. The Steam Plant, built in 1954, has undergone several renovations and upgrades including conversion to a baghouse-type fly ash collection system in 1985 (Turner et al. 1986). The plant consists of four boiler units, using pulverized coal as the sole fuel source from 1954 to 1988. In the winter of 1988, the plant was converted to use natural gas as the primary fuel source, and coal as a secondary source. When burning coal, the steam plant produces two types of ash. Historically, fly ash (dry ash) generated at the Y-12 Steam Plant was removed utilizing a wet collection system, and bottom ash (ash collected from the bottom of the boiler in wet form) was removed by high pressure water jets. The ash was then sluiced (pumped) in series: first the fly ash and then the bottom ash, as a slurry over the crest of Chestnut Ridge. Gravity flow carried the effluent to the

ash pond, a broad earthen retention basin of about 8 hectares, which provided sedimentation for the ash slurry before discharge into McCoy Branch (Turner et al. 1986; M. A. Kane, Y-12 Plant, personal communication). The pond was expected to hold 20 years of Y-12 Steam Plant ash, but was filled to within almost 1 m of the top of dam by July 1967 (Murphy 1988). Subsequently, flow from McCoy Branch was used to channel the slurry to Rogers Quarry. Since 1962, Rogers Quarry has been used for the disposal of ash slurry from the Y-12 Plant. However, between 1965 and 1981 the quarry was also used for the disposal of weapons related and classified items (Table 5 in McCauley 1986; Bogle and Turner 1989). For a complete description of Rogers Quarry see Bogle and Turner (1989). In November 1989, ash slurry discharge to the upper reaches of McCoy Branch was terminated by extending the pipeline directly to Rogers Quarry, which has an estimated life expectancy for ash disposal of 65 to 115 years (Murphy 1988; M. A. Kane, Y-12 Plant, personal communication).

Discharges into McCoy Branch and Rogers Quarry are in violation of the Tennessee Water Quality Act. Several interim actions have taken place, or are anticipated, to assure compliance by July 1, 1993, when all discharges to Rogers Quarry must be terminated (Murphy and Loar 1988). Four measures were initiated in 1986 to reduce the volume of coal ash discharged to Rogers Quarry. (1) The Y-12 Steam Plant switched to a higher grade of washed coal, increasing efficiency and decreasing the total volume of coal utilized in 1986. (2) The Steam Plant was converted to use natural gas as the primary fuel type in the winter of 1988. The targeted yearly ratio of energy derived from gas compared to that from coal is approximately 5 to 1, with a higher percentage of coal being used in winter months. (3) A dry vacuum system was installed to collect dry fly ash in May 1990. Fly ash is now put in a landfill, and all fly ash sluice water discharge to Rogers Quarry has been terminated. (4) Present discharges to Rogers Quarry include only bottom ash sluice water and steam plant washdown water. The Y-12 Steam Plant is scheduled to install a bottom ash dewatering system in 1993, at which time bottom ash will be landfilled and washdown water will be processed through the Steam Plant's wastewater treatment facility.

2.2.2 Characterization of the Contaminant Source

In a study by Pulliam (1985a and 1985b) water upstream from Rogers Quarry had higher levels of most metals than did water samples taken downstream of Rogers Quarry (Appendix A, Table A-1). These data were supported by results in ERDA 1975 (Appendix A, Table A-2). In a study by Turner et al. (1986), coal ash sluice water discharged from the Y-12 Steam Plant was found to contain elevated amounts of aluminum, barium, boron, calcium, iron, magnesium, sodium, arsenic, strontium, potassium, total suspended solids, total phosphorous, sulfide, and sulfate when compared to background water concentrations (Appendix A, Tables A-3, A-4, A-5, and A-6). Turner et al. (1986) also noted that the filled ash pond provided little or no treatment, did not remove suspended solids, and the flow of McCoy Branch was so small that it was incapable of providing appreciable dilution to the ash sluice water. Turner et al. (1986) also compared water quality data from Rogers Quarry to data for the effluents from 14 ash ponds associated with Tennessee Valley Authority (TVA) coal-fired power plants. The comparison revealed that Rogers Quarry effluent was similar to effluent from other ash disposal ponds in the Tennessee Valley. Notable differences included higher concentrations of total phosphorous and arsenic, and lower concentrations of aluminum and iron, than in effluent from the TVA ash ponds. Turner et al. (1986) also reported that nearly all organic compounds were below analytical detection limits in all samples.

As part of the recent RFI for McCoy Branch, more surface water quality data were taken from McCoy Branch during dry weather (July 30, 1990) and during wet weather (after a 4.5-cm rain event) on October 8, 1990 (Appendix A, Tables A-7 to A-13). Under both conditions, lower levels of sulfate, selenium, and arsenic were seen in comparison with historical water quality data measured when the slurry was being discharged to upper McCoy Branch. More substantial decreases were seen in levels of suspended solids and lead, but increased levels of magnesium and potassium were also noted. Values for most volatile and semi-volatile organic compounds in surface water were below detection limits.

Water quality data collected from a National Pollutant Discharge Elimination System (NPDES) site below Rogers Quarry (Outfall 302) show a

decrease in mean weekly levels of sulfate, arsenic, and selenium (Table 2-1 and Figures 2-3, 2-4, and 2-5) after the Y-12 Steam Plant converted from coal to natural gas as the primary fuel source (R. R. Turner, Environmental Sciences Division, ORNL, personal communication). At the time of publication, there are no water quality data available for current ash sluice discharges into Rogers Quarry. Recent data collected by the Offsite Environmental Restoration Program, indicate a peak in arsenic levels below the discharge from Rogers Quarry and exhibit a dilution effect downstream in McCoy Branch embayment (Table 2-2).

2.2.3 Temperature

Temperature data for McCoy Branch before December 1989 are limited. Turner et al. (1986) reported that ash sluicing did not appear to affect temperatures in McCoy Branch, presumably because untreated (except for chlorination) Clinch River water was used for sluicing. Current temperature data show little difference between temperatures in McCoy Branch above Rogers Quarry, upper White Oak Creek, and upper Fifth Creek (Table A-14 and Figure 2-6). Mean weekly temperatures in McCoy Branch below Rogers Quarry are similar to reference streams in winter but up to 10°C higher in summer months. Elevated summer temperatures may be explained by thermal layering in, and epilimnetic discharges from, Rogers Quarry.

2.2.4 Sediments and Groundwater

Ash deposits, which occurred when the creek's flow overtopped its banks, vary greatly along the stream. In a preliminary study, Murphy (1988) found that immediately downstream of the ash pond dam, the deposits cover the entire valley through which McCoy Branch flows. Further downstream, the deposits are limited to no more than couple of meters horizontally from the edge of the creek.

Analysis of sediment for McCoy Branch from 1974 to 1975 (ERDA 1975) showed elevated levels of some metals (Appendix A, Table A-15). In accordance with the RCRA Facilities Investigation, an assessment is being conducted of the impact that coal ash deposits may have had in the area immediately adjacent to McCoy Branch (Murphy 1988). Phase I of

Table 2-1. Mean (standard error) for selected NPDES water quality parameters for Outfall 302 for 1986 to 1990 (data for 1990 through week 26). Data are derived from mean weekly values. Source: R. R. Turner, Environmental Sciences Division, ORNL, personal communication.

	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Arsenic (mg/L)	0.21 (0.007)	0.26 (0.007)	0.19 (0.006)	0.07 (0.006)	0.04 (0.003)
Flow (L/s)	55.2 (8.5)	38.2 (3.7)	33.9 (3.0)	46.6 (5.3)	43.1 (6.1)
Iron (mg/L)	0.48 (0.33)	0.13 (0.01)	0.13 (0.02)	0.14 (0.04)	0.10 (0.02)
pH (pH units)	8.4 (0.09)	8.5 (0.07)	8.1 (0.07)	8.3 (0.07)	8.3 (0.06)
Selenium (mg/L)	0.019 (0.002)	0.025 (0.0008)	0.02 (0.001)	0.006 (0.0006)	0.004 (0.0002)
Sulfate (mg/L)	90.9 (12.5)	75.8 (1.2)	92.0 (6.3)	50.6 (2.5)	32.3 (0.9)
Total Suspended Solids (mg/L)	4.5 (0.36)	4.4 (0.59)	3.6 (0.43)	4.4 (0.78)	3.3 (0.28)

Fig. 2-3. Mean weekly values for sulfate in the water from McCoy Branch at Outfall 302, below Rogers Quarry, from 1986 to 1990. Source: R. R. Turner, Environmental Sciences Division, ORNL, personal communication.

Fig. 2-4. Mean weekly values for arsenic in the water from McCoy Branch at Outfall 302, below Rogers Quarry, from 1986 to 1990. Source: R. R. Turner, Environmental Sciences Division, ORNL, personal communication.

Fig. 2-5. Mean weekly values for selenium in water from McCoy Branch at Outfall 302, Rogers Quarry, from 1986 to 1990. Source: R. R. Turner, Environmental Sciences Division, ORNL, personal communication.

Table 2-2. Arsenic levels in McCoy Branch on March 15, 1990.

Data collected by the Offsite Environmental Restoration
Program, Clinch River Remedial Investigation.

Source: James T. Byrd, Skidway Institute
of Oceanography, Savannah Georgia,
personal communication.

Station	Location	Total As ($\mu\text{g/L}$)
MCK 1.92	Weir above Rogers Quarry	2.9
MCK 1.71	Below Rogers Quarry	29.5
MCK 0.69	Upstream of culvert	5.3
MCK 0.65	Downstream of culvert	1.2
MCK 0.30	McCoy Branch Embayment	0.05

Fig. 2-6. Weekly mean temperature (°C) for McCoy Branch (MCK 1.60 and MCK 1.92), upper White Oak Creek (WCK 6.8), and upper Fifth Creek (FFK 1.0), two reference sites. Data were obtained with a Ryan TempMentor digital temperature recorder with values recorded every hour.

the assessment will be to determine the extent, both horizontal and vertical, of coal ash deposits in the McCoy Branch floodplain from the point of discharge to the dam to the point of discharge of McCoy Branch into Rogers Quarry. Phase II of the assessment will include sampling the ash and the underlying soil to determine the extent to which contaminants from the coal may have migrated into the soil. For a more detailed description of the methodology for the sediment analysis see Murphy (1988). Initial analyses of these ash and sediment samples collected during 1990 from McCoy Branch show elevated levels of Cd, Mn, Ba, Ca, Fe, K, Mg, Na, and Ni (Appendix A, Tables A-16 and A-17) compared to data collected in 1974-1985 (Table A-15). The only analyzed elements occasionally falling below detection limits were niobium and selenium. Levels of oil and grease were <0.1 % for all sediment sites. Levels of radioactivity for each site are given in Appendix A, Table A-18.

Coal ashes typically exhibit leachability of ash constituents. Groundwater may be a receptor of contaminants from the coal ash disposal system and may act as a pathway for contamination migration near the Y-12 Plant (Murphy 1988). Groundwater sampled in October 1987, February 1988, May 1988 (Murphy 1988, Table 7-1) and October 1990 (Appendix A, Tables A-19 and A-20), showed no evidence of contamination above regulatory standards or above expected background.

3. TOXICITY MONITORING

Biological tests can be used reliably to detect water-quality problems that may not be evident with routine chemical analyses. For this reason, and because remedial actions are driven ultimately by the need to protect living organisms and ecological processes from hazardous chemicals, biological tests are gaining acceptance for use in making regulatory decisions about water quality and the need for environmental remediation.

Water from three sites in McCoy Branch was assessed periodically through the use of bioassays to obtain data that could be used to assist in such decisions. Four types of biological tests were used for this purpose: (1) A series of 7-d tests with fish larvae (the fathead minnow; *Pimephales promelas*) and a microcrustacean (*Ceriodaphnia dubia*); (2) a full life-cycle test with *C. dubia*; (3) an *in situ* test with snails (*Elimia* sp.); and (4) a 7-d laboratory test with *Elimia* sp. The methods used for each of these tests, and the sites that were evaluated with particular tests, are described below.

3.1 MATERIALS AND METHODS

3.1.1 Seven-Day Toxicity Tests

Seven-day tests with fathead minnow larvae and *Ceriodaphnia* are Environmental Protection Agency (EPA) approved, static-renewal bioassays; tests with these two organisms are commonly used to estimate acute and chronic toxicity of wastewaters and freshwater receiving systems (Horning et al. 1989). The fathead minnow test provides an estimate of toxicity by comparing survival and growth of larval fish in samples of the water being tested to the survival and growth of larvae in control water known to be of high biological quality. Relative to this control, reductions in fish survival or growth can be attributed to the presence of toxicants. The *Ceriodaphnia* test is fundamentally similar to the fathead minnow test, but uses survival and fecundity, rather than survival and growth, as endpoints. The procedures used to conduct the 7-d minnow and *Ceriodaphnia* tests of water from McCoy Branch are given in Stewart et al. (1990) and Kszos and Stewart (1991).

This report gives the results of 7-d minnow and *Ceriodaphnia* tests for 7 test periods; the first of the 7 periods started on January 5, 1989, and the last ended on August 6, 1990. In each of these test periods except for the first, fathead minnow larvae and *Ceriodaphnia* tests were conducted concurrently. In the first test period, only *Ceriodaphnia* was tested. The 7-d minnow and *Ceriodaphnia* tests were used to evaluate water from the outfall of Rogers Quarry (MCK 1.60), at the Quarry's inlet (MCK 1.92), and from a spring near the base of the ash pond dam.

3.1.2 Full Life-Cycle Tests

The second type of bioassay consisted of *Ceriodaphnia* full life-cycle tests (LCTs). LCTs are considered to be more sensitive than 7-d tests because they substantially extend the exposure period, thereby providing more time for the organisms to accumulate (and respond to) materials that may be present in solution. Relative to 7-d tests, *Ceriodaphnia* LCTs are not used frequently in water-quality assessments. LCTs are substantially more intensive (and thus, expensive) than the 7-d tests: they require 35 to 40 d for completion and need more replicates (e.g., 50 versus 10) for satisfactory statistical analyses.

The procedures used in the *Ceriodaphnia* LCTs were identical to those in the 7-d *Ceriodaphnia* tests, including feeding and daily renewal of test solution. However, the LCTs differed from the 7-d tests in three ways. First, although water samples were collected fresh daily for use in the 7-d tests, those for the LCTs were collected on Tuesdays and Fridays. Between sampling events, the water samples used for the LCTs were stored in a refrigerator at 7°C; portions of the samples were warmed to $25 \pm 1^\circ\text{C}$ before use. Second, LCTs evaluated only full-strength water. The 7-d tests, in contrast, employed various concentrations of McCoy Branch water (typically 100%, 80%, 60% and 40% of full-strength; see Table 3-1). Third, the LCTs used 50 replicate beakers (one neonate per beaker) per water type, but the 7-d tests used only 10 replicates per concentration.

A LCT to evaluate water from McCoy Branch at MCK 1.92 was started on July 28, 1990. Simultaneously, a LCT was initiated to evaluate water

Table 3-1. Results of 7-d toxicity tests (fathead minnow larvae and *Ceriodaphnia dubia*) of water from McCoy Branch at MCK 1.92 (inlet to Rogers Quarry). Values are means $\pm$ SD for 4 replicates (minnow test) or 10 replicates (*Ceriodaphnia*) in each test period. Survival is in percent; units for growth are mg dry weight per minnow; units for fecundity are neonates per female.

Date	Conc.	Minnow survival	Minnow growth	<i>Ceriodaphnia</i> survival	<i>Ceriodaphnia</i> fecundity
5 Jan 1989	Control	---	---	100	20.2 $\pm$ 2.6
	100	---	---	100	13.2 $\pm$ 6.2
	80	---	---	90	20.0 $\pm$ 3.6
	60	---	---	70	18.3 $\pm$ 4.0
	40	---	---	100	17.0 $\pm$ 3.6
	20	---	---	100	20.5 $\pm$ 5.6
6 Apr 1989	Control	72.5 $\pm$ 18.9	0.30 $\pm$ 0.03	100	21.5 $\pm$ 1.8
	100	47.5 $\pm$ 5.0	0.48 $\pm$ 0.05	100	19.2 $\pm$ 3.2
	80	52.5 $\pm$ 9.6	0.39 $\pm$ 0.05	90	22.2 $\pm$ 2.7
	60	65.0 $\pm$ 12.9	0.32 $\pm$ 0.05	100	23.9 $\pm$ 2.4
	40	32.5 $\pm$ 17.1	0.53 $\pm$ 0.24	100	23.3 $\pm$ 2.6
7 Jul 1989	Control	100.0 $\pm$ 0.0	0.51 $\pm$ 0.05	90	24.2 $\pm$ 2.8
	100	87.5 $\pm$ 15.0	0.53 $\pm$ 0.11	60	26.2 $\pm$ 3.7
	80	87.5 $\pm$ 5.0	0.51 $\pm$ 0.04	80	26.0 $\pm$ 4.0
	60	85.0 $\pm$ 30.0	0.45 $\pm$ 0.07	100	28.0 $\pm$ 2.9
	40	97.5 $\pm$ 5.0	0.45 $\pm$ 0.03	100	27.4 $\pm$ 1.9
13 Oct 89	Control	97.5 $\pm$ 5.0	0.48 $\pm$ 0.09	90	24.7 $\pm$ 2.2
	100	97.5 $\pm$ 5.0	0.47 $\pm$ 0.06	90	23.0 $\pm$ 1.8
	80	97.5 $\pm$ 5.0	0.59 $\pm$ 0.07	90	22.1 $\pm$ 2.7
	60	92.5 $\pm$ 15.0	0.50 $\pm$ 0.08	80	24.4 $\pm$ 3.0
	40	77.5 $\pm$ 26.3	0.53 $\pm$ 0.06	90	24.1 $\pm$ 3.4

Table 3.1 (continued)

4 Jan 1990	Control	92.5 ± 9.6	0.49 ± 0.02	100	22.5 ± 3.7
	100	47.5 ± 25.0	0.56 ± 0.08	90	26.3 ± 2.7
	80	65.0 ± 25.2	0.56 ± 0.03	80	23.5 ± 5.0
	60	60.0 ± 28.3	0.59 ± 0.10	100	28.0 ± 5.2
	40	42.5 ± 28.7	0.59 ± 0.15	90	25.4 ± 3.3
5 Apr 1990	Control	90.0 ± 10.7	0.55 ± 0.09	100	19.7 ± 2.3
	100	40.0 ± 32.7	0.47 ± 0.10	100	22.4 ± 5.7
	80	30.0 ± 14.1	0.44 ± 0.11	100	22.4 ± 2.8
	60	27.5 ± 17.1	0.52 ± 0.13	90	19.9 ± 3.8
	40	---	---	---	---
30 Jul 1990	Control	100.0 ± 0.0	0.53 ± 0.09	90	24.0 ± 3.4
	100	100.0 ± 0.0	0.66 ± 0.09	90	11.1 ± 8.1
	80	---	---	100	11.5 ± 9.7
	60	---	---	100	21.0 ± 9.0
	40	---	---	70	15.6 ± 8.6

quality from East Fork Poplar Creek at the outfall of Lake Reality (LR-o). Water from LR-o was considered to provide a contaminated reference suitable for establishing a contrast with McCoy Branch. A set of 50 beakers containing diluted mineral water was included as a negative control for these two LCTs. The LCTs continued until September 5 (a 40-d period), when the last animal died.

Survival and reproduction data from the LCTs were analyzed using analysis of variance (ANOVA; PROC GLM, SAS 1985a,b). Three sites (= water types; McCoy Branch at Rogers Quarry inlet (MCK 1.92), East Fork Poplar Creek at LR-o, and controls) were included in the analysis. Seven dependent variables were inspected to determine how well their variance patterns could be attributed to site. The variables were: *Ceriodaphnia* life span (in days); the total number of offspring produced by each animal, for all animals that produced any offspring; the number of broods produced per female; the mean number of offspring per brood (i.e., brood size); the number of offspring in the largest brood of each female; the brood-to-brood variability (expressed as the coefficient of variation; CV%) in numbers of offspring produced per female; and mean daily fecundity (the total number of offspring produced by a female divided by that female's reproductive life span). *Ceriodaphnia dubia* neonates are not reproductively active for the first three days of their life. Thus, a female's reproductive life span was computed by subtracting 3 days from her total life span.

3.1.3 In situ Snail Tests

Previous studies have shown that pleurocerid snails (e.g., *Elimia clavaeformis*) tend naturally to move upstream, and that this behavior can be significantly affected by the presence of contaminants (Burris et al. 1990). Based on these findings, 150 snails (*E. clavaeformis*) were collected from upper White Oak Creek (WCK 6.3) on July 23, 1990. Each animal was marked by placing a dot of fingernail polish on the shell. The animals were all of similar size and were acclimated, stepwise, over a 7-d period, from field temperature (about 17°C) to testing temperature (25°C) before use. The snails were fed commercial lettuce leaves during the acclimation period. On July 30, 1990, 50 of the marked snails were

released at each of three sites: McCoy Branch 10 m above Rogers Quarry (MCK 1.92), McCoy Branch at MCK 1.60 (below Rogers Quarry), and White Oak Creek at WCK 6.3. Forty-eight h after the snails had been released, each site was surveyed for the snails. The searches were initiated 10 m downstream of the release point and continued upstream beyond the release point for 20 m. The position of each marked snail, relative to the release point, was measured to the nearest cm. A median test for multiple samples was used to determine if the median distance moved upstream by the snails differed among the three sites (Steel and Torrie 1980).

3.1.4 Seven-Day Snail Test

A 7-d static-renewal test with snails was used to determine if feeding rate of snails was affected by water from two sites in McCoy Branch (MCK 1.92 and MCK 1.60). Snails were collected from WCK 6.3 on July 23, 1990 and acclimated as described in Section 3.1.3.

Test chambers consisted of 600-mL beakers. Each beaker contained 12 snails and 250 mL of water; 4 replicate beakers were used for each treatment. Treatments consisted of full-strength water from each of three sites: McCoy Branch at MCK 1.92, McCoy Branch at MCK 1.60, and for reference purposes, White Oak Creek at WCK 6.3. The contents of the beakers were maintained at $25 \pm 1^\circ\text{C}$ throughout the test by use of a water bath. Two pre-weighed lettuce leaf discs (each 3.0 cm^2) were added to each beaker at the start of the test. After 24 h and daily thereafter, the remains of the discs were removed, new discs were added and the water was changed. The remnants of the discs taken from each beaker were blotted dry with paper towels and weighed to the nearest 0.1 mg. The difference between initial weight and final weight of the discs in each beaker was used as an estimate of the wet mass of lettuce leaf eaten daily by the snails in that replicate.

Differences among feeding rates among treatments were analyzed using SAS-GLM with a repeated-measures subroutine (SAS 1985a,b).

3.1.5 Chemical Analyses of Water Quality

Almost all water samples collected for use in any of the tests described above were analyzed chemically for pH, conductivity,

alkalinity (EPA method 130.1), and hardness (EPA method 130.2). The methods used for each of these analyses are described by Kszos et al. (1989).

During one 7-d test period (April 5-11, 1990), water from two McCoy Branch sites (MCK 1.92 and the large spring at the base of the earthen dam) was analyzed for orthophosphate and sulfate (EPA methods 365.1 and 375.2, respectively). During another 7-d period (July 7-13, 1989), samples collected daily from McCoy Branch at MCK 1.92 were analyzed for nitrate, orthophosphate, and sulfate.

3.2 RESULTS

3.2.1 Seven-Day Toxicity Tests

The results of the *Ceriodaphnia* and fathead minnow toxicity tests of water from McCoy Branch at MCK 1.92 are summarized in Table 3-1; the results of tests with these two species applied to water from McCoy Branch at MCK 1.60 and at the spring near the base of the dam at the ash pond are summarized in Table 3-2.

Overall, the 7-d tests provided little consistent evidence for toxicity to either species. On three occasions, specific problems with test conditions were suggested. First, in the test started on January 5, 1989, fecundity of *Ceriodaphnia* reared in water from McCoy Branch was unusually low and variable (13.2 ± 6.2 ; mean $\pm$ SD) relative to controls (20.2 ± 2.6). The high variability in fecundity for the animals in McCoy Branch water in this test (CV=47%) is difficult to interpret biologically. Second, the minnow test conducted during April 6-13, 1989 appeared flawed. Survival and growth rates of fish in the controls and in McCoy Branch water were both unusually low, suggesting inadequate food. Survival and reproduction of *Ceriodaphnia* in this test were high both for controls and for water from McCoy Branch. Third, survival (but not growth) of the fish was low in McCoy Branch water in the tests that started on January 4, 1990 and April 5, 1990 (Table 3-1). During these two test periods no evidence of toxicity was detected using *Ceriodaphnia*. Additionally, there was no conspicuous relationship

Table 3-2. Results of 7-d toxicity tests (fathead minnow larvae and *Ceriodaphnia*) of water from McCoy Branch at the spring near the base of the ash pond dam (spring) and from McCoy Branch below Rogers Quarry (MCK 1.60). Values are mean $\pm$ SD.

Date refers to when each 7-d test was started. *Ceriodaphnia* fecundity is computed using females that survived all 7 d, and their young; minnow growth is computed as increase in weight (dry weight mg/fish).

Site	Date	Conc. (%)	Minnow surv.	Minnow growth	<i>Ceriodaphnia</i> surv.	<i>Ceriodaphnia</i> fecundity
Spring	5 Apr 1990	Control	90.0	0.55 $\pm$ 0.09	100	19.7 $\pm$ 2.3
		100	77.5	0.57 $\pm$ 0.09	80	25.6 $\pm$ 2.7
		80	82.5	0.59 $\pm$ 0.03	90	25.9 $\pm$ 2.5
MCK 1.60	30 Jul 1990	Control	100.0	0.53 $\pm$ 0.09	90	24.0 $\pm$ 3.4
		100	100.0	0.64 $\pm$ 0.04	90	18.3 $\pm$ 10.8
		80	97.5	0.69 $\pm$ 0.11	---	---

between fish survival and concentration of McCoy Branch water in either of these tests (Table 3-1). These considerations suggest that the 'toxicity' in McCoy Branch during each of these three test periods was probably artifactual.

3.2.2 Full-Life Cycle Tests

Mean values for each of the 7 dependent variables for *Ceriodaphnia* in each of the three water types are given in Table 3-3. The mean number of broods by *Ceriodaphnia* tested in McCoy Branch water was lower than that of *Ceriodaphnia* in the control (10.1 versus 12.4 offspring per female; Table 3-3). The mean daily fecundity of *Ceriodaphnia* in McCoy Branch water was also substantially lower than that of controls (5.3 versus 6.1 offspring per female per day; Table 3-3). The overall difference in total fecundity of *Ceriodaphnia* in controls versus McCoy Branch water, though, was not very great (122 vs 109.3 offspring per female; Table 3-3) because *Ceriodaphnia* in McCoy Branch water tended to have slightly larger broods than *Ceriodaphnia* in the control (10.7 versus 9.8 offspring per brood; Table 3-3).

Separate sets of one-way ANOVAs were conducted to contrast reproductive patterns of *Ceriodaphnia* tested in MCK 1.92 to control water (Table 3-4) and water from the outfall of Lake Reality (Table 3-5). These analyses showed that the contrast in reproductive pattern of *Ceriodaphnia* tested in water from MCK 1.92 versus the outfall of Lake Reality (Table 3-4) was similar, in two important respects, to the contrast between water from MCK 1.92 versus control water (Table 3-5). First, the number of broods and the mean number of offspring per brood tended to be among the more dynamic parameters in both comparisons, based on the magnitude of change in p (about 123-fold for the number of broods, and 8.6-fold for the number of offspring per brood; Tables 3-4 and 3-5). The number of broods and the mean number of offspring per brood were inversely related, as well, whereas lifespan was more constant (cf. Table 3-3). These points suggest that these daphnids are flexible reproductively, in that they "trade off" brood size and number per brood. This in turn suggests that reproduction is a major energetic expense to these animals, which supports the idea that *Ceriodaphnia* reproduction (over a fixed number of broods) should be a

Table 3-3. Means of *Ceriodaphnia* survival and reproduction parameters for life-cycle tests with control water, water from McCoy Branch at the inlet to Roger's Quarry (MCK 1.92), and water from East Fork Poplar Creek at the outfall of Lake Reality (LR-o).

Parameter	Site		
	Control	LR-o	MCK 1.92
Life span (days)	23.1	25.6	24.3
Number of broods	12.4	9.7	10.1
No. of offspring/brood	9.8	12.0	10.7
Total no. of offspring	122.0	114.7	109.3
Largest brood	17.8	19.7	18.5
Variability in fecundity	51.7	51.8	56.2
Daily fecundity	6.1	5.5	5.3

Table 3-4. Analysis of variance results for *Ceriodaphnia* life-cycle tests of control water and water from McCoy Branch at MCK 1.92.

The probability (p) that the difference between means of parameters for controls versus McCoy Branch was due to chance alone is given for each parameter; the p values were obtained by one-way analysis of variance tests. R^2 is the proportion of the total variation that can be explained by the difference in water type.

Dependent Variable	Model DF	Error DF	R^2	F	P
Life span	1	98	0.0055	0.54	0.4634
Number of broods	1	96	0.0809	8.45	0.0045
No. of offspring/brood	1	96	0.0257	2.54	0.1146
Total no. offspring	1	96	0.0173	1.69	0.1967
Largest brood	1	96	0.0101	0.98	0.3240
Variability in fecundity	1	95	0.0199	1.93	0.1685
Daily fecundity	1	97	0.0394	3.98	0.0489

Table 3-5. Analysis of variance results for *Ceriodaphnia* life-cycle tests of water from Lake Reality outfall and McCoy Branch at MCK 1.92. The probability (p) that the difference between means of parameters for Lake Reality outfall water versus McCoy Branch water was due to chance alone is given for each parameter; the p values were obtained by one-way analysis of variance tests. R^2 is the proportion of the total variation that can be explained by the difference in water type.

Dependent Variable	Model DF	Error DF	R^2	F	P
Life span	1	98	0.0070	0.69	0.4068
Number of broods	1	97	0.0036	0.35	0.5553
No. of offspring/brood	1	97	0.0615	6.35	0.0133
Total no. offspring	1	97	0.0054	0.52	0.4715
Largest brood	1	97	0.0351	3.53	0.0634
Variability in fecundity	1	96	0.0203	1.99	0.1620
Daily fecundity	1	97	0.0023	0.22	0.6366

sensitive endpoint for toxicity assessments. It also suggests the hypothesis that reproduction may control longevity of these animals in predator-free situations. The second, and perhaps more important, finding from the two sets of ANOVAs was that the different water types did not affect any of the reproductive parameters very strongly: the proportion of variance in any parameter that could be explained by differences in water type never exceeded 8.1% (Tables 3-4 and 3-5). This consideration, in conjunction with the tendency for the animals to "trade off" brood size and number per brood, indicate that water from MCK 1.92 was not toxic. It also strongly suggests that food-related aspects of testing ambient waters with *Ceriodaphnia* may need to be addressed more carefully, both in effluent and ambient testing situations.

3.2.3 In Situ Snail Test

Snail movement patterns differed significantly among the three sites ($G = 22.95$, $p < 0.001$). Fewer than 25% of the snails released at MCK 1.60 moved upstream, whereas >75% moved upstream at MCK 1.92 and WCK 6.3 (Fig. 3-1). In 48 h, the maximum downstream movement of the snails at MCK 1.60, MCK 1.92, and WCK 6.3 was 2.80, 0.60, and 1.88 m, respectively. Median distances that snails moved upstream did not appear to differ between MCK 1.92 and WCK 6.3 ($G = 4.045$, $0.05 > p > 0.020$), but did differ between MCK 1.60 and MCK 1.92 ($G = 22.132$, $p < 0.001$) and between WCK 6.3 and MCK 1.60 ($G = 13.718$, $p < 0.001$). Because of multiple testing, a conservative Type I error rate (0.020) was used. More than 50% of the marked snails were recovered at each of the McCoy Branch sites; 27% of the snails that had been marked and released were recovered from WCK 6.3.

3.2.4 Seven-Day Snail Test

The feeding rates of the snails in water from WCK 6.3 and McCoy Branch at MCK 1.92 were quite similar (56.3 ± 5.3 and 54.3 ± 6.4 mg wet mass consumed per day, respectively; means $\pm$ SE); snails in water from MCK 1.60, in contrast, had feeding rates that were about 25% lower than those tested in water from the other two sites (i.e., 40.9 ± 5.3 mg wet

Fig. 3.1. Plot showing the number of snails recovered (cumulative percent) versus distance from the point of release for two sites in McCoy Branch (MCK) and a noncontaminated site in White Oak Creek (WCK).

mass per day). The feeding rates did not, however, differ statistically based on ANOVA ($p = 0.215$). Feeding rates differed among dates (ANOVA, $p = 0.0001$), and the rates increased uniformly towards the end of the experiment. The feeding rates showed no significant site X date interaction (ANOVA, $p = 0.3222$).

3.2.5 Chemical Analyses of Water Quality

Daily analyses of pH, conductivity, alkalinity and hardness were conducted for six of the 7-d toxicity testing periods (Table 3-6). Concentrations of nitrate, phosphate and sulfate were measured in water from McCoy Branch at MCK 1.92 during two of the 7-d test periods (Table 3-7). During April 5-11, 1990, the phosphate levels at the upstream spring site were higher than those at MCK 1.92, whereas the sulfate values were lower (Table 3-7).

Water samples from McCoy Branch at MCK 1.60 were analyzed for pH, conductivity, alkalinity and hardness during July 30 - August 5, 1990. During April 5-11, 1990, samples from the spring at the base of the ash pond were analyzed for these parameters, as well. The results of these two sets of analyses are summarized in Table 3-8.

3.3 DISCUSSION

The results of the biological tests of water from McCoy Branch reported here did not show much evidence for toxic conditions in this stream. In 7-d laboratory tests, survival and growth of fathead minnow larvae and survival and fecundity of *Ceriodaphnia* was generally high, although a few exceptions to this trend were evident. Similarly, full life-cycle tests with *Ceriodaphnia*, which should be considerably more sensitive than 7-d tests, also failed to show much effect of McCoy Branch water. In the life-cycle tests, *Ceriodaphnia* had significantly fewer broods and a slightly lower mean daily fecundity in McCoy Branch water than they did in the controls, but the number of neonates per brood tended to be greater than that in controls. Thus, the net effect of McCoy Branch water on *Ceriodaphnia* fecundity was small. Longevity of *Ceriodaphnia* in McCoy Branch water was also very similar to that for the controls (24.3 days for animals in McCoy Branch water versus 23.1 days for controls; Table 3-3).

Table 3-6. Means ($\pm$ SD) of pH (standard units), conductivity (μ S/cm), alkalinity (mg/L as CaCO_3) and hardness (mg/L as CaCO_3) for daily grab samples (7-d periods) of water from McCoy Branch at MCK 1.92. The starting days of the analysis period are given in Table 3-1.

Analysis period						
Factor	Apr 1989	Jul 1989	Oct 1989	Jan 1990	Apr 1990	Jul 1990
pH	7.8 $\pm$ 0.1	7.9 $\pm$ 0.1	8.0 $\pm$ 0.1	8.0 $\pm$ 0.2	8.0 $\pm$ 0.1	8.1 $\pm$ 0.1
Cond.	232 $\pm$ 18	272 $\pm$ 51	342 $\pm$ 24	238 $\pm$ 11	283 $\pm$ 10	336 $\pm$ 18
Alk.	99 $\pm$ 9	118 $\pm$ 14	147 $\pm$ 11	102 $\pm$ 4	133 $\pm$ 4	165 $\pm$ 4
Hard.	138 $\pm$ 14	147 $\pm$ 22	184 $\pm$ 7	127 $\pm$ 15	151 $\pm$ 5	190 $\pm$ 4

Table 3-7. Means ($\pm$ SD) of nitrate, phosphate, and sulfate concentrations in daily grab samples (7-d period) of water from McCoy Branch at MCK 1.92 and at the spring near the base of the ash pond dam. NA = not analyzed.

	Test Dates	Nitrate (mg/L)	Phosphate (μ g/L)	Sulfate (mg/L)
MCK 1.92	July 7-13, 1989	0.364 ± 0.055	6.1 ± 1.6	27.9 ± 10.2
MCK 1.92	April 5-11, 1990	NA	8.3 ± 1.6	40.9 ± 9.2
Spring	April 5-11, 1990	NA	13.6 ± 3.0	19.7 ± 2.9

Table 3-8. Means ($\pm$ SD) of pH, conductivity, alkalinity, and hardness for daily grab samples (7-d periods) of water from McCoy Branch at MCK 1.60 (during July 30 - August 5, 1990) and the spring at the base of the ash pond dam (during April 5-11, 1990).

Factor	MCK 1.60	Spring
pH (standard units)	8.5 $\pm$ 0.1	7.5 $\pm$ 0.2
Conductivity (μ S/cm)	233 $\pm$ 4	351 $\pm$ 54
Alkalinity (mg/L)	83 $\pm$ 2	151 $\pm$ 20
Hardness (mg/L)	125 $\pm$ 6	174 $\pm$ 11

In the *in situ* tests, snails apparently experienced more stress in McCoy Branch at MCK 1.60 than they did at either MCK 1.92 or at WCK 6.3: At MCK 1.60, the net movement of snails was downstream, whereas the net movement of the snails at the other two sites was upstream. Studies of snails in noncontaminated streams have indicated that an upstream movement of snails is typical (cf. Crutchfield 1966; Houp 1970; Burris et al. 1990). Conversely, when healthy snails were placed in contaminated streams, the net movement was downstream (Burris et al. 1990). Snails may actively move downstream as an escape behavior or may be passively transported downstream by flow.

In 7-d laboratory tests, snails consumed less food when tested in water from McCoy Branch at MCK 1.60 than they did in water from either MCK 1.92 or WCK 6.3, but this difference was not statistically significant.

During the summer, the water in McCoy Branch at MCK 1.60 is warmer than that at MCK 1.92 or WCK 6.3 (see Table A-8), primarily because MCK 1.60 receives epilimnetic flow from the quarry. Because *Elimia* are not very heat tolerant (Ross and Ultsch 1980), warmer temperature could account for the differences in snail behavior between MCK 1.60 and MCK 1.92 and WCK 6.3. However, heat stress is unlikely to account for differences seen in the laboratory, where temperature was controlled.

The mean ratio of alkalinity to hardness (A:H) for MCK 1.92 was 0.811, and the mean conductivity was 284 $\mu\text{S}/\text{cm}$ (Table 3-6). The A:H and conductivity values for MCK 1.92 are within the 95% confidence bounds for those reported for reference sites in upper White Oak Creek, First Creek and Fifth Creek (Stewart 1990). Similarly, the A:H for samples from MCK 1.60 was 0.664, whereas A:H for the spring at the base of the ash pond dam was 0.868 (Table 3-8). Thus, as for other streams, the overall trend was for a decline in A:H with distance downstream, but the rate and total extent of decline was not very great. Phosphate, which tends to be biologically quite reactive, was also present at relatively low concentrations in water from the spring at the base of the ash pond dam and from MCK 1.92 (Table 3-7). This element is often elevated by a factor of 10 to 100 in streams that receive industrial effluents. Thus, the results of the chemical analyses suggest that the stream is not

highly perturbed. This conclusion is in good general agreement with the results of toxicity tests.

3.4. FUTURE STUDIES

Quarterly tests with *Ceriodaphnia* and fathead minnow larvae will be conducted at MCK 1.60 and MCK 1.92 to monitor possible changes in water quality that occur in McCoy Branch. Snail release studies will also be continued, with the objective being to determine if these grazers can persist and grow if transferred into McCoy Branch sites upstream from Rogers Quarry.

4. BIOACCUMULATION STUDIES

4.1 INTRODUCTION

McCoy Branch received discharges of coal ash effluents from Y-12 (Sect. 2.2.1). Metals and hydrophobic organic chemicals in these discharges (Sect. 2.2) may accumulate in the biota of McCoy Branch, Rogers Quarry, or downstream in Melton Hill Reservoir to levels that may diminish the value of these resources. The primary objectives of contaminant monitoring in McCoy Branch biota were to (1) identify any substances that accumulate to levels exceeding those observed in biota from nearby, uncontaminated reference streams, and (2) evaluate the extent and significance of contamination by those substances in McCoy Branch and downstream aquatic systems. Secondary objectives were to assist in locating sources of contaminants that accumulate to unacceptable levels, and to evaluate the relative importance of present vs. past discharges in determining contaminant levels of biota.

Initial surveys of McCoy Branch indicated that only a limited area of the stream contained enough fish to sample for bioaccumulation potential in aquatic biota, and this area was open to immigration from Melton Hill Reservoir. Because Rogers Quarry contained suitable fish populations that are virtually isolated from immigration from Melton Hill Reservoir, the collections were made from this site to evaluate bioaccumulation concerns associated with the coal ash discharge. McCoy Branch embayment of Melton Hill Reservoir was sampled to provide a basis for evaluating whether fish from the quarry contained elevated concentrations of certain contaminants, and also to ensure that no public health concerns were associated with the ultimate discharge of McCoy Branch water to that portion of the reservoir.

4.2 METHODS

Largemouth bass (*Micropterus salmoides*) were collected from Rogers Quarry and the adjacent McCoy Branch embayment of Melton Hill Reservoir in July 1990 by angling and electrofishing. The fish were placed on ice and returned to the laboratory, where they were weighed and measured. The bass were filleted and skinned, and samples of the anterior dorsal portion of the fillet was removed for analysis for mercury, arsenic, selenium, other trace metals, chlorinated organic pesticides, and PCBs

at the ORNL Analytical Chemistry Division. Mercury was analyzed by cold vapor atomic absorption spectrophotometry after digestion in a mixture of perchloric and nitric acids (EPA Methods 3050 and 245.5 for preparation and analysis, respectively, EPA 1986). Following digestion in nitric acid, arsenic, beryllium, and uranium were analyzed by inductively coupled plasma mass spectrometry, and antimony, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, and zinc were analyzed by inductively coupled plasma optical emission spectrometry (EPA Methods 3050 and 6010, EPA 1986). A 10 g sample of the fish fillet was extracted by ultrasonic disruption in methylene chloride, cleaned up by column chromatography, and analyzed for PCBs and chlorinated pesticides by gas chromatography with electron capture detection (EPA method 8080, EPA 1986).

Quality assurance (QA) was maintained using a combination of (1) blind duplicate analyses; (2) split sample analyses between the EPA Environmental Services Laboratory, Athens, Georgia, and the ACD Laboratory at ORNL; and (3) the analyses of biological reference standards and uncontaminated fish. Recoveries of PCBs, selected metals, and organics were verified by spiking uncontaminated fish with known amounts and analyzing them. Details and results of such QA analyses are summarized in Southworth and Peterson (1991a,b).

Statistical evaluation of the data was conducted using linear regression, analysis of variance (ANOVA), Levenes test for homogeneity of variances, and analysis of covariance (SAS 1985a,b). All comparisons used $\alpha = 0.05$.

4.3 RESULTS AND DISCUSSION

Concentrations of elements in individual largemouth bass from Rogers Quarry and McCoy Branch embayment are listed in Table 4-1. Mean concentrations of most metals (antimony, beryllium, cadmium, chromium, copper, lead, mercury, nickel, silver, uranium, and zinc) in bass from Rogers Quarry and McCoy Branch embayment were similar to concentrations in reference stream sunfish (Table 4-2). The concentrations in McCoy Branch bass were also similar to those found in various species from other sites both locally and nationwide (TVA 1985; Dycus and Hickman 1986; Dycus 1989; Lowe et al. 1985). The mean

Table 4-1. Concentrations of metals^a (µg/g, wet wt) in individual fish collected in Rogers Quarry, McCoy Branch embayment, and a reference stream, Hinds Creek, July 1990

SITE ^b	SPP ^c	TAG	SEX	AGE	WGT (g)	LGTH (cm)	AS	BE	SE	TL	U	ZN	HG
ROGQUA	LMBASS	5878	M	2	467	34.4	0.30	<0.003	3.2	0.03	0.005	4.8	0.024
ROGQUA	LMBASS	5879	F	1	299	29.1	0.26	<0.003	2.9	0.02	<0.003	5.2	0.011
ROGQUA	LMBASS	5494	M	1	217	26.2	0.24	<0.003	3.3	0.03	<0.003	5.4	0.010
ROGQUA	LMBASS	5495	F	4	515	32.2	0.24	<0.003	2.4	<0.02	<0.003	5.0	0.027
ROGQUA	LMBASS	5496	F	1	180	24.2	0.27	<0.003	3.3	0.03	<0.003	6.1	0.010
ROGQUA	LMBASS	5497	M	1	193	25.0	0.24	0.004	3.1	0.03	<0.003	6.0	0.009
ROGQUA	LMBASS	5498	M	1	315	29.2	0.37	<0.003	3.0	0.03	<0.003	5.7	0.010
ROGQUA	LMBASS	5499	F	1	194	25.3	0.36	<0.003	2.7	0.03	<0.003	6.7	0.008
ROGQUA	LMBASS	8785 ^d	.	.	.	.	0.34	<0.003	3.6	0.03	<0.003	4.8	0.028
MCYBRU	LMBASS	5477	M	3	808	41.0	0.09	<0.003	3.0	<0.02	<0.003	5.0	0.069
MCYBRD	LMBASS	5478	F	2	292	31.4	0.11	<0.003	1.0	<0.02	<0.003	7.7	0.079
MCYBRD	LMBASS	5479	M	1	135	22.4	0.23	<0.003	0.54	<0.02	<0.003	6.1	0.027
MCYBRD	LMBASS	5480	F	3	582	36.4	0.09	<0.003	0.65	<0.02	<0.003	6.5	0.118
MCYBRD	LMBASS	5481	F	3	452	32.6	0.13	<0.003	0.54	<0.02	<0.003	6.8	0.058
MCYBRD	LMBASS	5482	M	2	328	30.5	0.14	<0.003	0.64	<0.02	<0.003	4.8	0.083
MCYBRD	LMBASS	5484	M	3	547	36.4	0.19	<0.003	0.77	<0.02	<0.003	5.8	0.109
MCYBRD	LMBASS	5485	F	2	303	30.3	0.15	0.007	0.83	<0.02	<0.003	6.9	0.038
MCYBRD	LMBASS	0845 ^e	.	.	.	.	0.09	0.003	0.72	<0.02	<0.003	6.1	0.134
HINDSCR	BLUGIL	5464	F		81.2	16.8	<0.05	0.004	<0.43	<0.02	<0.003	6.3	0.054
HINDSCR	REDBRE	5469	M		82.5	16.6	<0.05	0.005	<0.46	<0.02	<0.003	4.8	0.075

^aThe following metals were below the respective limits of detection: AG, <0.18; CD, <0.18; CR, <0.44; CU, <0.44; NI, <0.44; PB, <0.44; SB, <0.44

^bROGQUA - Rogers Quarry; MCYBRU - McCoy Branch embayment upstream from culvert at Bull Bluff Road; MCYBRD - McCoy Branch embayment downstream from culvert at Bull Bluff Road; HINDSCR - Hinds Creek, Anderson Co., TN

^cLMBASS - largemouth bass (Micropterus salmoides) BLUGIL - bluegill sunfish (Lepomis macrochirus) REDBRE - redbreast sunfish (Lepomis auritus)

^dDuplicate for 5878

^eDuplicate for 5480

Table 4-2. Metal concentrations ($\mu\text{g/g}$, wet wt) in largemouth bass (*Micropterus salmoides*) from Rogers Quarry and McCoy Branch embayment and sunfish (*Lepomis auritus* and *L. macrochirus*) from Hinds Creek, a reference stream. Tabular values for these sites are mean and SE (in parentheses). Additional data are reference concentrations from other studies (TVA, USFWS) and risk based criteria (PGV, EPA)

Metal	Rogers Quarry ^a	McCoy Branch Embayment ^a	Hinds Creek ^b	TVA ^c	USFWS ^d	PGV ^e	EPA ^f
Antimony	<0.44	<0.44	<0.44	<2	---	5.2	43.1
Arsenic	0.29 (0.02)	0.14 (0.02)	<0.05	0.16	0.16	0.0007	0.0062
Beryllium	<0.003	<0.003	0.005 (0.005)	<0.02	---	0.004	0.0025
Cadmium	<0.18	<0.18	<0.18	0.02	0.04	1.0	10.8
Chromium	<0.44	<0.44	<0.44	0.82	---	1.8	10800
Copper	<0.44	<0.44	<0.44	1.2	0.86	36	---
Lead	<0.44	<0.44	<0.44	0.06	0.19	1.8	---
Mercury	0.014 (0.002)	0.073 (0.011)	0.065 (0.011)	0.30	0.11	0.42	1.0
Nickel	<0.44	<0.44	<0.44	<1.0	---	5.2	215
Selenium	3.00 (0.11)	1.00 (0.29)	<0.45	0.28	0.46	12	5.4
Silver	<0.18	<0.18	<0.18	<0.2	---	0.29	2.48
Thallium	0.03 (0.00)	<0.02	<0.02	<1	---	0.66	5.71
Uranium	<0.003	<0.003	<0.003	---	---	1.6	---
Zinc	5.6 (0.22)	6.2 (0.35)	5.6 (0.80)	9.2	25.6	180	---

^aN = 8.

^bN = 2.

^cComposite largemouth bass, N=10 (Dycus 1989; Dycus and Hickman 1986)

^dLowe et al. 1985.

^ePreliminary Guidance Values (Hoffman et al. 1984; Travis et al. 1986).

^fEPA 1990.

concentrations of elements were all below concentrations used by EPA (EPA 1990) and others (Hoffman et al. 1984; Travis et al. 1986) to screen for levels of contamination that pose no threat for human consumption (Table 4-2). Only arsenic was present at concentrations above screening criteria; however the screening concentration for arsenic is below the detection limit for arsenic in fish, and also well below concentrations typical of most biological materials (Bowen 1979).

Thallium was detected in seven of eight bass from Rogers Quarry, but not in fish from McCoy Branch embayment. However, the concentrations were at or near the analytical detection limit, and therefore must be regarded cautiously. Although the data suggest that thallium may be elevated above background levels in Rogers Quarry, evaluation with more sensitive analytical methods is needed to verify whether that is in fact the case.

Concentrations of two elements, selenium and arsenic, in bass from Rogers Quarry, were significantly (ANOVA) elevated above concentrations in bass from McCoy Branch embayment (Table 4-2). The mean concentration of arsenic in bass from the quarry was $0.29 \pm 0.02 \mu\text{g/g}$, about twice the 0.14 ± 0.02 found in fish from the reservoir. Selenium was also substantially higher in the bass from Rogers Quarry, averaging 3.00 ± 0.11 versus $1.00 \pm 0.29 \mu\text{g/g}$. Thallium also appeared to be elevated in bass from the quarry, however concentrations were too near the detection limit to regard this result as conclusive. Mercury concentrations in fish from the quarry were among the lowest observed in largemouth bass in the United States, and differed substantially from concentrations in fish from Melton Hill Reservoir.

The mean concentrations of arsenic in the bass from McCoy Branch embayment may be elevated above typical background levels. Arsenic has never been found to exceed the detection limit ($0.05 \mu\text{g/g}$) in sunfish analyzed for Biological Monitoring Programs at ORNL, Y-12, and K-25 (Southworth 1988a,b; Southworth and Peterson 1989; Smith et al. 1988); however, all the largemouth bass collected from McCoy Branch embayment contained measurable arsenic concentrations (Table 4-1). The mean concentration of arsenic found in McCoy Branch embayment bass was similar to the nationwide mean concentration found in the National Contaminant Biomonitoring Program (Lowe et al. 1985), sampling various

species (Table 4-2). It was also similar to the mean concentration found in composite largemouth bass samples from seven sites in the TVA region (Table 4-2) in screening studies conducted by TVA (Dycus and Hickman 1986; Dycus 1989). The criterion used to indicate a need for follow-up sampling in the TVA screening studies is $0.5 \mu\text{g/g}$ for arsenic.

The mean selenium concentration in bass from McCoy Branch embayment exceeded the mean concentrations observed in both the National Contaminant Biomonitoring Program (Lowe et al. 1985) and the TVA investigations (Dycus and Hickman 1986; Dycus 1989) (Table 4-2). Typical concentrations observed in sunfish in the ORR Biological Monitoring Programs were 0.4 to $0.6 \mu\text{g/g}$ (Southworth 1988a,b; Southworth and Peterson 1989; Smith et al. 1988). Thus, selenium concentrations in bass from McCoy Branch embayment are clearly elevated. Although they are well below concentrations used to screen for human health concerns in fish consumers (Table 4-2), the mean concentration is equal to the criteria used by TVA to initiate follow up studies (Dycus 1989).

The presence of elevated concentrations of selenium and arsenic in fish from Rogers Quarry was not surprising, because surface water in McCoy Branch contained high concentrations of these substances for several years prior to the reduction of coal burned at the Y-12 Steam Plant in 1988 and subsequent elimination of fly ash discharges to Rogers Quarry in 1990 (Fig. 2-5). Average concentrations of these elements measured by NPDES monitoring in McCoy Branch were much lower, averaging $<46 \mu\text{g/L}$ arsenic and $4.3 \mu\text{g/L}$ selenium in the year preceding the fish sampling (Sect. 2.2.2, Fig. 2-4, and Fig. 2-5).

Several recent studies have suggested that adding selenium to waters in which mercury bioaccumulation in fish is excessive could ameliorate the problem (Rudd et al. 1980; Turner and Rudd 1983; Turner and Swick 1983; Bjornberg et al. 1988). However, another recent study found that simultaneous exposure of minnows to dissolved mercury and selenium resulted in more rapid accumulation of mercury than was observed in the absence of selenium (Cuvin and Furness 1988). The latter authors also note the positive correlation between tissue concentrations of mercury and selenium in large oceanic fish.

The mean mercury concentration in largemouth bass from Rogers Quarry, $0.014 \pm 0.002 \mu\text{g/g}$, was much lower than that in fish

from the adjacent reservoir, $0.073 \pm 0.011 \mu\text{g/g}$ (Table 4-2). A positive correlation between fish size and mercury concentration is commonly found in fish from the same site, which complicates comparisons of mercury concentrations among fish from different sites, because the mean weight of the fish sampled from Rogers Quarry was smaller than that of fish from McCoy Branch embayment. In this case, fish from Rogers Quarry exhibited a statistically significant relationship between fish weight and mercury concentration:

$$[\text{Hg}] = 5.40 \times 10^{-5} (\text{wgt}) - 0.002 \quad (1)$$

A similar relationship was found in the McCoy Branch embayment fish, but the slope of the relationship did not differ significantly from zero:

$$([\text{Hg}] = 8.11 \times 10^{-5} (\text{wgt}) + 0.038) \quad (2)$$

Because slopes of the two relationships did not differ significantly from each other, mercury concentrations could be compared in a straightforward fashion using analysis of covariance. The results of such a comparison indicated that the difference in mercury concentrations in fish between the two sites was indeed statistically significant. If Equation 1 is used to estimate the mercury concentration in Rogers Quarry fish of mean weight (430 g) equal to the mean weight in the Melton Hill Reservoir collection, the difference remains very large, 0.025 vs $0.073 \mu\text{g/g}$.

Mercury concentrations in largemouth bass from Rogers Quarry are among the lowest reported for this species. Concentrations measured by TVA in bass from 11 other sites in the upper Tennessee Valley all equalled or exceeded $0.2 \mu\text{g/g}$ (Dycus and Hickman 1986; Dycus 1989). The lowest mean concentrations observed in an extensive survey (96 sites) of lakes and streams in Florida were 0.04 and $0.07 \mu\text{g/g}$ in two highly eutrophic lakes (Hand and Friedman 1990). Concentrations at other locations typically exceeded $0.2 \mu\text{g/g}$ in that study, with most exceeding $0.5 \mu\text{g/g}$. Only one of 39 composite largemouth bass samples analyzed in the National Contaminant Biomonitoring Program, 1978 to 1981, contained $0.02 \mu\text{g/g}$ or less mercury (Lowe et al. 1985).

Although mercury concentrations in fish from Rogers Quarry were far lower than those typically found in largemouth bass, similar concentrations have been observed previously in bass from Melton Hill

Reservoir. Largemouth bass collected in 1976 averaged $0.02 \mu\text{g/L}$ (Elwood 1984). Monitoring conducted from 1979 to 1983 by ORNL found mercury concentrations in single composite samples of largemouth bass to range from 0.01 to $0.10 \mu\text{g/g}$, averaging $0.05 \mu\text{g/g}$ (MMES 1985). Analyses of individual fish were conducted in 1984 and 1985, and reported mean concentrations of 0.02 and $0.05 \mu\text{g/g}$, respectively (MMES 1986). Sampling by TVA in 1984 reported a mean concentration of $0.12 \mu\text{g/g}$ for 10 fish (TVA 1985). Bass collected in fall 1989 from two sites on Melton Hill Reservoir averaged $0.10 \mu\text{g/g}$ ($n = 8$) (S. M. Adams, Environmental Sciences Division, ORNL, personal communication). Thus, it appears that mercury concentrations measured in bass from Melton Hill Reservoir in the past have been quite low, and not unlike those observed in fish from Rogers Quarry. However, it also appears that measurements of mercury in Melton Hill Reservoir bass made since 1984 indicate that concentrations much higher than those observed in fish from Rogers Quarry are now typical of this lake.

The fact that very low concentrations of mercury have been observed in Melton Hill Reservoir fish in the past suggest that the low concentrations found in Rogers Quarry fish may result not from the presence of elevated concentrations of selenium in water and biota, but rather from unusually low concentrations of mercury in the water or some other factor limiting the production of methylmercury in this system. While it is impossible to disprove this hypothesis with the limited monitoring data presented here, NPDES monitoring of aqueous mercury concentrations in McCoy Branch suggest that this stream has occasionally contained elevated mercury concentrations in the past (Rogers et al. 1988, 1989). Thus, it is unlikely that the low concentrations of mercury in Rogers Quarry fish are a result of unusually low concentrations of mercury in the quarry water, and it is likely that the quarry actually contains higher concentrations of mercury than uncontaminated natural waters. It appears that the presence of 2 to $4 \mu\text{g/L}$ selenium in water in Rogers Quarry reduced the natural accumulation of mercury by a substantial amount, in agreement with speculation of Turner and Rudd (1983).

The measurements of selenium and arsenic concentrations in fish and water from Roger Quarry can also be used to calculate bioconcentration

factors for these two elements. Although a simple ratio cannot adequately describe or predict bioaccumulation of inorganic substances such as these that: (1) may be to some extent homeostatically regulated in fish, (2) may not exhibit a linear relationship between aqueous phase and biotic concentrations, and (3) may be accumulated significantly via food as well as direct aqueous uptake; nevertheless such ratios can be useful in extrapolating to similar circumstances and perhaps in providing additional indices for evaluating the potential of contaminants to bioaccumulate. Bioconcentration factors were calculated for these two compounds by dividing the mean concentrations in fish in the quarry by the mean aqueous phase concentration in the quarry measured over the preceding year. Results of this calculation yielded bioconcentration factors for selenium and arsenic of 940 and 6.3, respectively. For comparison, bioconcentration factors used in formulating EPA water quality criteria for these two elements were 6 and 44 for selenium and arsenic, respectively. The large discrepancy for selenium may be due to the fact that ingestion of selenium contaminated food is an important pathway in the accumulation of this element in fish (Hodson 1990), and bioconcentration factors as used in EPA Water Quality Criteria are based strictly on direct uptake from aqueous exposure.

Concentrations of pesticides and PCBs in individual bass from Rogers Quarry are listed in Table 4-3. In all cases, the concentrations were far below the estimated detection limits (Table 4-3), but extremely low concentrations of four pesticides and pesticide metabolites (heptachlor, DDT, DDE, and chlordane) were never the less estimated in some individual fish. These estimated concentrations were well below EPA Water Quality Criteria screening levels (EPA 1990) listed in Table 4-3 that were calculated using the EPA Integrated Risk Information System (IRIS 1989). Such extremely low estimated concentrations of organic contaminants cannot be used to reliably infer that these compounds are in fact present in the fish.

Two of eight fish collected in Rogers Quarry for contaminant analysis were deformed. Observed abnormalities involved bony structures of the fish including skull, gill opercula, fins, and scales. Each fish had severe erosion or incomplete development of the skull, giving it a misshapen, concave head. The bony portions of most fins were missing or

Table 4-3. Concentrations of chlorinated pesticides and PCBs
($\mu\text{g/g}$ wet wt) in fish from Rogers Quarry (ROGQUA),
and Hinds Creek (HINDSCR) July 1990

SITE	SPP ^a	TAG	SEX	WT (g)	LGTH (cm)	HEPTACHLOR	DDT	DDE	CHLORDANE ^c
ROGQUA	LMBASS	5878	M	467	34.4	0.0002	0.0004	<0.018	0.0001
ROGQUA	LMBASS	5879	F	299	29.1	0.0004	0.0010	0.0007	0.0003
ROGQUA	LMBASS	5494	M	217	26.2	0.0003	<0.022	0.0005	0.0002
ROGQUA	LMBASS	5495	F	515	32.2	<0.012	<0.024	0.0002	<0.012
ROGQUA	LMBASS	5496	F	180	24.2	<0.012	<0.024	0.0002	<0.012
ROGQUA	LMBASS	5497	M	193	25.0	<0.012	<0.024	0.0004	<0.012
ROGQUA	LMBASS	5498	M	315	29.2	<0.012	<0.024	0.0009	0.0004
ROGQUA	LMBASS	5499	F	194	25.3	<0.012	<0.024	<0.024	<0.012
ROGQUA	LMBASS	8785 ^b	.	.	.	<0.012	0.0016	<0.024	<0.012
HINDSCR	BLUGIL	5465	F	82.7	17.0	<0.025	<0.049	<0.049	<0.025
EPA IRIS SCREENING CRITERIA (EPA 1990)						0.0024	0.032	0.032	0.008

^aLMBASS = Largemouth bass; BLUGIL = bluegill sunfish.

^bDuplicate for 5878.

^cSum of alpha and gamma chlordane.

All other pesticides and PCBs below limit of detection.

Compound	Detection limit ^d ($\mu\text{g/g}$ wet wt.)
ALPHA-BHC	<0.012
BETA-BHC	<0.012
DELTA-BHC	<0.012
GAMMA-BHC	<0.012
HEPTACHLOR	<0.012
ALDRIN	<0.012
HEPTACHLOR EPOXIDE	<0.012
ENDOSULFAN I	<0.012
DIELDRIN	<0.024
4,4'-DDE	<0.024
ENDRIN	<0.024
ENDOSULFAN II	<0.024
4,4'-DDD	<0.024
ENDOSULFAN SULFATE	<0.024
4,4'-DDT	<0.024
ENDRIN KETONE	<0.024
METHOXYCHLOR	<0.024
TOXAPHENE	<0.024
ARCHLOR 1016	<0.024
ARCHLOR 1221	<0.024
ARCHLOR 1232	<0.024
ARCHLOR 1242	<0.024
ARCHLOR 1248	<0.024
ARCHLOR 1254	<0.024
ARCHLOR 1260	<0.024

^dWhen analytes are not detected, the ORNL Analytical Chemistry Division Organics Analysis lab reports values as less than the quantitation limit. Concentrations lower than the quantitation limit can be detected, but with lower accuracy and precision than is required to define the quantification limit. The detection limit used in this table was estimated by dividing the reported quantification limit by a factor of ten. In some cases, the laboratory reported even lower concentrations to be detected. These values are reported, but are unlikely to actually indicate the presence of the specified analyte.

eroded, and pelvic fins were missing. The bony portion of the outer gill covers was malformed or incomplete in both fish. Lateral line scales were missing in one fish; in the other, some lateral line scales were absent and the remaining scales had a pronounced ridge. Both deformed fish were older than the remaining six fish collected in Rogers Quarry, with age estimated from scale annuli at two and four years, versus one year for the normal appearing fish (Table 4-2). Additional fish were captured and released in Rogers Quarry because the collection effort was attempting to collect individuals representing a broad range of sizes and ages. All fish released (approximately six) were similar in size and appearance to the six undeformed fish in the collection. No abnormal bass were collected or observed in McCoy Branch embayment of Melton Hill Reservoir.

The concentrations of selenium in water from Rogers Quarry for the 12 months preceding the fish sampling were somewhat lower than concentrations (5-10 ug/L) observed in a selenium contaminated lake (Belews Lake) where fish exhibited severe adverse impacts (Hodson 1990). Selenium concentrations in fish from Belews Lake (10 to 50 $\mu\text{g/g}$) were also higher than in Rogers Quarry (Hodson 1990). However, aqueous selenium concentrations in Rogers Quarry in the years preceding 1989 were substantially higher than those reported for Belews Lake (Fig. 2-5). The deformed bass collected in Rogers Quarry would have been exposed to these higher selenium (and arsenic) concentrations if they were lifetime residents of the quarry. The undeformed fish collected in 1990 were all from the age class spawned in spring 1989, and thus would never have been exposed to the very high contaminant concentrations that occurred previously.

Physiological changes characteristic of selenium poisoning were reported in fish from Belews Lake (Hodson 1990; Sorensen et al. 1984) and another fly ash-contaminated system, Martin Lake (Sorensen and Bauer 1983). At Belews Lake, selenium exposure caused reproductive failure and a severe decline in fish populations within the affected area (Hodson 1990); however, bony tissue abnormalities were not cited in either system. It appears likely that the abnormalities observed in Rogers Quarry bass are related to some dissolved constituent(s) in the coal ash discharge that has declined in concentration substantially

since fly ash discharge to the quarry ceased. It does not appear likely that selenium was the cause of the abnormalities. To date, we have not found evidence in the literature that arsenic or thallium may be contributors to these effects.

4.4 CONCLUSIONS

Concentrations of selenium, arsenic, and possibly thallium are elevated in largemouth bass from Rogers Quarry relative to bass from McCoy Branch embayment and sunfish from Hinds Creek. Levels of selenium and possibly arsenic appeared to be elevated above background in bass from McCoy Branch embayment of Melton Hill Reservoir. Only arsenic exceeds conservatively based screening criteria; however virtually all biological materials exceed this criterion for arsenic. Cessation of inputs of fly ash to the system, coupled with the rapid biological turnover of selenium and arsenic, should result in continuing decreases in concentrations of these elements in fish. The very low concentrations of mercury in fish from Rogers Quarry are consistent with findings of other research on interaction between selenium and the bioaccumulation of mercury, and suggest research areas for possible remediation of local mercury-contaminated systems.

Bioaccumulation of organic contaminants was not indicated in the McCoy Branch discharge.

4.5 FUTURE STUDIES

Largemouth bass in Rogers Quarry and McCoy Branch embayment will be sampled and analyzed for metals again in 1991 to ascertain whether or not concentrations of arsenic, selenium, and thallium decrease as expected. Largemouth bass will also be collected from a reference site more similar to Rogers Quarry, such as Lambert Quarry. At the same time, a more extensive survey of the incidence of bony structure deformities will be carried out. Further review of the scientific literature for possible agents that cause abnormalities similar to those found in Rogers Quarry bass will be conducted.

5. FISH COMMUNITY ASSESSMENT

5.1 INTRODUCTION

Fish population and community studies can be used to assess the ecological effects of water quality and habitat. These studies offer several advantages over other indicators of environmental quality (see Karr et al. 1986; Karr 1987) and are relevant to any evaluation of the biotic integrity of streams such as McCoy Branch. Fish communities, for example, comprise several trophic levels, with species that are at or near the end of food chains. Consequently, they integrate the direct effects of water quality and habitat changes on primary producers (periphyton) and consumers (benthic invertebrates) that are used for food. Because of these trophic interrelationships, the well-being of fish populations has often been used as an index of water quality (e.g., Weber 1973; Greeson et al. 1977; Karr et al. 1986). Moreover, statements about the condition of the fish community are better understood by the general public (Karr 1981).

The initial objectives of the fish community monitoring task were to (1) characterize spatial and temporal patterns in distribution and abundance of fishes in McCoy Branch, and (2) document any effects on fish community structure and function resulting from implementation of the remedial actions as discussed in the McCoy Branch RFI (Murphy and Loar 1988).

5.2 METHODS

The fish community in McCoy Branch was evaluated at one area upstream and one area downstream from Rogers Quarry (Fig. 2-2); both areas are potentially impacted by coal ash effluent (Sect. 2.2.3). The upstream area was sampled qualitatively over a long stream reach to determine absence or presence of fish. The downstream area was sampled quantitatively at McCoy Branch kilometer (MCK) 1.56 to measure population parameters. Similar quantitative samples were made at two nearby reference sites [Grassy Creek kilometer 2.4 (GCK 2.4) and White Oak Creek kilometer 6.8 (WCK 6.8)] for comparison of population parameters (Fig. 2-1). No attempt was made to survey the quarry itself.

Both qualitative and quantitative sampling was conducted using a Smith-Root Model 15A backpack electrofisher. The unit has a

self-contained, gasoline-powered generator capable of delivering up to 1200 volts of pulsed direct current. The pulse frequency and the output voltage can be varied, but generally a pulse frequency of 90 to 120 Hz and a voltage of less than 400 volts was used.

For qualitative sampling, one electrofisher and one netter made a single electrofishing survey upstream through the stream. A majority of the stream was sampled, as well as all major tributaries. Two surveys (11 May 1989 and 15 June 1990) covered the stream from the Rogers Quarry inlet (MCK 1.92) to a large earthen dam (MCK 2.65) upstream. Another, survey (14 December 1987) was made of the stream sections above the earthen dam. Stunned fish were to be kept and identified to species.

For quantitative sampling, a 0.64-cm-mesh seine was placed across the upper and lower boundaries of the fish sampling site to restrict fish movement. The sampling site (MCK 1.56) varied between 46 to 50 m in length (Table 5-1) for the three sampling surveys. A quantitative sample involved one electrofisher and one or two netters. This sampling team electrofished through the site in an upstream direction collecting stunned fish for three separate passes. The fish were separated by pass in buckets prior to processing. Depending upon the turbidity of the water, the consecutive passes could not always be made immediately. Rather, fish were processed after each pass to allow sufficient time for the water to clear before another pass was started.

Following the electrofishing, fish were anesthetized with MS-222 (tricaine methanesulfonate) and processed. To process the fish, they were identified, measured to the nearest 0.1 cm (total length), and weighed to the nearest 0.1 g (for fish less than 100 g) or gram (for fish greater than 100 g) using Pesola spring scales. At sites with high fish densities, individuals were recorded by 1-cm size classes and species. After 25 individuals of a species-size class were measured and weighed, additional members of that size class were only measured. Length-weight regressions were later used to estimate weight for unweighed fish (Railsback et al. 1989). Other data recorded (if possible to determine), included sex, reproductive state, disposition (i.e., dead or kept for laboratory identification and inclusion in a

Table 5-1. Length, mean width, mean depth, area, and pool-riffle ratio (P/R) of fish sampling sites on McCoy Branch (MCK) and two reference streams, Grassy Creek (GCK) and White Oak Creek (WCK), for each sampling date.

Site (km)	Date	Length (m)	Width (m)	Depth (cm)	Area (m ²)	P/R
MCK 1.56	05/11/89	46	1.6	18.6	74	0.4
	10/27/89	50	0.9	10.5	45	0.4
	05/16/90	50	0.9	13.6	45	0.5
GCK 2.4	04/06/89	60	1.9	13	114	0.8
	10/23/89	61	1.4	9	85	1.8
	04/19/90	61	1.6	8	98	0.8
WCK 6.8	04/20/89	60	2.3	6.3	138	0.4
	10/31/89	60	2.0	8.1	120	0.7
	04/03/90	55	2.5	7.7	138	NM ^a

^aPool-riffle ratio was not measured for this sample.

reference collection), and the presence of any abnormalities (e.g., external parasites, skeletal deformities, etc.). After processing fish from all passes, the fish were allowed to fully recover from the anesthetic and were returned to the stream within the sampling site. Any additional mortality occurring as a result of processing was noted at that time.

In addition to data on individual fish, data on selected physical and chemical parameters and the sampling effort were recorded. An Horiba Model U-7 Water Quality Checker was used to measure pH, temperature, dissolved oxygen, and conductivity. An HF Instruments Model DRT-15 turbidimeter was used to measure turbidity. The duration of the electrofishing effort was recorded for each pass and a visual estimate was made of percent cloud cover. Following completion of fish sampling, the length, widths (at 5-m intervals), and depths (at 3 points on the width transect) of the sampling reach were measured at each site.

Species population estimates were calculated using the three-pass removal method of Carle and Strub (1978). Biomass was estimated by multiplying the population estimate by the mean weight per individual. Total numbers and biomass were divided by the surface area (m^2) of the sampling site to calculate values per unit area. For each sampling date, surface area was estimated by multiplying the length of sampling reach by the mean width based on measurements taken at 5-m intervals (Table 5-1).

The population structure of the three most abundant species was examined by length frequencies. The lengths of the estimated fish population were separated into 1- or 2-cm size classes, depending on the maximum size of the species. These frequencies indicated whether the population included young and adult individuals and if any unusual mortality had affected a size class.

The procedures used for calculating density, biomass, and length frequency are given in more detail in Railsback et al. (1989).

Condition factors measure the degree of plumpness of a fish as a measure of relative health (Bennett 1970). A condition factor (K) was calculated for individual fish by site using the formula:

$$K = 100 (\text{weight}/\text{length}^3) ,$$

with weight in grams and total length in centimeters (Hile 1936). Fish without measured weights were not used in the calculation of condition factors. A comparison of condition factors between sampling periods was made with an analysis of variance (ANOVA) on untransformed data (PROC GLM, SAS 1985b) because the condition factors exhibited homogeneity of variance (PROC UNIVARIATE, SAS 1985a). If the ANOVA indicated significant differences in condition factors between groups, the Tukey test was performed to identify those groups that were significantly different ($\alpha = 0.05$).

5.3 RESULTS AND DISCUSSION

5.3.1 Community Structure

Surveys of upper McCoy Branch, above Rogers Quarry, failed to locate any fish. The three surveys at MCK 1.56 indicated that the stream below the quarry had a permanent fish community. At MCK 1.56, species richness (total number of species) ranged from 9 to 11 species for the three surveys made from May 1989 to May 1990 (Table 5-2). The total number of species taken during this period was 14, but only six species were taken in all surveys. Species richness in McCoy Branch was considerably higher than the 3 to 5 species found in the reference sites.

The variability in species number and composition in McCoy Branch is related to proximity of the site to Melton Hill Reservoir. The closeness of the reservoir allows species to be found in McCoy Branch that are atypical for a stream the size of McCoy Branch. Only blacknose dace (*Rhinichthys atratulus*), central stoneroller (*Campostoma anomalum*), redbreast sunfish (*Lepomis auritus*), and snubnose darter (*Etheostoma simoterum*) are typical inhabitants of similar-sized streams in this area (Ryon and Loar 1988). Comparisons with the reference streams indicate that several species expected to occur in streams of this size were missing. These species include creek chub (*Semotilus atromaculatus*), striped shiner (*Luxilus chrysocephalus*), white sucker (*Catostomus commersoni*), and banded sculpin (*Cottus carolinae*). The absence of these species may reflect past extermination by coal ash

Table 5-2. Fish densities (number fish/m²) in McCoy Branch (MCK) and in two reference streams, White Oak Creek (WCK) and Grassy Creek (GCK), for April/May 1989 to April/May 1990.

Species	April/May 1989	October 1989	April/May 1990
MCK 1.56			
Blacknose dace		<0.1 ^a	
Bluntnose minnow	0.5	0.7	0.1
Carp	0.1		
Spotfin shiner	0.1		
Stoneroller	<0.1		
Bluegill sunfish	5.2	0.4	1.4
Green sunfish	0.3	0.9	0.8
Largemouth bass		0.1	<0.1
Redbreast sunfish	0.1	0.2	<0.1
Redear sunfish	<0.1	<0.1	
Warmouth		0.1	<0.1
Greenside darter	<0.1		<0.1
Snubnose darter	<0.1	0.1	<0.1
Yellow bullhead	<0.1	0.2	0.1
Number species	11	10	9
Total density	6.4	2.7	2.6
WCK 6.8			
Blacknose dace	1.0	1.9	1.1
Creek chub	0.1	0.2	<0.1
Stoneroller		<0.1	
Banded sculpin	0.2	0.3	0.3
Number of species	3	4	3
Total density	1.3	2.4	1.4
GCK 2.4			
Blacknose dace	0.1	2.2	0.9
Creek chub	0.1	0.5	0.3
Striped shiner	<0.1		<0.1
Banded sculpin		<0.1	<0.1
White sucker	<0.1	<0.1	<0.1
Green sunfish		<0.1	
Number of species	4	5	5
Total density	0.2	2.8	1.3

^aValue of <0.1 indicates species was present at very low densities.

discharges and prevention of recolonization from Melton Hill Reservoir. The variable association of fish species and the presence of fish atypical for a stream of this size suggest that the community contains many individuals that move in and out from the reservoir.

The fish community at MCK 1.56 contained four species [green sunfish (*L. cyanellus*), carp (*Cyprinus carpio*), yellow bullhead (*Ameiurus natalis*), and spotfin shiner (*Cyprinella spiloptera*)] that are considered to be insensitive to many habitat and water quality stressors. They would be considered tolerant species in an impact assessment methodology such as the Index of Biotic Integrity (Karr et al. 1986). Only two species were found that would be considered slightly intolerant, or sensitive to stress, the Tennessee snubnose darter and greenside darter (*E. blenniodes*) and these species were represented by only a few individuals. This pattern suggests that McCoy Branch is a stressed system.

Trophic composition of the community can indicate further stress on the system. A nonimpacted stream will have many benthic insectivores, few generalist feeders, and a stable piscivore population. The fish community of McCoy Branch included many omnivores or generalist feeders, few benthic insectivores, and fewer piscivores. Generalist feeders are readily able to switch prey items and are more successful in stressed stream systems (Leonard and Orth 1986). In McCoy Branch the generalist feeders included the blacknose dace, carp, bluegill sunfish (*L. macrochirus*), warmouth (*L. gulosus*), and yellow bullhead. Benthic insectivores are specialized feeders that are limited in the prey items they can eat, are more successful in undisturbed streams (Leonard and Orth 1986), and in McCoy Branch included only the two darter species. The largemouth bass (*Micropterus salmoides*) was the only piscivore; it was present in low numbers (Table 5-2) and only at small sizes.

5.3.2 Population Densities

Densities at MCK 1.56 for the three sampling periods ranged from 2.6 to 6.4 fish/m² (Table 5-2). The density in May 1989 of 6.4 fish/m², included 5.2 bluegill/m². Later samples did not have such a strong component of bluegills and the densities were much lower. In comparisons with reference streams, MCK 1.56 densities were generally

higher than either densities at GCK 2.4 or WCK 6.8. The high densities may be affected by immigration from Melton Hill Reservoir and/or from Rogers Quarry.

The densities of individual species were proportionally similar for each sampling period. The community density was dominated by bluntnose minnow, bluegill, and green sunfish. Interestingly, none of these species occurred in the reference streams. Conversely, the dominant species in the reference streams, blacknose dace and creek chub, were present in low numbers or absent altogether from McCoy Branch.

5.3.3 Population Biomass

Fish biomass values (g wet wt/m²) paralleled the trends observed in population density (Table 5-3). The initial sample in May 1989 had an extremely high biomass of 107.5 g wet wt/m². This was due to the presence of several large carp and a substantial number of sunfish. The sample in October 1989 had a much lower biomass (17.4 g wet wt/m²) than in May due to the absence of many large sunfish. However, the community biomass rebounded in May 1990 (50.3 g wet wt/m²), when more large sunfish returned to the site. The biomass in McCoy Branch was 2 to 100 times higher than the values found in the reference streams (Table 5-3) at comparable sampling dates.

The dominant species (excluding carp), in terms of biomass, were bluegill, green, and redbreast sunfish. Most of the biomass for bluegill and green sunfish came from large numbers of several intermediate size classes; while the biomass of the redbreast sunfish was based on a few large individuals. The dominance by sunfish of the community biomass reflected the influence of Melton Hill Reservoir.

5.3.4 Length Frequency

The length-frequency histograms for the three most abundant species reflected their reproductive patterns and any potential stress from coal ash on these patterns. The most abundant species, the bluegill sunfish, showed a strong dominance by the 4- to 7.9-cm size classes in the spring 1989 sample (Fig. 5-1). However, the fall 1989 sample does not show any small size classes, suggesting a lack of bluegill reproduction in McCoy Branch. Also the general bluegill population declined. In 1990, the

Table 5-3. Fish biomass (g fish/m²) in McCoy Branch (MCK)
and in two reference streams, White Oak Creek (WCK)
and Grassy Creek (GCK), for April/May 1989
to April/May 1990.

Species	April/May 1989	October 1989	April/May 1990
MCK 1.56			
Blacknose dace		0.1	
Bluntnose minnow	1.7	0.9	0.2
Carp	74.6		
Spotfin shiner	0.5		
Stoneroller	0.1		
Bluegill sunfish	20.1	3.1	35.8
Green sunfish	3.9	1.8	6.2
Largemouth bass		0.8	0.3
Redbreast sunfish	6.1	6.7	2.3
Redear sunfish	0.2	0.5	
Warmouth		0.9	0.6
Greenside darter	0.1		0.3
Snubnose darter	<0.1	0.2	0.1
Yellow bullhead	0.2	2.4	4.5
Total biomass	107.5	17.4	50.3
WCK 6.8			
Blacknose dace	1.3	8.4	1.2
Creek chub	0.4	0.3	0.1
Stoneroller		<0.1	
Banded sculpin	1.0	1.2	0.9
Total biomass	2.7	9.9	2.2
GCK 2.4			
Blacknose dace	0.2	1.5	1.1
Creek chub	0.4	2.1	1.6
Striped shiner	0.1		0.5
Banded sculpin		0.6	<0.1
White sucker	0.2	0.2	0.3
Green sunfish		0.7	
Total biomass	0.9	5.1	3.5

Figure 5-1. Length-frequency histograms for bluegill sunfish, green sunfish, and bluntnose minnow for May 1989, October 1989, and May 1990 from McCoy Branch site MCK 1.56.

population remained small with a shift towards more large individuals in the site.

The green sunfish showed a more balanced pattern, with large numbers of small- to medium-sized individuals and a few large individuals at all sample dates (Fig. 5-1). In the fall 1989 sample, the two smallest size classes had substantial numbers of fish. This suggests a relatively stable reproductive effort.

The bluntnose minnow had a much narrower size range, which was dominated by larger size classes in the spring samples (Fig. 5-1). The smaller individuals in the fall 1989 sample are an indication of some reproduction (or immigration from nearby embayment areas).

5.3.5 Condition Factors

Comparisons of condition factors (K) should provide information on the relative well-being of the fish, because those with more weight per length have a higher condition factor (Everhart et al. 1975). Data were not available for a statistical comparison of condition factors between MCK 1.56 and the reference sites because there was so little species overlap. When compared with condition factors of redbreast and bluegill sunfish in other areas of WOC (Ryon and Schilling 1990), condition factors of these species at MCK 1.56 were within the range of values. Seasonal comparisons of condition factors in McCoy Branch were made for nine species. Three species, bluegill sunfish, green sunfish, and bluntnose minnow demonstrated statistically greater condition factors in spring samples than in fall samples. Six other species did not show any significant differences.

5.3.6 Observed Abnormalities

As part of the normal processing procedure for population estimates, observations of abnormalities or attached parasites are made of the fish specimens. Usually, these abnormalities are limited to less than 1 to 5 percent of the population in a minimally stressed system; a highly stressed system would have 5% or more abnormalities (Karr et al. 1986). Such abnormalities may include spinal deformities, open skin lesions, fin rot or erosion, or distended eyes ('popeye'). The number of such observations made in McCoy Branch seemed unusually high.

In the May 1989 sample, 27% of the green sunfish (6.3 to 15.7 mm TL) and 73% of the redbreast sunfish (10.9 to 17.5 mm TL) had one abnormality, extremely eroded fins. The pelvic, pectoral, and anal fins were often missing or reduced to mere fin rays without any membranes and tipped by an enlarged knob. The occurrence of abnormalities decreased substantially in the October 1989 fish population sample (2%). However, the May 1990 sample again demonstrated severe abnormalities. Eroded fins were found in 8% of the green sunfish (9.1 to 14.5 mm TL) and 13% of the bluegill sunfish. Also, 11% of the bluegill (9.2 to 18.1 mm TL) showed another abnormality, a misshapened head that appeared to be a skull deformity. Similar deformities were noted in largemouth bass taken in bioaccumulation sampling of Rogers Quarry (see section 4.3). The reference streams did not have any specimens with either eroded fins or deformed heads during these sampling periods. The presence of the deformities suggest an extreme stress in McCoy Branch, perhaps related to the high levels of arsenic or selenium in McCoy Branch water (see Sect. 2.2.2 and 4.3).

5.4 CONCLUSIONS

Data on the fish populations of McCoy Branch demonstrated that the stream has received considerable stress from the coal ash operations. The total lack of species above the quarry indicate that conditions were lethal to fish in that section. The cessation of the coal ash sluicing through that section after November 1989 should have reduced that stress. However, Rogers Quarry effectively acts as a migration barrier to species that might repopulate upper McCoy Branch.

The fish community below Rogers Quarry, although permanent, demonstrates a lesser degree of impact than that of upper McCoy Branch. The stress is related to both coal ash discharges and the impacts of Melton Hill Reservoir. The species composition, and the most abundant species, reflect conditions inappropriate for a stream the size of McCoy Branch. Species that should occur in such a stream are missing and have been replaced by those from the adjacent reservoir. Even those species demonstrate several degrees of stress. The species occurring in the stream include those most tolerant of degraded conditions. This applies to both tolerance of physical and chemical stress and a flexibility in

feeding requirements. Finally, substantial numbers of individuals within the community demonstrate severe physical abnormalities only rarely found in other systems.

5.5 FUTURE STUDIES

The future plans for assessing the fish community in McCoy Branch will continue the twice a year (spring and fall) sampling schedule. Until fish populations are found in upper McCoy Branch, sampling in that area will be restricted to qualitative surveys. An additional reference site will be sampled quantitatively. This selected site will more closely approximate the species and the conditions of MCK 1.56. For example, the site will be situated close to an embayment or main section of Melton Hill Reservoir. During the quantitative processing, additional attention will be given to assessing abnormalities.

Because immigration of individuals and species into McCoy Branch from Melton Hill Reservoir is occurring, further qualitative sampling will be conducted to assess immigration. If possible, additional qualitative sampling will include the quarry; this may be a cooperative effort with sampling for the bioaccumulation task.

Long-term plans for McCoy Branch studies may include the reintroduction of fish species into upper McCoy Branch above Rogers Quarry. The fish would be species expected to occur in such a stream (e.g. blacknose dace) and population dynamics would be monitored after the reintroduction.

6. BENTHIC MACROINVERTEBRATE COMMUNITY ASSESSMENT

6.1 INTRODUCTION

Benthic macroinvertebrates are those organisms which live on or in the substrate of flowing and nonflowing bodies of water and are large enough to be seen without the aid of magnification. Their limited mobility and the relatively long life spans (a few months to more than a year) of most taxa make them ideal for use in evaluating the ecological effects of effluent discharges to streams (Platts et al. 1983). Thus, the composition and structure of the benthic community reflect the relatively recent past and they can be considerably more informative than alternative methods that rely solely on water quality analyses, but that miss the potential synergistic effects often associated with complex effluents. The objective of the initial phase of this study was to provide a detailed spatial and temporal characterization of the benthic invertebrate community of McCoy Branch. These data will be used as a baseline from which the effectiveness of major remedial actions within the McCoy Branch watershed can be assessed. The data will also be used to provide direction for future studies.

6.2 MATERIALS AND METHODS

Benthic macroinvertebrates were sampled at approximately quarterly intervals beginning in April 1989 through January 1990 at two sites in McCoy Branch (Fig. 2-2). Because an unimpacted reference site was not available on McCoy Branch, a relatively unimpacted reach of upper White Oak Creek (WOC) served as a reference site. Upper WOC is similar in size to McCoy Branch, and is located just north of ORNL, approximately three kilometers west of McCoy Branch (Fig. 2-1). Three random quantitative samples were collected from a permanently marked riffle at each site with a Surber bottom sampler (0.09 m²) fitted with a 363- μ m-mesh collection net. To obtain additional information on taxonomic richness, a qualitative sample that consisted of collections from riffle and non-riffle habitats (e.g., pools, leaf packs, detritus, snags, etc.) was taken from each site in the spring of 1989. Qualitative samples were collected with a D-frame aquatic dip net (mesh of 800 x 900 μ m). All samples were placed in prelabeled,

polyurethane-coated glass jars and preserved in 80% ethanol; the ethanol was replaced with fresh ethanol (80%) within ten days of collection.

Supplemental information on water quality and stream characteristics was recorded at the time of sampling. Temperature, conductivity, dissolved oxygen, and pH were measured with an Horiba Model U-7 Water Quality Checker. Water depth, location within the riffle area (distance from permanent headstakes on the stream bank), visual determination of relative stream velocity (very slow, slow, moderate, or fast), and substrate type (visual determination based on a modified Wentworth particle size scale, Loar 1985) were recorded for each sample.

All samples were washed in the laboratory using a U.S. Standard Series no. 60 sieve (250- μ m-mesh) and placed in an 8 x 10-inch white, plastic tray for sorting. Organisms were removed from the debris with forceps and placed in labeled vials containing 80% ethanol. Organisms were identified to the lowest practical taxonomic level using a stereoscopic dissecting microscope. After chironomid larvae were sorted into groups based on morphological similarities, one or more representatives of each group were mounted on a slide in CMC-10 mounting medium and identified using a compound microscope. The remaining chironomid larvae were then identified at a magnification of 50X to 100X with a dissecting microscope. A blotted wet weight of all individuals combined in each taxon was determined to the nearest 0.01 mg on a Mettler analytical balance.

Slides of mounted chironomid larvae were retained in slide boxes, and individuals of the remaining taxa from a given site and sampling date were preserved in separate vials containing 80% ethanol. A reference collection of these specimens will be maintained at ORNL.

The Shannon-Weiner index (H') was used to calculate the taxonomic diversity of benthic macroinvertebrates at each site (Pielou 1977):

$$H' = - \sum P_j \log_2 P_j$$

where P_j is the proportion of the benthic invertebrate community made up of species j . H' values of 3 or greater are typical of clean water, while values of 1 to 3 are usually associated with moderate pollution,

and values of less than 1 characterize heavily polluted water (Platts et al. 1983).

All data analyses were done with the Statistical Analysis System (SAS 1985a,b). Mean values for density¹, biomass¹, number of taxa per sample (taxonomic richness), number of Ephemeroptera, Plecoptera, and Trichoptera taxa per sample (EPT richness), and taxonomic diversity were compared separately with a one-way analysis of variance (ANOVA) on sampling period (quarterly)-specific data with site as the main effect; all analyses were based on three replicates per site and date. Prior to performing the ANOVAs, data were transformed [$\log_{10}(X+1)$; where x = individual values for density, biomass, etc.] (Elliott 1977). Where significant differences were found between sites, treatment means were compared using a Tukey standardized range test ($\alpha = 0.05$) to discriminate these differences.

6.3 RESULTS

6.3.1. Taxonomic Composition

A checklist of the benthic invertebrates collected from McCoy Branch and a reference site at White Oak Creek kilometer 6.8 (WCK 6.8) from April 1989 through January 1990, is presented in Appendix B, Table B-1. A total of 163 distinct taxa, 145 of which were insects, were collected in quantitative samples from the designated sampling sites in the two streams. Nine orders of insects, including Collembola (springtails), Ephemeroptera (mayflies), Coleoptera (beetles), Diptera (true flies), Hemiptera (true bugs), Megaloptera (alderflies, fishflies, and dobsonflies), Odonata (dragonflies and damselflies), Plecoptera (stoneflies), and Trichoptera (caddisflies), were collected from these streams. The order Diptera was the most taxonomically rich group with 76 representative taxa, 50 of which were from the family Chironomidae

¹Comparisons between sites in density and biomass were made both with and without Mollusca (snails and mussels) and Decapoda (crayfish) since these taxa are typically very heavy but numerically unimportant, and can thus suppress the importance of the weight changes of the other organisms. Therefore, unless otherwise noted, trends presented in both spatial and temporal patterns in density include both Decapoda and Mollusca, while trends in biomass exclude these two groups.

(true midges). Of the remaining insect orders, Trichoptera, Ephemeroptera, and Plecoptera had the greatest number of taxa with 23, 20, and 16 taxa, respectively. The numbers of taxa from these three orders were greater from the reference site than from either of the two McCoy Branch sites. Of the nine insect orders represented in the quantitative samples, Megaloptera were absent from MCK 1.40 and Hemiptera were absent from MCK 2.03.

In addition to insects, taxa representing ten other major taxonomic groups were collected including Amphipoda (sideswimmers), Copepoda (copepods), Decapoda (crayfish), Gastropoda (snails), Hydracarina (water mites), Nematoda (roundworms), Oligochaeta (aquatic earthworms), Ostracoda (seed shrimp), Bivalvia (mussels and clams), and Tricladida (planaria or flatworms) (Appendix B, Table B-1). Copepoda and Ostracoda were collected only from McCoy Branch.

Twenty-seven additional taxa were collected from McCoy Branch and 25 from WOC in qualitative samples (Appendix B, Table B-1). Decapods, amphipods, and water mites were found in McCoy Branch only in the qualitative samples (Appendix B, Table B-1). Of the additional taxa collected from McCoy Branch only one belonged to the order Ephemeroptera. In the WCK 6.8 sample, there were 11 additional taxa of Ephemeroptera, Plecoptera, and Trichoptera. The group containing the greatest number of additional taxa was the dipterans (7 from WCK 6.8 and 23 from the MCK sites).

6.3.2 Density and Biomass

The annual means for density and biomass of the benthic macroinvertebrates at each sampling site are presented in Table 6-1. The density of invertebrates (including and excluding mollusks and decapods) at MCK 1.40 and WCK 6.8 was almost twice that at MCK 2.03 (Table 6-1); these differences were statistically significant (Table 6-2). The biomass of macroinvertebrates (all taxa) at WCK 6.8 was more than 13 times higher than at MCK 1.40, and almost 6 times higher than at MCK 2.03 (Table 6-1). When mollusks and decapods were excluded, the biomass at WCK 6.8 was similar to the biomass at MCK 1.40 but still was almost 2.5 times higher than at MCK 2.03. Statistical comparisons showed that the biomass at MCK 2.03 was significantly lower

Table 6-1. Mean annual density (number of individuals/0.1 m²), biomass (mg wet weight/0.1 m²), taxonomic richness (number of taxa/sample), Ephemeroptera, Plecoptera, and Trichoptera (EPT) richness (number of EPT taxa/sample), and diversity (H') of benthic macroinvertebrates in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990. Values in parentheses are $\pm$ 1 SE.

	Density ^a	Density ^b	Biomass ^a	Biomass ^b	Taxonomic richness	EPT richness	Diversity
MCK 1.40	669.5 (186.7)	662.7 (185.0)	473.1 (104.2)	442.6 (109.3)	25.6 (3.0)	4.9 (0.8)	2.90 (0.08)
MCK 2.03	388.9 (248.9)	385.0 (247.0)	206.8 (112.5)	187.4 (97.2)	23.8 (7.0)	5.5 (3.1)	3.02 (0.24)
WCK 6.8	714.1 (194.1)	675.1 (194.2)	2751.2 (568.3)	452.0 (117.8)	45.8 (2.3)	15.7 (1.4)	3.98 (0.20)

^aIncludes all taxa.

^bExcludes Mollusca and Decapoda

Table 6-2. Statistical comparisons of mean annual benthic macroinvertebrate density, biomass, taxonomic richness, Ephemeroptera, Plectoptera and Trichoptera (EPT) richness, and species diversity in McCoy Branch (MCK) and the reference stream, White Oak Creek (WCK). Sites not joined by lines are significantly different ($\alpha = 0.05$), based on Tukey's studentized range test (HSD). $n = 12$ for each site.

Parameter type		
<u>Density (all taxa)</u>		
<u>WCK 6.8</u>	<u>MCK 1.40</u>	<u>MCK 2.03</u>
<u>Density (excluding Mollusca and Decapoda)</u>		
<u>WCK 6.8</u>	<u>MCK 1.40</u>	<u>MCK 2.03</u>
<u>Biomass (all taxa)</u>		
<u>WCK 6.8</u>	<u>MCK 1.40</u>	<u>MCK 2.03</u>
<u>Biomass (excluding Mollusks & Decopoda)</u>		
<u>WCK 6.8</u>	<u>MCK 1.56</u>	<u>MCK 2.03</u>
<u>Richness</u>		
<u>WCK 6.8</u>	<u>MCK 1.40</u>	<u>MCK 2.03</u>
<u>EPT Richness</u>		
<u>WCK 6.8</u>	<u>MCK 1.40</u>	<u>MCK 2.03</u>
<u>Diversity</u>		
<u>WCK 6.8</u>	<u>MCK 1.40</u>	<u>MCK 2.03</u>

than at MCK 1.40 and WCK 6.8 (with or without the mollusks and decapods), while the biomass at MCK 1.40 differed from WCK 6.8 only when all taxa were considered (Table 6.2).

Temporal patterns in density of macroinvertebrates at MCK 1.40 and WCK 6.8 were similar, with the highest density at both sites occurring in July (Fig. 6-1). In contrast, the greatest density at MCK 2.03 occurred in January when the density was four times greater than during the previous three sampling periods. During each sampling period, chironomids and coleopterans were generally the most abundant taxa at MCK 1.40, although a July peak in density was primarily the result of a substantial increase in the numbers of trichopterans and nonchironomid dipterans. Chironomids, ephemeropterans, and plecopterans were consistently the most abundant taxa at WCK 6.8. The July peak in density at this site resulted primarily from an increase in the numbers of ephemeropterans and nonchironomid dipterans and to a lesser extent plecopterans and chironomids (Fig. 6-2). Chironomid densities were generally higher than the densities of other taxa at MCK 2.03; however, ephemeropterans (primarily *Baetis*) were responsible for a dramatic increase in density at this site in January.

Seasonal trends in biomass were similar to those of density, with the highest values for biomass at MCK 1.40 and WCK 6.8 occurring in July, and the highest value at MCK 2.03 occurring in January (Fig. 6-1). Seasonal changes in biomass at MCK 1.40 largely reflected the seasonal changes of Trichoptera, while at MCK 2.03 and WCK 6.8 several taxa, particularly Trichoptera and Diptera, contributed to the seasonal changes (Fig. 6-3).

6.3.3 Community Structure

6.3.3.1 Taxonomic Richness

The number of taxa collected per sample at WCK 6.8 was almost two times greater than at either McCoy Branch site; this difference was statistically significant (Tables 6-1 and 6-2). Taxonomic richness at the two McCoy Branch sites was similar, although the much higher standard error at MCK 2.03 demonstrated that fluctuations in richness

Figure 6-1. Mean seasonal density (all taxa) and biomass (excluding Mollusca and Decapoda) of benthic macroinvertebrates in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990. Vertical bars are ± 1 SE.

Figure 6-2. Mean seasonal density (number of individuals/0.1 m²) for selected taxa in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990.

Figure 6-3. Mean seasonal biomass (mg wet wt./0.1 m²) for selected taxa in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990.

between sampling periods were considerable. In contrast, richness at MCK 1.40 and WCK 6.8 remained relatively stable.

Temporal changes in taxonomic richness were similar at MCK 1.40 and WCK 6.8, with each site exhibiting both increases and decreases through time (Fig. 6-4). In contrast, taxonomic richness at MCK 2.03 increased considerably through time, with the January 1990 value being four times as high as the value than in April 1989. Notwithstanding these between-site differences, all three sites exhibited peaks in richness in January.

6.3.3.2 EPT Richness

Mean Ephemeroptera, Plecoptera, and Trichoptera (EPT) richness for all sampling periods was significantly greater in WOC than in either McCoy Branch site (Tables 6-1 and 6-2). The mean number of EPT taxa at the WCK 6.8 site was three times that of either McCoy Branch site. Mean EPT richness at the two McCoy Branch sites was similar, although variability between sampling periods was considerably greater at MCK 2.03.

EPT taxa were collected from all sites during all sampling periods (Fig. 6-5). The richness of these taxa was particularly low at MCK 2.03 in April and July when an average of fewer than two EPT taxa were collected in each sample. As with taxonomic richness, the mean number of EPT taxa from WCK 6.8 was always higher than at either McCoy Branch site. The number of EPT taxa remained relatively stable through time at WCK 6.8 and MCK 1.40, while the greatest variability between sampling periods was exhibited at MCK 2.03.

6.3.3.3 Species Diversity

Spatial patterns in taxonomic diversity (H') were similar to those observed for taxonomic and EPT richness (Table 6-1); diversity was significantly higher at WCK 6.8 than at either McCoy Branch site while at the two McCoy Branch sites diversity was similar (Table 6-2). Also, as for taxonomic and EPT richness, diversity was highest at WCK 6.8 during all sampling periods (Fig. 6-6). Temporally, MCK 1.40 exhibited less dramatic fluctuations in diversity than the other two sites, staying close to 3.0 in all sampling periods (Fig. 6-6). The other two

Figure 6-4. Mean seasonal taxonomic richness (number of taxa/sample) of benthic macroinvertebrates in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990. Vertical bars are ± 1 SE.

Figure 6-5. Mean seasonal Ephemeroptera, Plecoptera, and Trichoptera (EPT) richness (number of taxa/sample) in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990. Vertical bars are ± 1 SE.

Figure 6-6. Mean seasonal diversity (H') of benthic macroinvertebrates in McCoy Branch (MCK) and White Oak Creek (WCK), April 1989 to January 1990. Vertical bars are ± 1 SE.

sites exhibited similar magnitudes of fluctuation between each sampling period although not the same patterns.

6.4 DISCUSSION

The benthic invertebrate community of McCoy Branch, which historically has received fly ash and bottom ash sluiced from the steam plant at the Oak Ridge Y-12 Plant, exhibited evidence of moderate degradation of water quality and/or physical habitat. Relative to the reference site on White Oak Creek (WCK 6.8), both McCoy Branch sites exhibited significantly lower values for taxonomic and EPT richness, and diversity. Additionally, both density and biomass were significantly lower at MCK 2.03 than at WCK 6.8 and MCK 1.40, suggesting that a greater degree of degradation exists upstream of Rogers Quarry. The most notable differences between the reference site and both McCoy Branch sites were in taxonomic and EPT richness; taxonomic richness was two times higher and EPT richness at least three times higher at WCK 6.8. The greater number of EPT taxa at WCK 6.8 is indicative of the overall health of this site, because EPT taxa generally tend to be very sensitive to alterations in water quality and physical habitat (e.g., Wiederholm 1984; Lenat 1984; Lenat 1988).

Smith (1988a; 1988b) found that the most highly-stressed invertebrate communities in streams on or near the DOE Oak Ridge Reservation (ORR) are usually comprised almost exclusively of chironomids and/or oligochaetes, while less pollution-tolerant taxa such as Ephemeroptera, Plecoptera, and Trichoptera are virtually absent. While EPT richness was reduced in McCoy Branch relative to WCK 6.8, EPT

taxa were collected during each sampling period from both sites. Although consistently lower than sites in other relatively undisturbed streams draining the south slope of Chestnut Ridge near ORNL (Smith 1991a), the EPT values from the McCoy Branch sites are comparable to those of a relatively undisturbed reach of Mitchell Branch (MIK 1.43) located just east of the Oak Ridge K-25 Site (Smith 1991b). This suggests that the degree of stress to the benthic macroinvertebrate community in McCoy Branch is relatively moderate. Greater stress at MCK 2.03 relative to MCK 1.40 is implied by the significantly lower values for density and biomass. However, all parameters exhibited substantial increases at MCK 2.03 during the last two sampling periods which suggests that recovery related to improvements in water quality and/or physical habitat may have begun. These community changes may have been the result of several measures taken at the Y-12 steam plant since 1988 which have improved the water quality and reduced the quantity of coal ash discharged to McCoy Branch (see Sect. 2.2.1 and 2.2.2). Continued monitoring should determine if this trend at MCK 2.03 is the result of remedial actions or is a response to other unidentified environmental factors.

Relatively high conductivity measurements in McCoy Branch ($> 500 \mu\text{S}/\text{cm}$, J. G. Smith, Environmental Sciences Division, ORNL, unpublished data) in April 1989 suggest that the concentration of dissolved solids may have been elevated. Lower conductivity values in McCoy Branch after April may reflect a reduction in the use of coal and subsequently, the quantity of ash produced at the Y-12 steam plant starting during winter 1988 with a further seasonal reduction by April 1989 (see Sect. 2.2.2). Depending upon the flow, some flushing of deposited ash may have

occurred downstream of the ash pond such that the concentration in the stream has decreased with time. Further sampling will verify if there is a trend toward lower conductivity.

The composition and structure of the benthic community in McCoy Branch downstream of the ash pond appear to be responding to both physical and chemical stress. Suspended solids, resulting from ash transport downstream of the ash pond, may be a major perturbation at MCK 2.03. Within Rogers Quarry, settling occurs so that the downstream load of suspended solids is reduced. Considerable deposits of coal ash were evident along and within the streambed at MCK 2.03 at the beginning of this project, while the presence of coal ash in lower McCoy Branch was much less evident (Sect. 2.2.4 and J. G. Smith, Environmental Sciences Division, ORNL, personal observation). Deposited solids can adversely affect organisms either directly by obstructing food collection and/or respiration, or indirectly by reducing food availability (Hynes 1970). Suspended solid deposition and sediment accumulation have been shown to decrease the density and biomass of benthic invertebrates by as much as 60% (Gammon 1970) and have been shown to reduce diversity by eliminating stress-sensitive taxa (Mackenthun 1973; Wiederholm 1984). The deposition of fine-grained material also can provide a substrate favorable for colonization by taxa tolerant of these conditions such as chironomids (Wiederholm 1984). This may partially explain the prevalence of chironomids at MCK 2.03 compared to the other two sites.

In addition to deposited solids, some metals have historically occurred in elevated concentrations in McCoy Branch with higher levels above Rogers Quarry (Sect. 2.2.2, Table A-3, A-4, A-5, and A-6, Fig. 2-4

and 2-5). Of the metals measured, arsenic and selenium have the greater potential for impacts on aquatic life.

Studies by Elwood in the 1970s (R. R. Turner, Environmental Sciences Division, ORNL, personal communication) showed elevated levels of arsenic in aquatic insects in McCoy Branch. Water quality samples taken between July 1986 and July 1990 show that the levels of arsenic in McCoy Branch exceeded the recommended maximum concentration (50 $\mu\text{g/L}$) for protection of aquatic life (EPA 1976) from July 1986 until approximately July 1989. Levels of arsenic in McCoy Branch above 50 $\mu\text{g/L}$ also occurred periodically from January 1990 through approximately May 1990 (Fig. 2-4).

Levels of selenium in McCoy Branch consistently exceeded 10 $\mu\text{g/L}$ from July 1986 through approximately January 1989. Maximum levels for protection of aquatic life are 260 $\mu\text{g/L}$ for acute exposure and 35 $\mu\text{g/L}$ for chronic exposure; however, concentrations of 5 $\mu\text{g/L}$ have been shown to adversely effect fish production (RFI 1987). From April 1989 to January 1990 levels of selenium in McCoy Branch ranged from near zero to 10 $\mu\text{g/L}$ with an average of approximately 5 $\mu\text{g/L}$ (Fig. 2-5). It is possible that one or both of these metals could have an adverse effect on the benthic community in McCoy Branch. The low density and richness of sensitive taxa, particularly mayflies that are generally very sensitive to metal pollution (Wiederholm 1984), and the relatively high percent composition of chironomids indicate that the benthic macroinvertebrate community in McCoy Branch may be responding to long-term exposure to elevated levels of these or other potential toxicants.

Finally, the magnitude of seasonal change of all parameters was most similar between MCK 1.40 and the reference site (WCK 6.8). This implies that environmental conditions were more stable at MCK 1.40 than at MCK 2.03, which may be a reflection of Rogers Quarry functioning as a settling basin for both sediments and associated chemical contaminants. However, impoundments have been shown to alter chemical and physical conditions of streams, which in turn, alter the benthic invertebrate community (Ward and Stanford 1979). Thus, while reducing the impacts associated with coal ash, the quarry itself alters natural conditions which lead to alterations in the benthic invertebrate community. Future changes in the benthic community at MCK 1.40 in response to remedial actions may be mediated by the presence of the quarry.

6.5 CONCLUSIONS

The structure and composition of the benthic macroinvertebrate community in McCoy Branch are indicative of moderate stress. Maximum impact within this stream occurs upstream of Rogers Quarry as was exemplified by the significantly higher density and biomass at MCK 1.40 compared to MCK 2.03. Some improvement in water quality was evident downstream of the quarry, as demonstrated by significant increases in density and biomass of the benthic community at MCK 1.40. However, significantly lower values for taxonomic and EPT richness, and diversity at this site, compared to the reference site, indicate some impact. At MCK 2.03, substantial increases were observed in density, biomass, and taxonomic and EPT richness, particularly during the October and January sampling periods, suggesting that improvements in water quality may be occurring. The cause of the stress on the benthic macroinvertebrate

community in McCoy Branch, at least upstream of Rogers Quarry, is most likely the result of several factors related to the long-term discharge of coal ash from the Y-12 steam plant. The benthos, particularly upstream of the quarry (MCK 2.03), appears to be responding to habitat alteration as the result of ash deposition within the stream channel and possibly to leaching of potential toxicants (e.g., arsenic and selenium) from the ash. The benthic community at MCK 2.03 should recover as coal fines are removed from the streambed; however, recovery may be slowed by the loss of supplemental flow in the upper reaches of McCoy Branch which may increase the time required for natural cleansing of the stream.

Rogers Quarry acts as a settling basin for coal ash transported downstream from the ash pond, thereby diminishing the impact of ash deposition on the benthic community downstream of the quarry. The benthic community at MCK 1.40 did not exhibit the temporal trends in increased density, biomass, or taxonomic and EPT richness shown by MCK 2.03, suggesting that this community may not be experiencing similar changes in water quality. Although Rogers Quarry appears to reduce the impacts associated with ash deposition, this impoundment likely alters the physical and chemical environment downstream, which in turn alters the invertebrate community. Finally, it is possible that the direct discharge of ash to the quarry (initiated in May 1990) may cause the quarry to act as a more immediate source of toxicants through leaching of metals from the ash that may impact the benthic community at MCK 1.40.

6.6 FUTURE STUDIES

The current sampling program for benthic macroinvertebrates will continue. As for WCK 6.8, the snail *Elimia* is a prominent member of the benthic macroinvertebrate communities of several streams draining the south slope of Chestnut Ridge and on the ORR (Smith 1988b; Smith 1990). However, there are also some relatively undisturbed streams in these same areas that do not contain snails (Smith 1988b; Smith 1990). There are no historical data on the benthic macroinvertebrates of McCoy Branch, thus it is not known if *Elimia* have ever occurred in this stream. Therefore, an additional reference stream without snails (Fifth Creek, FFK 1.0) will be included in future analyses which will allow comparisons of McCoy Branch to reference streams with and without snails. This sampling program will provide a comprehensive characterization of the benthic community in McCoy Branch and an extensive data base which will allow documentation of the response of the benthic community as changes in water quality occur as a result of remedial actions. The continued sampling program will provide further comparison of the benthic community at MCK 1.40 before and after direct discharge of bottom ash to Rogers Quarry and will document the response of the benthic community at MCK 2.03 to the absence of ash discharge from the Y-12 Plant.

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APPENDIX A

WATER QUALITY DATA FOR MCCOY BRANCH WATERSHED
FOR 1974 TO 1990

Appendix A

Table A-1. Water quality data collected in 1984 for two sites in the McCoy Branch watershed. The upstream site is located between the ash pond and Rogers Quarry. The downstream site is located below Rogers Quarry. Data for some sites were not available (NA). Sources: P. J. Pullium (1985a and 1985b), U.S.G.S. Reports 85-165 and 85-553.

Parameter	April & June 1984		Sept. 1984
	Upstream	Downstream	Downstream
	Site	Site	Site
Temperature(°C)	12.5	12.0	19.0
Specific Conductance ($\mu\text{S}/\text{cm}$)	360	324	250
Alkalinity field (mg/L as CaCO_3)	NA	NA	78
Oxygen, Dissolved (mg/L)	NA	12.6	9.5
Instantaneous Discharge (L/s)	7.7	87.8	50.9
Calcium, Dissolved (mg/L as Ca)	41	40	32
Magnesium, Dissolved (mg/L as Mg)	13	9.7	7
Sodium, Dissolved (mg/L as Na)	2.5	3.3	3.3
Potassium, Dissolved (mg/L as Na)	4.5	3.1	3.2
Alkalinity Lab (mg/L as CaCO_3)	143	111	NA
Chloride, Dissolved (mg/L as Cl)	2.7	3.8	3.6
Sulfate, Dissolved (mg/L as SO_4)	34	48	50
Nitrogen, NO_2+NO_3 Dissolved (mg/L as N)	0.100	<0.1	3.2
Nitrogen, Ammonia Dissolved (mg/L as N)	NA	NA	<0.01
Nitrogen, Ammonia + Organic Total (mg/L as N)	NA	NA	0.50
Phosphorus, Ortho-Dissolved (mg/L as P)	NA	NA	0.02
Phosphorus, Dissolved (mg/L as P)	0.030	0.080	<0.01
Phosphorus, Total (mg/L as P)	NA	NA	0.04
Solids Residue at 180 °C, Dissolved (mg/L)	231	204	166

Appendix A (continued)

Table A-1 (continued)

Parameter	April & June 1984		Sept. 1984
	Upstream	Downstream	Downstream
	Site	Site	Site
Arsenic, Total ($\mu\text{g/L}$ as As)	NA	NA	110
Barium, Total Recoverable ($\mu\text{g/L}$ as Ba)	100	100	100
Beryllium, Total Recoverable ($\mu\text{g/L}$ as Be)	<10	<10	<10
Cadmium, Total Recoverable ($\mu\text{g/L}$ as Cd)	<1	<1	<1
Chromium, Total Recoverable ($\mu\text{g/L}$ as Cr)	3	7	<1
Cobalt, Total Recoverable ($\mu\text{g/L}$ as Co)	NA	NA	<1
Copper, Total Recoverable ($\mu\text{g/L}$ as Cu)	1	4	1
Cyanide, Total (mg/L as CN)	<0.01	<0.01	<0.01
Iron, Total Recoverable ($\mu\text{g/L}$ as Fe)	1600	290	390
Lead, Total Recoverable ($\mu\text{g/L}$ as Pb)	5	5	3
Lithium, Total Recoverable ($\mu\text{g/L}$ as Li)	90	90	70
Manganese, Total Recoverable ($\mu\text{g/L}$ as Mn)	1000	50	20
Mercury, Total Recoverable ($\mu\text{g/L}$ as Hg)	<0.1	<0.1	<0.1
Molybdenum, Total Recoverable ($\mu\text{g/L}$ as Mo)	11	32	35
Nickel, Total Recoverable ($\mu\text{g/L}$ as Ni)	NA	NA	1
Selenium, Total ($\mu\text{g/L}$ as Se)	NA	NA	8
Strontium, Total Recoverable ($\mu\text{g/L}$ as Sr)	770	230	250
Uranium, Natural Dissolved ($\mu\text{g/L}$ as U)	1.0	2.5	2.2
Vanadium, Dissolved ($\mu\text{g/L}$ as V)	<1	30	23
Zinc, Total Recoverable ($\mu\text{g/L}$ as Zn)	20	20	10
Carbon, Organic Total (mg/L as C)	.40	.70	NA

Appendix A (continued)

Table A-1 (continued)

Parameter	April & June		Sept.
	1984		1984
	Upstream Site	Downstream Site	Downstream Site
Carbon, Organic Dissolved (mg/L as C)	NA	NA	2.7
Cobalt, Total Recoverable ($\mu\text{g/L}$)	10	1	NA
Gross Alpha, Dissolved ($\mu\text{g/L}$ as U-NAT)	NA	<4.6	<4.3
Gross Alpha, Susp. Total ($\mu\text{g/L}$ as U-NAT)	NA	2.4	0.8
Gross Beta, Dissolved (pCi/L as Cs-137)	NA	<2.6	2.6
Gross Beta, Dissolved (pCi/L as Sr/Y-90)	NA	<2.2	2.2
Gross Beta, Susp. Total (pCi/L as Cs-137)	NA	1.9	0.7
Gross Beta, Susp. Total (pCi/L as Sr/Y-90)	NA	1.7	0.6

Table A-2. Water analyses for McCoy Branch, November 1974 to March 1975. Stations 1 (200 m above Rogers Quarry), 2 (200 m below the quarry) and C (Control site on western branch of McCoy Branch). Dis = dissolved; Sus = suspended; all parameters in mg/L. Source: ERDA 1975.

Parameter	Sample month/station						
	Nov 1	Nov 2	Nov 2	Dec C	Dec 2	Jan 2	Mar 2
Temp (°C)	11	10	12	12	10	9	9
Turbidity ^a			5.0	15.0	6.0	12.0	9.5
Sus solids	17500	13	27	100	37	40	22
Dis solids	253	182	159	101	130	188	118
Dis oxygen	6.4	9.1	7.2	10.5	10.6	9.2	11.2
pH	7.53	7.74	7.39	6.73	7.43	7.65	8.02
Alkalinity	48	80	82	81	55	6	
Hardness ^b	151	126	121	81	90	113	101
Al - Dis	0.15	<0.05	<0.05			<0.05	<0.05
Al - Sus	171.0	0.24	0.52			0.49	0.20
Cd - Dis	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cd - Sus	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cr - Dis	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cr - Sus	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cu - Dis	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cu - Sus	0.500	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Mn - Dis	0.020	0.010	0.020	<0.010	0.019	0.015	
Mn - Sus	0.580	<0.010	<0.010	0.055	0.010	0.018	

Table A-2 (continued)

Parameter	Sample month/station						
	Nov 1	Nov 2	Nov 2	Dec C	Dec 2	Jan 2	Mar 2
Pb - Dis	<0.010	<0.010	0.020	0.017	0.021	0.010	<0.010
Pb - Sus	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zn - Dis			0.07			0.07	
Zn - Sus			<0.02			<0.02	
Hg	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
U			<0.01	<0.01	<0.01	<0.01	<0.01
NO ₃			<1.0	1.4	0.7	<0.9	2.4
PO ₄			1.1	2.0	2.2	1.0	1.3
SO ₄				30	94	60	32
B	0.10	0.06	0.06	0.10	0.15	0.06	0.06
Ba	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Ca	6	6	6	10	2	3	6
K	1.0	0.4	0.4	<0.2	<0.2	0.6	0.4
Mg	1.0	1.0	1.0	2.0	0.4	1.8	1.5
Na	0.50	0.20	<0.01	0.15	0.08	<1.00	0.30
Ni	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Si	0.20	3.00	0.40	1.00	0.15	0.40	0.40

^aTurbidity as SiO₂.^bHardness as CaCO₃.

Table A-3. Concentrations (mean values) and mass loadings of non-metal pollutants. 'Less than' prefixes have been ignored in calculating mean concentration values. Source: Turner et al. 1986.

Non-metals	Intake water		MBK 1.17 (Ash sluice) ^a		Spring	
	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)
CHLORINE, TOTAL RESIDUAL	1.150	7.935	0.07	0.5	0.000	0.000
SULFIDE (HACH HS-7)	0.000	0.000	0.00	0.0	0.000	0.000
SULFITE (AS SO ₃)	0.500	3.450	0.43	3.0	0.400	0.319
TOTAL SUSPENDED SOLIDS	18.667	128.800	9919.20	68442.5	39.400	31.394
TOTAL ALKALINITY	108.333	747.500	40.00	276.0	135.000	107.568
SULFATE (AS SO ₄)	26.333	181.700	253.90	1751.9	57.600	45.896
CHLORIDE	6.730	46.437	6.33	43.7	4.026	3.208
FLUORIDE	0.500	3.450	1.05	7.3	0.500	0.398
BROMIDE	1.000	6.900	1.00	6.9	1.000	0.797
NITRATE-NITRITE NITROGEN	0.330	2.277	0.15	1.1	0.010	0.008
AMMONIA NITROGEN	0.100	0.690	0.15	1.0	0.100	0.080
TOTAL KJELDAHL NITROGEN	0.220	1.518	0.98	6.8	0.200	0.159
PHOSPHORUS, TOTAL (AS P)	0.240	1.656	16.75	115.6	0.380	0.303
TOTAL ORGANIC CARBON (TOC)	1.600	11.040	0.50	2.7	0.500	0.398
PHENOLS, TOTAL	0.001	0.007	0.00	0.0	0.001	0.001
CYANIDE, TOTAL	0.002	0.011	0.00	0.0	0.001	0.001
OIL AND GREASE	2.000	13.800	2.44	16.9	2.250	1.793
SULFIDE (AS S)	0.133	0.920	22.24	153.5	0.100	0.080
BIOLOGICAL OXYGEN DEMAND (BOD)	5.000	34.500	6.00	41.4	5.000	3.984
CHEMICAL OXYGEN DEMAND (COD)	6.333	43.700	4.90	33.8	3.000	2.390

^aSite is equivalent to MCK 2.65.

Table A-4. Concentrations (mean values) and mass loadings of total metals.
 'Less than' prefixes have been ignored in calculating mean concentration values.
 Source: Turner et al. 1986.

Total metals	Intake water		MBK 1.17 (Ash sluice) ^a		Spring	
	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)
ALUMINUM	0.1000	0.690	310.000	2139.00	0.0200	0.0159
ANTIMONY	0.0200	0.138	0.280	1.93	0.0200	0.0159
BARIUM	0.0440	0.304	0.533	3.68	0.0740	0.0590
BERYLLIUM	0.0002	0.001	0.057	0.40	0.0002	0.0002
BORON	0.0080	0.055	1.500	10.35	0.3300	0.2629
CADMIUM	0.0005	0.003	0.010	0.07	0.0005	0.0004
CALCIUM	35.0000	241.500	142.667	984.40	48.0000	38.2464
CHROMIUM	0.0040	0.028	0.253	1.75	0.0040	0.0032
COBALT	0.0010	0.007	0.141	0.98	0.0032	0.0025
COPPER	0.0350	0.241	0.983	6.78	0.0020	0.0016
GALLIUM	0.0300	0.207	0.420	2.90	0.0300	0.0239
IRON	0.3300	2.277	133.333	920.00	0.4300	0.3426
LEAD	0.0200	0.138	0.367	2.53	0.0200	0.0159
LITHIUM	0.0250	0.172	2.533	17.48	0.3000	0.2390
MAGNESIUM	9.1000	62.790	32.667	225.40	14.0000	11.1552
MANGANESE	0.0360	0.248	0.903	6.23	0.5300	0.4223
MOLYBDENUM	0.0040	0.028	0.167	1.15	0.0100	0.0080
NICKEL	0.0060	0.041	0.353	2.44	0.0060	0.0048
SILICON	1.9000	13.110	2.417	16.67	4.4000	3.5059
SILVER	0.0050	0.034	0.087	0.60	0.0050	0.0040
SODIUM	8.6000	59.340	20.000	138.00	6.8000	5.4182
STRONTIUM	0.0670	0.462	7.900	54.51	0.9100	0.7251
TIN	0.0050	0.034	0.105	0.72	0.0050	0.0040
TITANIUM	0.0020	0.014	8.033	55.43	0.0044	0.0035
VANADIUM	0.0024	0.017	1.647	11.36	0.0024	0.0019
ZINC	0.0020	0.014	0.453	3.13	0.0020	0.0016
ZIRCONIUM	0.0020	0.014	0.091	0.63	0.0020	0.0016
ARSENIC (AAS)	0.0050	0.034	4.933	34.04	0.0300	0.0239
MERCURY (AAS)	.	.	0.009	0.06	0.0001	0.0001
SELENIUM (AAS)	0.0050	0.034	0.243	1.68	0.0050	0.0040
THALLIUM (AAS)	0.0010	0.007	0.120	0.83	0.0010	0.0008
POTASSIUM	1.7000	11.730	43.500	300.15	6.2000	4.9402
URANIUM	0.0100	0.069	0.010	0.07	0.0100	0.0080

^aSite is equivalent to MCK 2.65.

Table A-5. Concentrations (mean values) and mass loadings of total recoverable metals. 'Less than' prefixes have been ignored in calculating mean concentration values.
Source: Turner et al. 1986.

Total recoverable metals	Intake water		MBK 1.17 (Ash sluice) ^a		Spring	
	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)
ALUMINUM	0.1905	1.314	228.857	1579.11	0.1607	0.1281
ANTIMONY	0.1100	0.759	0.187	1.29	0.1100	0.0876
BARIUM	0.0300	0.207	3.086	21.29	0.0722	0.0576
BERYLLIUM	0.0011	0.008	0.038	0.26	0.0015	0.0012
BORON	0.0440	0.304	1.814	12.52	0.2750	0.2191
CADMIUM	0.0027	0.019	0.005	0.03	0.0040	0.0032
CALCIUM	37.0000	255.300	151.429	1044.86	45.5000	36.2544
CHROMIUM	0.0220	0.152	0.224	1.55	0.0317	0.0252
COBALT	0.0055	0.038	0.098	0.68	0.0080	0.0064
COPPER	0.0133	0.092	0.720	4.97	0.0155	0.0124
GALLIUM	0.1650	1.138	0.280	1.93	0.1650	0.1315
IRON	0.2250	1.552	141.571	976.84	0.5275	0.4203
LEAD	0.1100	0.759	0.263	1.81	0.1550	0.1235
LITHIUM	0.1100	0.759	2.650	18.28	0.2050	0.1633
MAGNESIUM	9.7000	66.930	29.714	205.03	13.5000	10.7568
MANGANESE	0.0755	0.521	0.616	4.25	0.4825	0.3845
MOLYBDENUM	0.0220	0.152	0.233	1.61	0.0323	0.0257
NICKEL	0.0330	0.228	0.260	1.79	0.0465	0.0371
SILICON	0.8600	5.934	19.214	132.58	5.2350	4.1712
SILVER	0.0275	0.190	0.047	0.33	0.0387	0.0309
SODIUM	6.2000	42.780	33.143	228.69	4.1500	3.3067
STRONTIUM	0.1025	0.707	5.033	34.73	0.9700	0.7729
TIN	0.0275	0.190	0.047	0.32	0.0275	0.0219
TITANIUM	0.0110	0.076	5.767	39.79	0.0110	0.0088
VANADIUM	0.0061	0.042	1.321	9.12	0.0080	0.0064
ZINC	0.0170	0.117	0.396	2.73	0.0169	0.0135
ZIRCONIUM	0.0110	0.076	0.061	0.42	0.0110	0.0088
ARSENIC (AAS)	0.0050	0.034	2.971	20.50	0.0265	0.0211
MERCURY (AAS)	0.0001	0.001	0.010	0.07	0.0001	0.0001
SELENIUM (AAS)	0.0050	0.034	0.189	1.30	0.0050	0.0040
THALLIUM (AAS)	0.0010	0.007	0.057	0.39	0.0010	0.0008
POTASSIUM	1.8000	12.420	60.400	416.76	4.9750	3.9641
URANIUM	0.0100	0.069	0.023	0.16	0.0550	0.0438

^aSite is equivalent to MCK 2.65.

Table A-6. Concentrations (mean value), and mass loadings of total dissolved metals.
 'Less than' prefixes have been ignored in calculating mean concentration values.
 Source: Turner et al. 1986.

Total dissolved metals	Intake water		MBK 1.17 (Ash sluice) ^a		Spring	
	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)	Concentration (mg/L)	Mass (lbs/day)
ALUMINUM	0.200	1.380	0.8667	5.980	0.200	0.1594
ANTIMONY	0.200	1.380	0.2000	1.380	0.200	0.1594
BARIUM	0.034	0.235	0.1767	1.219	0.082	0.0653
BERYLLIUM	0.002	0.014	0.0020	0.014	0.002	0.0016
BORON	0.080	0.552	0.9733	6.716	0.400	0.3187
CADMIUM	0.005	0.034	0.0050	0.034	0.005	0.0040
CALCIUM	37.000	255.300	89.6667	618.700	55.000	43.8240
CHROMIUM	0.040	0.276	0.0400	0.276	0.040	0.0319
COBALT	0.010	0.069	0.0100	0.069	0.010	0.0080
COPPER	0.020	0.138	0.0200	0.138	0.020	0.0159
GALLIUM	0.300	2.070	0.3000	2.070	0.300	0.2390
IRON	0.200	1.380	0.2000	1.380	0.200	0.1594
LITHIUM	0.200	1.380	1.4200	9.798	0.200	0.1594
MAGNESIUM	11.000	75.900	12.3333	85.100	16.000	12.7488
MANGANESE	0.005	0.034	0.0203	0.140	0.480	0.3825
MOLYBDENUM	0.040	0.276	0.3033	2.093	0.040	0.0319
NICKEL	0.060	0.414	0.0600	0.414	0.060	0.0478
SILICON	1.200	8.280	1.5667	10.810	7.700	6.1354
SILVER	0.050	0.345	0.0500	0.345	0.050	0.0398
SODIUM	7.300	50.370	15.6667	108.100	3.900	3.1075
STRONTIUM	0.120	0.828	0.8167	5.635	1.000	0.7968
TIN	0.050	0.345	0.0500	0.345	0.050	0.0398
TITANIUM	0.020	0.138	0.0200	0.138	0.020	0.0159
VANADIUM	0.010	0.069	0.0873	0.603	0.011	0.0088
ZINC	0.020	0.138	0.0200	0.138	0.020	0.0159
ZIRCONIUM	0.020	0.138	0.0200	0.138	0.020	0.0159
ARSENIC (AAS)	0.005	0.034	0.3567	2.461	0.020	0.0159
MERCURY (AAS)	.	.	.	.	.	.
SELENIUM (AAS)	0.005	0.034	0.0227	0.156	0.005	0.0040
THALLIUM (AAS)	0.001	0.007	0.0010	0.007	0.001	0.0008
POTASSIUM	1.700	11.730	17.0000	117.300	5.400	4.3027
URANIUM	0.010	0.069	0.0100	0.069	0.010	0.0080

^aSite is equivalent to MCK 2.65.

Appendix A (continued)

Table A-7. Sample types and locations for surface water, ground water, coal ash, and floodplain sediment samples of McCoy Branch, July 30 - October 17, 1990.
Source: CH2M Hill (1991).

Dry Weather Surface Water Sampling, July 30, 1990		
Sample #	Approximate Stream Location	Sample Type
S3	MCK 2.62	Environmental - Aqueous
S4	MCK 2.52	Environmental - Aqueous
S5	MCK 1.92	Environmental - Aqueous
S6	MCK 1.92	Duplicate of S5

Wet Weather Water Sampling, October 8, 1990 ^a		
Sample #	Approximate Stream Location	Sample Type
WW-S1	MCK 1.92	Environmental - Aqueous
WW-S3	MCK 2.62	Environmental - Aqueous
WW-S4	MCK 2.52	Environmental - Aqueous
WW-S6	---	Field Blank - Aqueous
WW-S7	---	Equipment Blank - Aqueous

Ground Water Sampling			
Sample #	Location	Approximate Stream Location ^b	Sample Date
5000	GW-321	MCK 2.62	16OCT90
5001	GW-672	MCK 2.61	15OCT90
5002	GW-673	MCK 2.40	16OCT90
5003	GW-674	MCK 2.38	16OCT90
5004	GW-676	MCK 2.14	17OCT90
5005	GW-676	MCK 2.14	17OCT90
5006	GW-676	MCK 2.14	17OCT90
5007	GW-672	MCK 2.61	15OCT90

Appendix A (continued)

Table A-7 (continued)

Sample #	Location	Ash/Soil Sampling		
		Approximate Stream Location ^b	Sample Type ^c	
A1-S1	A1	MCK 2.38	Environmental Soil	(0-6" BL)
A1-S2	A1	MCK 2.38	Environmental Soil	(6-12" BL)
A2-A	A2	MCK 2.62	Environmental Soil	(ASH)
A2-S1	A2	MCK 2.62	Environmental Soil	(0-6" BA)
A3-A	A3	MCK 2.52	Environmental Soil	(ASH)
A3-S1	A3	MCK 2.52	Environmental Soil	(0-6" BA)
A3-S2	A3	MCK 2.52	Environmental Soil	(6-12" BA)
A4-A	A4	MCK 2.40	Environmental Soil	(ASH)
A4-S1	A4	MCK 2.40	Environmental Soil	(0-6" BA)
A4-S2	A4	MCK 2.40	Environmental Soil	(6-12" BA)
A5-A	A5	MCK 2.10	Environmental Soil	(ASH)
A5-S1	A5	MCK 2.10	Environmental Soil	(0-6" BA)
A5-S2	A5	MCK 2.10	Environmental Soil	(6-12" BA)
A6-A	A6	MCK 1.97	Environmental Soil	(ASH)
A6-S1	A6	MCK 1.97	Environmental Soil	(0-6" BA)
A6-S2	A6	MCK 1.97	Environmental Soil	(6-12" BA)

Appendix A (continued)

Table A-7 (continued)

Sample #	Location	Ash/Soil Sampling		
		Approximate Stream Location ^b	Sample Type ^c	
A7-A	A3	MCK 2.52	Environmental Soil	(ASH)
A7-S1	A3	MCK 2.52	Environmental Soil	(0-6" BA)
A7-S2	A3	MCK 2.52	Environmental Soil	(6-12" BA)

^a Wet weather sample taken after a 4.5 cm rain event, measured at the gage at Rogers Quarry.

^b Location in terms of stream kilometers; actual sample sites are located in floodplain and may be several meters east or west from stream kilometer.

^cBA = Below ash; BL = Below land

Appendix A (continued)

Table A-8. Concentrations of volatile organic compounds measured
in surface water samples of McCoy Branch, July 30, 1990.
Source: CH2M Hill (1991).

Compound $\mu\text{g/L}$	Site			
	MCK 2.62	MCK 2.52	MCK 1.92	MCK 1.92 ^a
1,1-Dichloroethane	5	5	5	5
1,1-Dichloroethene	5	5	5	5
1,1,1-Trichloroethane	5	5	5	5
1,1,2-Trichloroethane	5 UJ ^b	5 UJ	5 UJ	5 UJ
1,1,2,2-Tetrachloroethane	5	5	5	5
1,2-Dichloroethane	5	5	5	5
1,2-Dichloroethane-d4 ^c	49.5	48.5	49.1	49.2
1,2-Dichloroethene (Total)	5	5	5	5
1,2-Dichloropropane	5	5	5	5
2-Butanone	10	10	10	10
2-Hexanone	10	10	10	10
4-Methyl-2-Pentanone	10	10	10	10
Acetone	7 UJ	6 UJ	19 UJ	5 UJ
Benzene	5	5	5	5
Bromodichloromethane	5	5	5	5
Bromofluorobenzene ^c	53.9	57.4	53.6	52.5
Bromoform	5 UJ	5 UJ	5 UJ	5 UJ
Bromomethane	10	10	10	10
Carbon Disulfide	5	5	5	5
Carbon Tetrachloride	5	5	5	5
Chlorobenzene	5	5	5	5
Chloroethane	10	10	10	10
Chloroform	5	5	5	5
Chloromethane	10	10	10	10
cis-1,3-Dichloropropene	5 UJ	5 UJ	5 UJ	5 UJ
Dibromochloromethane	5 UJ	5 UJ	5 UJ	5 UJ
Ethylbenzene	5	5	5	5
Methylene Chloride	5	5	5	5
Styrene	5	5	5	5
Tetrachloroethene	5	5	5	5
Toluene	5	5	5	5
Toluene-d8 ^c	54.4	54.9	53.8	53.5
Total Xylenes	5	5	5	5

Appendix A (continued)

Table A-8 (continued)

Compound $\mu\text{g/L}$	Site			
	MCK 2.62	MCK 2.52	MCK 1.92	MCK 1.92 ^a
trans-1,3-Dichloropropene	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	5	5	5	5
Vinyl Chloride	10	10	10	10
Vinyl Acetate	2 UJ	2 UJ	2 UJ	2 UJ

^aDuplicate samples^bU = undetected - below method detection level; J = estimated value.^cTentatively identified compounds

Appendix A (continued)

Table A-9. Concentrations of semivolatile organic compounds measured in surface water samples from McCoy Branch, July 30, 1990. Source: CH2M Hill (1991).

Compound μg/L	MCK 2.62	MCK 2.52	MCK 1.92	MCK 1.92 ^a
1,2-Dichlorobenzene	10	10 UJ ^b	10 UJ	10 UJ
1,2,4-Trichlorobenzene	10 U	10 UJ	10 UJ	10 UJ
1,3-Dichlorobenzene	10 U	10 UJ	10 UJ	10 UJ
1,4-Dichlorobenzene	10	10 UJ	10 UJ	10 UJ
2-Chloronaphthalene	10 U	10 UJ	10 UJ	10 UJ
2-Chlorophenol	R ^b	R	10 UJ	10 UJ
2-Methylnaphthalene	10 U	10 UJ	10 UJ	10 UJ
2-Methylphenol	R	R	10 UJ	10 UJ
2-Nitroaniline	50	50 UJ	50 UJ	50 UJ
2-Nitrophenol	R	R	10 UJ	10 UJ
2,4-Dichlorophenol	R	R	10 UJ	10 UJ
2,4-Dimethylphenol	R	R	10 UJ	10 UJ
2,4-Dinitrophenol	R	R	50 UJ	50 UJ
2,4-Dinitrotoluene	10	10 UJ	10 UJ	10 UJ
2,4,5-Trichlorophenol	R	R	50 UJ	50 UJ
2,4,6-Trichlorophenol	R	R	10 UJ	10 UJ
2,6-Dinitrotoluene	10 U	10 UJ	10 UJ	10 UJ
3-Nitroaniline	50 U	50 UJ	50 UJ	50 UJ
3,3'-Dichlorobenzidine	20	20 UJ	20 UJ	20 UJ
4-Bromophenyl-phenylether	10	10 UJ	10 UJ	10 UJ
4-Chloro-3-methylphenol	R	R	10 UJ	10 UJ
4-Chloroaniline	10	10 UJ	10 UJ	10 UJ
4-Chlorophenyl-phenylether	10	10 UJ	10 UJ	10 UJ
4-Methylphenol	R	R	10 UJ	10 UJ
4-Nitroaniline	50	50 UJ	50 UJ	50 UJ
4-Nitrophenol	R	R	50 UJ	50 UJ
4,6-Dinitro-2-methylphenol	R	R	50 UJ	50 UJ

Appendix A (continued)

Table A-9 (continued)

Compound μg/L	MCK 2.62	MCK 2.52	MCK 1.92	MCK 1.92 ^a
Acenaphthene	10 U	10 UJ	10 UJ	10 UJ
Acenaphthylene	10	10 UJ	10 UJ	10 UJ
Anthracene	10	10 UJ	10 UJ	10 UJ
Benzo(a)pyrene	10	10 UJ	10 UJ	10 UJ
Benzo(a,h)anthracene	10	10 UJ	10 UJ	10 UJ
Benzo(b)fluoranthene	10	10 UJ	10 UJ	10 UJ
Benzo(g,h,i)perylene	10	10 UJ	10 UJ	10 UJ
Benzo(k)fluoranthene	10	10 UJ	10 UJ	10 UJ
Benzoic Acid	R	R	50 UJ	50 UJ
Benzyl Alcohol	10	10 UJ	10 UJ	10 UJ
bis(2-Chloroethoxy)methane	10 U	10 UJ	10 UJ	10 UJ
bis(2-Chloroethyl) Ether	10 U	10 UJ	10 UJ	10 UJ
bis(2-chloroisopropyl)ether	10 UJ	10 UJ	10 UJ	10 UJ
bis(2-Ethylhexyl)phthalate	10 UJ	10 UJ	10 UJ	10 UJ
Butylbenzylphthalate	10 UJ	10 UJ	10 UJ	10 UJ
Chrysene	10 UJ	10 UJ	10 UJ	10 UJ
Di-n-butylphthalate	10 UJ	10 UJ	10 UJ	10 UJ
Di-n-octylphthalate	10 UJ	27 J	10 UJ	10 UJ
Dibenz(a,h)anthracene	10 UJ	10 UJ	10 UJ	10 UJ
Dibenzofuran	10 UJ	10 UJ	10 UJ	10 UJ
Diethylphthalate	10 UJ	10 UJ	10 UJ	10 UJ
Dimethylphthalate	10 UJ	10 UJ	10 UJ	10 UJ
Fluoranthene	10 UJ	10 UJ	10 UJ	10 UJ
Fluorene	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorethane	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorobenzene	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorocyclobutadiene	10 UJ	10 UJ	10 UJ	10 UJ
Hexachlorocyclopentadiene	10 UJ	10 UJ	10 UJ	10 UJ
Hexane, 3-methoxy		4.87 UJ		

Appendix A (continued)

Table A-9 (continued)

Compound μg/L	MCK 2.62	MCK 2.52	MCK 1.92	MCK 1.92 ^a
Indeno(1,2,3-cd)pyrene	10 UJ	10 UJ	10 UJ	10 UJ
Isophorone	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitrose-Di-n-propylamine	10 UJ	10 UJ	10 UJ	10 UJ
N-Nitrosodiphenylamine (1)	10 UJ	10 UJ	10 UJ	10 UJ
Napthalene	10 UJ	10 UJ	10 UJ	10 UJ
Nitrobenzene	10 UJ	10 UJ	10 UJ	10 UJ
Pentachlorophenol	R	R	50 UJ	50 UJ
Phenanthrene	10 UJ	10 UJ	10 UJ	10 UJ
Phenol	R	R	10 UJ	10 UJ
Pyrene	10 UJ	10 UJ	10 UJ	10 UJ
Unknown	4.92 UJ	4.79 UJ	4.91 UJ	4.87 UJ
Unknown	7.06 UJ			9.33 UJ

^aDuplicate sample^bU = undetected - below method detection level; J - estimated value; R = rejected value.

Table A-10. Water quality data for surface water samples of McCoy Branch,
July 30, 1990. Source: CH2M Hill (1991).

Parameter mg/L unless otherwise noted	MCK 2.62	MCK 2.52	MCK 1.92	MCK 1.92 ^a
Alpha Activity (pCi/L)	378.67±67.2	352.13±64.9	-1.43 ^{E2} ±1.6 ^{E2} UJ	-1.27 ^{E2} ±1.6 ^{E2} UJ
Beta Activity (pCi/L)	936.17±114.7	580.17±99.6	-22.35±3.3 ^{E2} U	-33.53±3.3 ^{E2} U
Alkalinity	148	159	164	161
Chloride IC	3	2	2	2
Conductivity (μmho/cm)	340	339	335	334
Dissolved Solids	180	180	168	174
Fluoride IC	0.2	0.2	0.2	0.2
Nitrate	<1 UJ ^b	<1 UJ	1 J	1 J
pH	7.4	7.8	7.9	8
Phenols	0.03 J	<0.03 UJ	<0.03 UJ	<0.03 UJ
Sulfate	24	26	14	14
Suspended Solids	5	8	1	2
Total Organic Carbon (TOC)	<1	<1	<1	<1
Total Organic Halides (TOX) (μg/L)	10 J	<10 UJ	<10 UJ	16 J
Uranium-Fluorometric	0.001	0.001	<0.001	<0.001

^a Duplicate sample

^bU = undetected - below method detection level; J - estimated value; R = rejected value.

Appendix A (continued)

Table A-11. Concentrations of elements measured in surface water samples of McCoy Branch, July 30, 1990. Sites labeled -F are filtered samples. Source: CH2M Hill (1991).

Element µg/L	MCK 2.62	MCK 2.62-F	MCK 2.52	MCK 2.52-F	MCK 1.92	MCK 1.92-F	MCK 1.92 ^a	MCK 1.92-F ^a
Aluminum	129 J ^b	32.0	39.4 J	38.2	39.4 J	38.2	48.7 J	50.5
Antimony	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Arsenic	84.8	32.0	21.0	19.9	2.1	2.1	2.1	2.1
Barium	60.6	65.6	49.6	48.9	78.5	78.2	70.2	77.9
Beryllium	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Cadmium	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Calcium	43900	43200	45500	44200	44700	45300	32300	44800
Chromium	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Cobalt	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Copper	4.0	7.1	4.0	4.5	4.1	4.9	4.0	4.0
Iron	1360	316	5.8	14.7 J	4.0	18.3 J	4.0	15.1 J
Lead	0.80 UJ	0.80 UJ	0.80 UJ	0.80	0.80 UJ	0.80	0.80 UJ	0.80 J
Magnesium	13600	13200	13500	12900	14700	14400	13600	14200
Manganese	513	1000	16.8	29.6	1.0	28.1	1.0	28.8
Mercury	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Nickel	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Niobium	7.0 UJ	7.0 UJ	7.0 UJ	8.5	7.9	7.0 UJ	7.0 UJ	7.0 UJ
Phosphorous	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ
Potassium	4940	4430	4530	4450	2070	2130	2040	2000
Selenium	2.0 UJ	2.0 UJ	2.0 UJ	2.0	2.0 UJ	2.0	2.0 UJ	2.0
Silver	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Sodium	2780	2740	2920	3160	1850	1730	1690	1720
Vanadium	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Zinc	3.3 J	6.0 J	2.9 J	3.1 J	3.6 J	5.0 J	2.1 J	5.6 J

^a Duplicate sample

^bU = undetected - below method detection level; J = estimated value; R = rejected value.

Appendix A (continued)

Table A-12. Water quality data for surface water samples of
McCoy Branch, October 8, 1990, after a 4.5-cm rain event.
Source: CH2M Hill (1991).

Parameter mg/L unless otherwise noted	MCK 2.62	MCK 2.52	MCK 1.92	Field Blank
Alpha Activity (pCi/L)	-1.28±3.5 UJ ^a	2.37±4.0	-0.60±3.6 UJ	0.69±3.8 J
Beta Activity (pCi/L)	-5.35±7.3 UJ	-3.49±7.4	3.03±7.7 J	-8.61±7.1 U
Alkalinity	155	152	171	2
Chloride IC	3	3	2	<1
Conductivity (µmho/cm)	342	340	350	1.2
Dissolved Solids	226	214	194	<1
Flouride IC	0.1	0.1	0.2	<0.1
Nitrate	<1 UJ	<1 UJ	<1 UJ	<1 UJ
pH	7.63	8.15	7.99	6.55
Phenols	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ
Sulfate	24	26	18	<1
Suspended Solids	<1	<1	<1	<1
Total Organic Carbon (TOC)	<1	1	1	2
Total Organic Halides (TOX) (µg/L)	<10 UJ	<10 UJ	<10 UJ	<10 UJ
Uranium-Fluorometric	0.001	0.001	<0.001	<0.001

^aU = undetected - below method detection level; J = estimated value; R = rejected value.

Appendix A (continued)

Table A-13. Concentrations of elements measured in surface water samples of McCoy Branch, October 8, 1990, after a 4.5-cm rain event. Source: CB2M Hill (1991).

Element µg/L	MCK 2.62	MCK 2.62-F	MCK 2.52	MCK 2.52-F	MCK 1.92	MCK 1.92-F	FIELD BLANK	EQUIP BLANK
Aluminum	79.8 J ^a	48.7 J	76.7 J	26.9 J	76.7 J	61.1 J	33.2 J	20.0
Antimony	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Arsenic	35.4	20.9	20.8	23.9	2.4	2.4	2.1	2.1
Barium	71.7	67.2	53.4	48.9	84.1	82.8	1.3	1.3
Beryllium	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Cadmium	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Calcium	46700	45900	46100	45600	51200	50400	93.6 J	133
Chromium	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Cobalt	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Copper	4.0	4.0	4.0	4.0	8.9	4.0	4.0	4.0
Iron	550	97.3	170	4.0	122	60.8	4.0	4.0
Lead	0.80 UJ	0.80 UJ	0.80 UJ	0.80 UJ	0.80 UJ	0.80 UJ	0.80 UJ	0.80 UJ
Magnesium	14400	14100	13900	13700	14500	14200	12.2 J	11.6 J
Manganese	1090	940	204	1.0	53.3	47.4	1.0	2.2
Mercury	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Nickel	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Niobium	9.5 J	8.7 J	7.0 UJ	7.0 UJ	7.0 UJ	8.1 J	7.0 UJ	7.0 UJ
Phosphorous	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ
Potassium	4700	4510	4720	4920	2410	2490	600	600
Selenium	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Silver	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Sodium	2960	2800	2780	2890	2020	1890	248	274
Vanadium	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Zinc	7.0 J	5.4 J	15.3	4.7 J	9.1 J	5.1 J	2.4 J	6.3 J

^aU = undetected - below method detection level; J = estimated value; R = rejected value.

Table A-14. Monthly means (standard deviation) and range (number of measurements) of water temperature (°C) in McCoy Branch (MCK), in upper White Oak Creek (WCK 6.8) and in upper Fifth Creek (FFK 1.0), two reference sites. Data were obtained with a Ryan TempMentor digital temperature recorder with values recorded every hour. NA=temperature data not available.

<u>Sampling Period</u>		<u>MCK 1.60</u>		<u>MCK 1.92</u>		<u>WCK 6.8</u>		<u>FFK 1.0</u>	
Year	Month	Mean	Range	Mean	Range	Mean	Range	Mean	Range
1989	December	9.53 (1.15)	7.5-11.5 (504)	9.71 (1.25)	6.7-12.3 (500)	8.76 (1.95)	3.9-12.7 (672)	NA	NA
1990	January	8.36 (0.58)	6.3-10.0 (744)	NA	NA	9.96 (0.94)	7.2-12.6 (744)	12.53 (0.39)	11.1-13.4 (192)
	February	10.38 (0.92)	8.1-12.6 (672)	NA	NA	10.25 (2.10)	2.2-15.2 (672)	12.71 (0.53)	11.5-14.0 (672)
	March	12.17 (1.62)	9.2-16.5 (744)	NA	NA	11.65 (1.22)	9.2-15.3 (744)	13.15 (0.63)	11.6-15.0 (744)
	April	13.64 (2.06)	10.3-19.6 (720)	NA	NA	12.76 (1.95)	8.6-18.1 (720)	13.57 (0.75)	11.8-15.4 (718)
	May	17.90 (1.57)	15.2-21.6 (696)	14.41 (1.01)	12.0-18.4 (696)	13.83 (0.89)	11.6-16.3 (720)	15.66 (2.96)	8.1-24.1 (720)
	June	23.26 (1.97)	19.6-27.4 (720)	15.08 (0.73)	13.4-17.0 (720)	15.23 (1.07)	12.6-18.3 (720)	14.76 (0.63)	13.5-19.0 (720)
	July	26.40 (0.78)	24.0-28.9 (744)	15.89 (0.72)	14.7-19.8 (744)	16.24 (0.99)	14.4-19.3 (744)	15.22 (0.68)	14.4-20.0 (744)
	August	26.32 (0.82)	17.6-29.0 (744)	16.29 (0.90)	11.1-19.9 (744)	16.19 (0.78)	14.7-19.4 (744)	15.39 (0.66)	11.8-19.7 (744)
	September	24.67 (1.85)	20.2-28.1 (576)	15.87 (1.23)	12.6-18.7 (576)	15.76 (1.51)	11.6-18.8 (576)	15.02 (0.85)	12.6-18.4 (576)
	October	20.55 (2.15)	15.2-23.8 (744)	14.35 (1.69)	10.5-18.4 (744)	13.84 (2.07)	8.6-18.2 (744)	14.24 (1.11)	11.3-16.8 (744)
	November	15.04 (1.2)	12.8-17.8 (720)	12.27 (1.33)	9.4-15.9 (720)	11.37 (1.52)	8.0-15.9 (720)	13.14 (0.96)	10.2-16.1 (720)
	December	12.42 (0.63)	10.0-13.8 (453)	11.19 (1.09)	8.9-13.8 (453)	10.59 (1.20)	6.8-13.3 (454)	12.19 (0.99)	9.8-14.2 (455)

Appendix A (continued)

Table A-15. Sediment analyses for McCoy Branch, October 1974 to January 1975. Stations 1 (200 m above Rogers Quarry), 2 (200 m below the quarry) and C (Control site on western branch of McCoy Branch. AA = Atomic absorption spectroscopy; units are $\mu\text{g/g}$. ES = emission spectroscopy; units are percent. Source: ERDA 1975.

Parameter	Sample month/station					
	Oct 2	Nov 1	Nov 2	Dec C	Dec 2	Jan 1
Al (AA)	11000	7300	4550			
Cd (AA)	1.4	<2.0	<2.0	<2.0	<2.0	<2.0
Cr (AA)	12	6	10	20	16	14
Cu (AA)	12	23	8	13	16	34
Mn (AA)	520	62	579			
Pb (AA)	21	8	18	34	22	46
Zn (AA)	68		34			
Hg (AA)	4.00	0.14	<0.20	<0.20	<0.20	0.40
U (AA)	0.4	2.2	<1.0	<1.0	<1.0	<1.0
PCB (AA)	<0.1	0.3	<0.1	<0.1	<0.1	<0.1
Al (ES)				4.0	5.0	2.5
B (ES)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01
Ba (ES)	0.04	0.08	0.04	0.04	0.04	0.04
Ca (ES)	20.0	0.5	2.5	0.6	10.0	1.2
Cs (ES)	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Fe (ES)	11.0	5.0	1.2	2.5	1.2	2.5
K (ES)	1.2	0.3	0.6	0.3	0.3	0.6
Li (ES)	0.10		0.03	<0.02	0.06	<0.02
Mg (ES)	2.50	0.30	0.15	0.30	0.80	0.30
Mn (ES)				0.15	0.15	0.15
Mo (ES)						<0.02
Na (ES)	0.30	0.02	0.08	0.04	0.04	0.04
Ni (ES)	<0.01	0.01	0.01	<0.01	<0.01	<0.01
Si (ES)	20	15	20	20	15	20
Ti (ES)	0.8	0.3	0.3	0.3	0.3	0.3
Y (ES)	0.015	0.005	0.005	0.010	0.010	0.010
Zr (ES)						0.02

Table A-16. Concentrations of elements measured in coal ash samples of the McCoy Branch floodplain, October 17, 1990. Source: CH2M Hill (1991)

Element μg/L	A1S1	A1S2	A2A	Site ^a A2S1	A3A	A3S1	A3S2
Aluminum	9030	9550	18600	15300	20800	5830	7480
Antimony	R ^b	R	R	R	R	10.6 J	R
Arsenic	2.2 J	2.2 J	54.5 J	24.3 J	46.2 J	28.3 J	22.0 J
Barium	89.0	118	684	109	548	71.4	77.1
Beryllium	0.60	0.71	3.2	1.2	2.9	0.49	0.56
Cadmium	2.1	0.88	1.0	1.5	4.2	1.2	1.7
Calcium	2230	686	3460	1880	5130	858	906
Chromium	25.0	17.4	15.5	12.0	18.2	5.6	10.1
Cobalt	18.0	25.0	12.0	27.5	21.9	13.0	11.1
Copper	6.1	5.5	74.9	24.1	53.5	11.8	11.5
Iron	19200	16900	18300	19800	64300	20100	19600
Lead	33.4	36.2	13.0	26.0	15.4	12.5	6.5
Magnesium	597	525	1140	970	1690	473	614
Manganese	2240	2600	81.3	1830	672	965	702
Mercury	0.10	0.12	0.73	0.11	0.66	0.05	0.06
Nickel	6.7	8.3	29.1	34.2	40.7	22.3	15.5
Niobium	1.7 UJ	1.7 UJ	2.4 UJ	2.0 UJ	2.7 UJ	1.5 UJ	1.6 UJ
Phosphorus	326 J	211 J	2180 J	272 J	1060 J	129 J	145 J

Table A-16 (continued)

Element μg/L	A1S1	A1S2	A2A	Site ^a A2S1	A3A	A3S1	A3S2
Potassium	544	651	3570	1960	3670	911	1310
Selenium	0.24 UJ	0.24 UJ	9.1 J	2.2 J	5.3 J	0.47 J	0.23 UJ
Silver	1.4	1.5	2.1	1.7	2.3	1.3	1.4
Sodium	49.6 J	88.8 J	326	141 J	384	141 J	135 J
Vanadium	39.4	34.3	83.7	50.0	74.2	22.1	33.4
Zinc	34.4	33.9	39.3	102	75.7	56.1	43.5

^a Approximate stream kilometers for sites are given in Table A-7.

^bU = undetected - below method detection level; J - estimated value; R = rejected value.

Table A-17. Concentrations of elements measured in coal ash samples of the McCoy Branch floodplain, October 17, 1990. Source: CB2M Hill (1991).

Element µg/L	A4A	A4S1	A4S2	A5A	A5S1	A5S2	Site ^a A6A	A6S1	A6S2	A7A	A7S1	A7S2
Aluminum	20200	11200	9500	12300	6080	18600	15000	9210	9460	14900	6670	8540
Antimony	R ^b	R	R	R	R	R	R	R	R	R	R	R
Arsenic	54.2 J	15.3 J	10.6 J	53.2 J	10.3 J	11.5 J	15.6 J	3.2 J	3.0 J	59.2 J	43.6 J	41.7 J
Barium	355	48.1	39.3	250	71.0	196	252	79.5	71.6	425	96.0	76.6
Beryllium	2.3	0.72	0.59	1.1	0.86	1.4	1.2	0.69	0.69	2.4	0.56	0.62
Cadmium	1.6	1.2	1.2	4.2	22.8	2.3	1.4	7.0	1.5	2.6	1.8	1.2
Calcium	3210	620	518	3300	12400	17800	6950	250000	220000	3830	1030	963
Chromium	16.4	8.6	8.6	9.1	50.6	21.5	14.3	22.9	8.9	11.5	6.8	7.4
Cobalt	15.7	18.8	21.4	12.5	29.5	10.2	20.0	11.4	8.6	11.9	17.0	18.9
Copper	37.7	11.2	10.7	27.6	70.2	4.9	26.0	9.1	23.1	40.8	15.1	11.9
Iron	29900	14500	13600	51500	372000	21300	25200	13700	13000	36800	24900	16700
Lead	14.3	8.6	15.1	10.4	14.5	13.8	15.1	21.7	27.1	16.6	11.4	11.9
Magnesium	1620	977	732	1090	3740	3320	1610	11200	7880	1210	653	694
Manganese	575	1030	1050	577	2380	248	1200	425	320	194	820	1020
Mercury	0.19	0.07	0.07	0.13	0.09	0.09	0.19	0.05	0.05	0.30	0.07	0.07
Nickel	32.3	22.1	18.0	26.4	40.4	15.3	21.0	22.9	9.9	27.8	21.9	18.4
Niobium	2.2 UJ	1.6 UJ	1.6 UJ	2.1 UJ	20.1 UJ	2.0 UJ	2.4 UJ	16.0 UJ	1.6 UJ	2.2 UJ	1.6 UJ	1.6 UJ
Phosphorus	767 J	97.3 J	47.0 UJ	262 J	575 UJ	269 J	375 J	457 UJ	227 J	1000 J	143	126
Potassium	3900	1780	1320	2100	1720	2190	2800	2140	1990	2930	1070	1370
Selenium	1.7 J	0.23 UJ	0.24 UJ	2.7 J	0.30 J	0.30 UJ	1.5 J	1.2 UJ	0.24 UJ	1.4 J	0.89 J	0.50 J
Silver	1.9	1.3	1.4	1.8	17.2	1.7	2.1	13.7	1.4	1.9	1.3	1.3
Sodium	355	95.9 J	45.4 J	257	626	125 J	290	177	189	332	86.0 J	106 J

Appendix A (continued)

Table A-17 (continued)

Element µg/L	A4A	A4S1	A4S2	A5A	A5S1	A5S2	Site ^a A6A	A6S1	A6S2	A7A	A7S1	A7S2
Vanadium	52.7	27.7	25.2	37.7	94.0	29.4	40.2	12.7	16.2	55.8	26.0	26.0
Zinc	66.5	90.2	79.6	46.2	81.7	46.6	72.3	84.5	79.3	34.2	59.1	55.3

^a Approximate stream kilometers for sites are given in Table A-7.

^bU = undetected - below method detection level; J - estimated value; R = rejected value.

Table A-18. Radioactivity and percent oil and grease in coal ash samples from the McCoy Branch floodplain, October 17, 1990. Source: CH2M Hill (1991).

Site ^a	Alpha Activity (pCi/g)	Beta Activity (pCi/g)	Cesium-137 (pCi/g)	Uranium Fluorometric (μg/g)	Oil and Grease (%)	Uranium-235 (Weight %)	Misc. ^b (pCi/g)
A1S1	0.04±2.3 J ^c	-1.79±4.2 UJ	7.30 ^{E-1} ±2.2 ^{E-1}	4	<0.1	LOW U±XXX	
A1S2	0.46±2.4 U	-3.13±4.2 UJ	3.30 ^{E-1} ±1.7 ^{E-1}	3	<0.1	LOW U±XXX	
A2A	-0.38±2.3 UJ	-0.67±4.3 UJ	1.52 ^{E-1} ±2.0 ^{E-1} J	7	<0.1	INSUFF U±0.0	
A2S1	0.62±2.4 J	-3.13±4.2 UJ	2.07 ^{E-1} ±1.9 ^{E-1}	5	<0.1	LOW U±XXX	
A3A	1.35±2.5 J	-1.12±4.3 UJ	1.39 ^{E-1} ±2.0 ^{E-1} J	8	<0.1	0.76±0.01	
A3S1	2.82±1.7	2.46±3.3 J	6.45 ^{E-2} ±1.5 ^{E-1} J	4	<0.1	LOW U±XXX	
A3S2	3.44±1.7	2.91±3.4 J	8.55 ^{E-2} ±2.3 ^{E-1} J	3	<0.1	LOW U±XXX	
A4A	-0.20±2.3 UJ	-2.35±4.2 UJ	2.65 ^{E-2} ±1.5 ^{E-1}	7	<0.1	INSUFF U±0.0	3.32 ^{E-1} ±2.4 ^{E-b}
A4S1	2.78±1.7	0.78±3.2 J	1.06 ^{E-1} ±1.5 ^{E-1} J	3	<0.1	LOW U±XXX	
A4S2	5.99±2.0	3.24±3.4 J	8.15 ^{E-2} ±1.5 ^{E-1} J	3	<0.1	LOW U±XXX	5.15±1.3
A5A	2.39±1.6	2.01±3.3 J	9.35 ^{E-2} ±1.9 ^{E-1} J	6	<0.1	INSUFF U±0.0	
A5S1	1.21±1.4 J	-0.78±3.2 UJ	2.68 ^{E-1} ±1.9 ^{E-1}	3	<0.1	LOW U±XXX	
A5S2	3.38±1.7	3.13±3.4 J	5.90 ^{E-2} ±1.6 ^{E-1} J	7	<0.1	INSUFF U±0.0	
A6A	5.75±2.0	7.27±3.6	6.95 ^{E-2} ±1.5 ^{E-1} J	8	<0.1		6.30±1.4 9.2±5.5 ^d
A6S1	0.60±1.3 J	0.11±3.2 J	-5.65 ^{E-2} ±1.5 ^{E-1} UJ	2	<0.1	LOW U±XXX	5.10±1.3

Appendix A (continued)

Table A-18 (continued)

Site ^a	Alpha Activity (pCi/g)	Beta Activity (pCi/g)	Cesium-137 (pCi/g)	Uranium Fluorometric (μg/g)	Oil and Grease (%)	Uranium-235 (Weight %)	Misc. ^b (pCi/g)
A6S2	1.6±1.5	4.14±3.4	-6.80 ^{E-2} ±2.0 ^{E-1} UJ	2	0.1	LOW U±XXX	
A7A	1.21±2.4 J	-4.14±4.1 UJ	5.05 ^{E-2} ±1.5 ^{E-1} J	13	<0.1		
A7S1	-1.44±2.2	5.59±3.4 R	4.47 ^{E-2} ±1.5 ^{E-1} J	3	<0.1	LOW U±XXX	
A7S2	6.30±2.1	1.68±3.3 J	1.03 ^{E-1} ±1.5 ^{E-1} J	3	<0.1	LOW U±XXX	

^aApproximate stream kilometers for sites are given in Table A-7.

^bUranium-235 at site A4A; Th-234 at sites A452, A6A, and A651.

^cU = undetected - below method detection level; J - estimated value; R = rejected value.

^dTh-223

Table A-19. Groundwater data for McCoy Branch, October 15-17, 1990.
Source: CH2M Hill (1991).

Parameter mg/L unless otherwise noted	Site ^a					
	5000 GW-321	5000-F GW-321	5001 GW-672	5001-F GW-672	5002 GW-673	5002-F GW-673
Alpha Activity (pCi/L)	-14.51±29.8 UJ ^b	27.10±35.4	21.08±34.9 J	11.45±33.3 J	91.34±43.0	1.61±32.2 J
Beta Activity (pCi/L)	-60.53±75.4 UJ	-72.17±74.8	-11.64±77.9 UJ	-83.80±74.2 U	25.61±79.8 U	-39.57±76.5 UJ
Alkalinity	119	119	282	279	121	143
Chloride IC	1	1	3	3	2	2
Conductivity (µmho/cm)	228	225	622	632	375	376
Dissolved Solids	148	138	382	374	222	226
Flouride IC	<0.1	<0.1	0.1	0.1	1	1
Nitrate	1 J	1 J	3 J	4 J	1 J	<1 UJ
pH	8.2	8.2	7.7	7.6	9.9	10.0
Phenols	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ
Sulfate	2	2	37	37	27	27
Suspended Solids	38	<1	1170	2	<1	<1
Total Organic Carbon (TOC)	4	2	2 J	2 J	10	9
Total Organic Halides (TOX) (µg/L)	<10 UJ	<10 UJ	54 J	120 J	351 J	<10 UJ
Uranium-Fluorometric	<0.001	<0.001	0.002	0.002	0.001	0.001

Table A-19 (continued)

Parameter mg/L unless otherwise noted	Site ^a							
	5003 FCAP GW-674	5003 FCAP-F GW-674	5004 FCAP GW-676	5004 FCAP-F GW-676	5005 FCAP GW-676	5005 FCAP-F GW-676	5006 FCAP GW-676	5007 FCAP GW-676
Alpha Activity (pCi/L)	46.07±37.8	-27.23±27.6 UJ	-0.19±36.0 UJ	R	70.56±40.9	11.04±33.6 J	58.83±39.7 J	24.14±27.6 UJ
Beta Activity (pCi/L)	-90.79±73.9 U	-93.12±73.8 U	15.65±74.3 J	-37.25±76.6	128.04±84.6	-65.18±75.2 UJ	76.82±82.2 J	-97.77±73.5 U
Alkalinity	224	226	185	216	208	230	3	3
Chloride IC	2	2	5	4	5	4	<1	<1
Conductivity (µmho/cm)	450	462	504	535	525	540	2.6	2.1
Dissolved Solids	260	268	336	314	298	318	28	14
Flouride IC	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	<0.1
Nitrate	<1 UJ	<1 UJ	7 J	5 J	7 J	5 J	<1 UJ	<1 UJ
pH	7.8	7.6	7	7.9	7.7	7.8	7.2	7.3
Phenols	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ	<0.03 UJ
Sulfate	27	27	10	8	10	8	<1	<1
Suspended Solids	<1	2	526	<1	408	3	<1	<1
Total Organic Carbon (TOC)	7	8	1	2	1	2	18	<1 UJ
Total Organic Halides (TOX) (µg/L)	<10 UJ	<10 UJ	<10 UJ	13 J	<10 UJ	<10 UJ	<10 UJ	<10 UJ
Uranium-Fluorometric	0.002	0.002	0.001	0.002	0.2	0.002	<0.001	<0.001

^a Approximate stream kilometers for sites are given in Table A-7.

^bU = undetected - below method detection level; J - estimated value; R = rejected value.

Table A-20. Concentrations of elements measured in groundwater from McCoy Branch,
October 15-17, 1990. Source: CH2M Hill (1991).

Element μg/L	Site ^a							
	5000 GW-321	5000-F GW-321	5001 GW-672	5001-F GW-672	5002 GW-673	5002- GW-673F	5003 GW-674	5003-F GW-674
Aluminum	42.9		12000	910	1060	48.7 J ^b	21800	70.4 J
Antimony	50.0		50.0	50.0	50.0	50.0	50.0	50.0
Arsenic		2.0	2.7	2.0	2.0	2.0	3.2	2.0
Barium	43.3		255	133	46.9	29.6	674	236
Beryllium	0.30		1.3	0.30	0.30	0.30	4.0	0.30
Cadmium	3.0		3.0	3.0	3.0	3.0	8.0	3.0
Calcium	24300		114000	95200	8310	5290	93200	62200
Chromium	10.0		24.9	10.0	74.7	10.0	31.4	10.0
Cobalt	5.0		21.1	5.6	5.0	5.0	27.6	5.0
Copper	4.0		30.1	11.1	52.5	6.3	73.5	6.6
Iron	22.8		16100	1110	2110	37.1	33500	20.6
Lead		3.9 J	6.5 J	2.4 J	10.4 J	R	52.9 J	R
Magnesium	13900		33900	25500	12100	11200	37400	21100
Manganese	5.2		2750	1380	44.6	3.8	2460	224
Mercury		0.20	0.26	0.20	0.20	0.20	0.33	0.20
Nickel	10.0		25.4	10.0	32.9	10.0	41.1	10.0
Niobium	8.4		7.0 UJ	7.0 UJ	7.0 UJ	7.0 UJ	7.0 UJ	8.8
Phosphorus	200 UJ		200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ
Potassium	775		4960	3960	67900	65500	7710	4230

Table A-20 (continued)

Element μg/L	<u>Site^a</u>							
	5000 GW-321	5000-F GW-321	5001 GW-672	5001-F GW-672	5002 GW-673	5002- GW-673F	5003 GW-674	5003-F GW-674
Selenium		2.0	8.0	2.2	2.0	2.0	4.0	2.0
Silver	6.0		6.0	6.0	6.0	6.0	6.0	6.0
Sodium	660		3870	4200	16800	17000	3510	3540
Vanadium	5.0		34.3	5.0	5.0	5.0	62.7	5.0
Zinc	50.0		244	56.2	134	16.3	2070	73.5

Table A-20 continued.

Element µg/L	Site ^a						
	5004 GW-676	5004-F GW-676	5005 GW-676	5005-F GW-676	5006 GW-676	5006-F GW-676	5007 GW-672
Aluminum	11700	52.1	1620	73.5	30.6		20.7
Antimony	50.0	50.0	50.0	50.0	50.0		50.0
Arsenic	2.0	2.0	2.0	2.0		2.0	2.0
Barium	179	62.8	66.3	61.8	5.0		3.1
Beryllium	0.50	0.30	0.30	0.30	0.30		0.30
Cadmium	3.0	3.0	3.0	3.0	3.0		3.0
Calcium	159000	76600	77800	77100	250		152
Chromium	22.0	10.0	10.0	10.0	10.0		10.0
Cobalt	13.1	5.0	5.0	5.0	5.0		5.0
Copper	15.0	4.0	4.0	4.0	4.0		4.0
Iron	17700	26.3	1030	23.9	13.1		14.6
Lead	8.1	3.1	3.7	2.2		2.0	2.0
Magnesium	21200	16400	19000	16500	15.0		23.4
Manganese	1610	680	361	682	1.5		2.2
Mercury	0.20	0.20	0.20	0.20		0.20	0.2
Nickel	13.4	10.0	10.0	10.0	10.0		10.0
Niobium	7.0 U	7.0 U	7.0 U	7.0 U	10.2		7.0 U
Phosphorus	530	200 U	200 U	200 U	200 U		200 U
Potassium	4100	1470	1950	1410	600		600
Selenium	4.0	2.0	2.0	2.0		2.0	2.0

Table A-20 (continued)

Element µg/L	<u>Site^a</u>						
	5004 GW-676	5004-F GW-676	5005 GW-676	5005-F GW-676	5006 GW-676	5006-F GW-676	5007 GW-672
Silver	6.0	6.0	6.0	6.0	6.0		6.0
Sodium	8250	7720	10500	7460	448		378
Vanadium	18.5	5.0	5.0	5.0	5.0		5.0
Zinc	87.1	32.3	17.2	18.2	4.8		14.6

^a Approximate stream kilometers for sites are given in Table A-7.

^bU = undetected - below method detection level; J = estimated value; R = rejected value.

APPENDIX B

CHECKLIST OF BENTHIC MACROINVERTEBRATE TAXA FROM
MCCOY BRANCH AND WHITE OAK CREEK, APRIL 1989 - JANUARY 1990

Appendix B

Table B-1. Checklist of benthic macroinvertebrate taxa collected from McCoy Branch (MCK) and White Oak Creek (WCK), a reference stream, April 1989 to January 1990. The 'X' indicates that the taxon was collected at least once in quantitative samples during the sampling period. The 'Q' indicates that the taxon was collected in qualitative samples only.

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Coelenterata (hydras)			X
Hydridae			
Hydra			
Turbellaria			
Tricladida			
Planariidae (flat worms)	X	X	X
Copepoda (copepods)	X		
Nematoda (roundworms)	X		X
Annelida			
Oligochaeta (aquatic earthworms)	X	X	X
Ostracoda (seed shrimp)	X	X	
Crustacea			
Amphipoda (sideswimmers)			
Gammaridae			
Crangonyx		Q	X
Decapoda (crayfish)			X
Cambaridae	Q	Q	X
Cambarus			Q
Hydracarina (water mites)		X	X
Insecta			
Collembola (springtails)			
Anthropleona			
Entomobryomorpha	X	X	X
Sminthuridae	X		

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Ephemeroptera (mayflies)			
Baetidae?			X
Baetidae		X	
<i>Baetis</i>	X	X	X
<i>Baetis pluto</i>			Q
<i>Baetis tricaudatus</i>	Q		Q
<i>Pseudocloeon</i>	X		X
Ephemerellidae			X
<i>Ephemerella</i>		X	X
<i>Ephemerella?</i>			Q
<i>Ephemerella invaria</i>			Q
<i>Eurylophella</i>	X	X	X
<i>Eurylophella doris/temporalis</i>			Q
Ephemeridae			
<i>Ephemera</i>			X
Heptageniidae			X
<i>Stenacron</i>			X
<i>Stenacron interpunctatum</i>			Q
<i>Stenonema</i>			X
<i>Stenonema?</i>			X
Leptophlebiidae		X	X
<i>Habrophlebiodes</i>	X	X	X
<i>Paraleptophlebia</i>			X
Oligoneuriidae			
<i>Isonychia</i>			X
Odonata			
Anisoptera (dragonflies)			
Aeshnidae			
<i>Boyeria</i>		Q	
Cordulegastridae			
<i>Cordulegaster</i>		X	
Gomphidae			X
<i>Stylogomphus</i>		X	X
<i>Stylogomphus albistylus</i>			Q
<i>Stylogomphus?</i>			X
Libellulidae	X		
Zygoptera (damselflies)			

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Calopterygidae		X	
<i>Calopteryx</i>		X	
<i>Calopteryx?</i>		X	
Coenagrionidae	X		
<i>Ischnura</i>			
Plecoptera (stoneflies)	X		
Chloroperlidae			X
<i>Haploperla</i>			X
<i>Sweltsa</i>			X
<i>Sweltsa?</i>			X
Leuctridae			
<i>Leuctra</i>		X	X
<i>Leuctra?</i>		X	X
Nemouridae			
<i>Amphinemura</i>	X	X	X
<i>Amphinemura delosa</i>			Q
Peltoperlidae			
<i>Tallaperla</i>		X	
<i>Viehoperla?</i>			X
Perlidae		X	X
<i>Eccoptura</i>			X
<i>xanthenes</i>			
<i>Perlesta</i>			X
Perlodidae	X	X	X
<i>Isoperla</i>	X		
<i>Isoperla holochlora?</i>			Q
<i>Isoperla?</i>			X
Hemiptera (true bugs)			
Veliidae			
<i>Microvelia</i>	X		
<i>Microvelia americana?</i>			Q
Hydrometridae			
<i>Hydrometra</i>	X		
Mesoveliidae?	X		
Corixidae			
<i>Sigara</i>			Q

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Megaloptera			
Corydalidae (dobsonflies, fishflies)			
<i>Nigronia</i>		X	X
<i>Nigronia fasciatus</i>			X
<i>Nigronia serricornis</i>			X
Sialidae (alderflies)			
<i>Sialis</i>			X
Trichoptera (caddisflies)	X		X
Glossosomatidae			
<i>Agapetus</i>			X
<i>Glossosoma</i>		X	
Hydropsychidae	X	X	X
<i>Cheumatopsyche</i>	X	X	X
<i>Diplectrona modesta</i>		X	X
<i>Hydropsyche</i>	X	X	X
<i>Hydropsyche?</i>			X
Hydroptilidae			
<i>Hydroptila</i>	X	X	X
Limnephilidae			
<i>Neophylax</i>	X	X	X
<i>Pycnopsyche</i>	X	X	
<i>Pycnopsyche gentilis</i>			Q
<i>Pycnopsyche luculenta</i>			Q
<i>Pycnopsyche scabripennis</i>			Q
Odontoceridae			
<i>Psilotreta</i>			X
Philopotamidae			
<i>Chimarra</i>	X	X	X
<i>Dolophilodes distinctus</i>			X
<i>Wormaldia</i>		X	X
Molannidae			
<i>Molanna</i>		X	

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Polycentropodidae			
<i>Polycentropus</i>	X		X
<i>Polycentropus?</i>			X
Psychomyiidae			
<i>Lype diversa</i>		X	
Rhyacophilidae			
<i>Rhyacophila</i>			X
Goeridae			
<i>Goera</i>			X
Lepidostomatidae			
<i>Lepidostoma</i>		X	X
Coleoptera (beetles)			
Dryopidae			
<i>Helichus fastigiatus</i>			Q
Elmidae	X	X	
<i>Dubiraphia</i>			Q
<i>Optioservus</i>	X	X	X
<i>Stenelmis</i>	X	X	X
<i>Stenelmis?</i>	X		
<i>Microcylloepus</i>	X	X	
<i>pusillus</i>			
Eubriidae			
<i>Ectopria</i>			X
Hydrophilidae			
<i>Hydrobius</i>		Q	
Psephenidae			
<i>Psephenus</i>	X		X
<i>herricki</i>			
Ptilodactylidae			
<i>Anchytarsus</i>	X		X
<i>bicolor</i>			
Diptera (true flies)	X		X
Muscomorpha	X		
Ceratopogonidae	X	X	X
<i>Atrichopogon</i>		X	

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Chironomidae	Q	Q	Q
Tanypodinae	X	X	X
Labrundinia	X		
Natarsia		X	
Nilotanypus		X	X
Nilotanypus?			X
Paramerina	Q		
Paramerina?	Q		
Thienemannimyia gp	X	X	X
Thienemannimyia?	X		X
Trissopelopia ogemawi			X
Trissopelopia?		X	
Zavreliomyia		X	
Zavreliomyia?		X	
Diamesinae			
Diamesa		X	
Orthocladiinae	X	X	X
Brillia		Q	
Chaetocladius	X	X	
Chaetocladius?		X	
Corynoneura	X	X	X
Corynoneura?	Q		X
Cricotopus bicinctus	Q	Q	
Cricotopus tremulus	Q		
Cricotopus/ Orthocladius	X	X	X
Cricotopus/ Orthocladius?		X	X
Diplocladius			X
Eukiefferiella	X	X	X
Eukiefferiella claripennis	Q	Q	
Eukiefferiella devonica			Q
Eukiefferiella?	X		
Heleniella			X
Heleniella?	X		X
Heterotrissocladius	X	Q	X
Heterotrissocladius marcidus			Q
Heterotrissocladius?	X		
Limmophyes	X		

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
<i>Lopescladius</i>			X
<i>Nanocladius</i>	X		
<i>Parakiefferiella</i>	X		
<i>Parametriocnemus</i>	X	X	X
<i>Psectrocladius</i>		X	
<i>Rheocricotopus</i>			X
<i>Smittia</i>	X	X	
<i>Symposiocladius</i>	X	Q	
<i>Thienemanniella</i>	X	X	X
<i>Tvetenia</i>	X	X	X
<i>Tvetenia bavarica</i>	Q		Q
Chironominae	X	X	X
Chironomini			
<i>Chironomus/Einfeldia</i>		Q	
<i>Cryptochironomus</i>	X	X	X
<i>Dicrotendipes</i>	Q	X	
<i>Microtendipes</i>	Q		X
<i>Microtendipes?</i>			X
<i>Paralauterborniella</i>			Q
<i>Paratendipes</i>	X	X	
<i>Paratendipes?</i>		X	
<i>Polypedilum</i>	X	X	X
<i>Stictochironomus</i>	Q		
Tanytarsini	Q	X	
<i>Micropsectra</i>	X	X	X
<i>Micropsectra?</i>	X	X	X
<i>Paratanytarsus</i>	Q		
<i>Paratanytarsus?</i>		X	
<i>Rheotanytarsus</i>	X	X	X
<i>Rheotonytarsus?</i>		X	X
<i>Stempellina</i>			X
<i>Stempellinella</i>	X	X	X
<i>Stempellinella?</i>		X	X
Culicidae			
<i>Anopheles</i>	X		
Dixidae			
<i>Dixa</i>		X	X
Dolichopodidae	Q	Q	Q
Sciomyzidae		X	

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Simuliidae			
<i>Simulium</i>	X	X	X
<i>Simulium?</i>			Q
Muscidae	X		
Empididae			
<i>Chelifera</i>	X	Q	X
<i>Clinocera</i>		Q	X
<i>Hemerodromia</i>	X	X	X
<i>Hemerodromia?</i>			X
Psychodidae			
<i>Pericoma</i>			X
Stratiomyidae		X	
<i>Caloparyphus</i>		X	
<i>Myxosargus</i>	X		
<i>Nemotelus</i>		Q	
<i>Odontomyia</i>	X		
Tabanidae			
<i>Chrysops</i>	X		
<i>Tabanus</i>		Q	
Tipulidae		X	
<i>Antocha</i>			X
<i>Hexatoma</i>			X
<i>Limmophila</i>			Q
<i>Limmophila?</i>			X
<i>Polymera</i>			
<i>Pseudolimmophila</i>	X	X	X
<i>Pseudolimmophila?</i>			X
<i>Tipula</i>	X	X	X
<i>Tipula abdominalis</i>			X
Mollusca			X
Gastropoda (snails)	X	X	X
Lymnaeidae	X		
<i>Pseudosuccinea columella</i>	Q	Q	
Lymnaeidae?	X	X	
Physidae			
<i>Physella</i>	X	X	
Planorbidae	X		
<i>Gyraulus</i>	X		

Appendix B (continued)

Table B-1 (continued)

TAXON	Site		
	MCK 1.40	MCK 2.03	WCK 6.8
Pleuroceridae			
<i>Elimia</i>			X
Bivalvia (clams)			
Sphaeriidae			X
<i>Pisidium</i>			X
<i>Pisidium?</i>			X
<i>Sphaerium</i>	X		X
<i>Corbicula fluminea</i>	X	X	

APPENDIX H
HEAVY METAL BIOACCUMULATION DATA

Table H1 . Concentrations of metals in plants from the Filled Coal Ash Pond (FCAP-1 and FCAP-2), Sluice Channel (SLUICE-1), and control areas (Walker Branch Watershed).

Location	Sample ID	Date Sampled	Sample Leaves	As µg/g	Cd µg/g	Cr µg/g	Pb µg/g	Hg µg/g	Se µg/g	Tl µg/g
Control	57	22-Aug-91	Red maple	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.06	1.00	1.00 UJ
Control	58	23-Aug-91	Red maple	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00 UJ
Control	59	08-Sep-88	Red maple	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.09	1.00	1.00 UJ
Control	62	08-Sep-88	Sourwood	1.20 UJ	0.25 UJ	3.00	1.00 UJ	0.12	1.00	1.00
Control	63	08-Sep-88	Dogwood	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.14	1.00	1.00
Control	64	08-Sep-88	Dogwood	1.00 UJ	0.25 J	3.00	1.00 UJ	0.21	1.00	1.00
Control	65	08-Sep-88	American beech	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.18	1.00	1.00
Control	66	08-Sep-88	American beech	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.13	1.00	1.00
Control	67	08-Sep-88	Sweet gum	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.11	1.00	1.00
Control	68	02-Apr-91	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00 UJ
Control	69	08-Sep-88	Sweet gum	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.08	1.00	1.00
Control	70	02-Apr-91	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00 UJ
Control	71	22-Aug-91	Grass	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00
Control	72	22-Aug-91	Grass	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00
Control	73	22-Aug-91	Grass	1.20 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00 UJ
Control	74	23-Aug-91	Sycamore	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00
Control	75	22-Aug-91	Boxelder	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.06	1.00	1.00 UJ
Control	76	08-Sep-88	Red maple	1.00 UJ	0.30 J	3.00 UJ	1.00	0.16	1.00	1.00 UJ
Control	77	08-Sep-88	Sourwood	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.06	1.00	1.00
FCAP-1	1	14-Sep-92	Red maple	3.80	0.25 UJ	3.00 UJ	1.00 UJ	0.12	8.50 J	1.00
FCAP-1	2	14-Sep-92	Red maple	2.80	0.25 UJ	3.00 UJ	1.00 UJ	0.10	5.80 J	1.00
FCAP-1	4	14-Sep-92	Cottonwood	1.00	2.10 J	3.00	1.00 UJ	0.05	25.90 J	1.00
FCAP-1	5	14-Sep-92	Sycamore	1.60 J	0.25 UJ	3.00	1.00 UJ	0.05	9.70 J	1.00
FCAP-1	6	14-Sep-92	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.06	2.30 J	1.00
FCAP-1	7	14-Sep-92	Willow	1.00 J	2.00 J	3.00	1.00 UJ	0.05	20.50 J	1.00
FCAP-1	8	14-Sep-92	Sycamore	1.80	0.25 J	3.00	1.00 UJ	0.05	5.30 J	1.00 UJ
FCAP-1	9	14-Sep-92	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	2.10 J	1.00 UJ
FCAP-1	12	14-Sep-92	Grass	1.30	0.25 UJ	20.20	1.00 UJ	0.05	1.80 J	1.00
FCAP-1	13	14-Sep-92	Sycamore	1.50	0.25 UJ	3.00	1.00 UJ	0.05	2.80 J	1.00
FCAP-1	14	14-Sep-92	Red maple	2.20	0.25 UJ	3.00	1.00 UJ	0.10	9.30 J	1.00
FCAP-1	15	14-Sep-92	Grass	1.00	0.25 UJ	7.50	1.10 J	0.05	1.70 J	1.00
FCAP-1	16	14-Sep-92	Honeysuckle	1.00	0.25 UJ	12.30	1.00 UJ	0.05	2.10 J	1.00
FCAP-1	17	14-Sep-92	Sycamore	1.00 J	0.25 UJ	3.00 UJ	1.00 UJ	0.05	7.50 J	1.00
FCAP-1	18	14-Sep-92	Boxelder	1.20 J	0.25 UJ	3.00 UJ	1.00 UJ	0.05	6.00 J	1.00 UJ
FCAP-1	19	14-Sep-92	Boxelder	1.50 J	0.25 UJ	3.80	1.00 J	0.06	4.70 J	1.00 UJ
FCAP-1	20	14-Sep-92	Grass	1.10 J	0.25 UJ	6.00	1.00 J	0.05	1.10 J	1.00 UJ

Table H1 (continued)

Location	Sample ID	Date Sampled	Sample Leaves	As µg/g	Cd µg/g	Cr µg/g	Pb µg/g	Hg µg/g	Se µg/g	Tl µg/g
FCAP-1	21	14-Sep-92	Sycamore	1.90 J	0.25 UJ	3.00 UJ	1.00 UJ	0.05	7.80 J	1.00 UJ
FCAP-1	22	14-Sep-92	Boxelder	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.09	12.60 J	1.00 UJ
FCAP-2	23	15-Sep-92	Weeping Willow	2.10 J	2.40 J	3.00	1.80 J	0.05	31.20 J	1.00 UJ
FCAP-2	24	15-Sep-92	Cottonwood	1.90 J	1.80 J	3.00 UJ	1.00 UJ	0.05	97.00 J	1.00 UJ
FCAP-2	26	15-Sep-92	Sycamore	2.10 J	0.25 J	3.00	1.00 UJ	0.05	9.60 J	1.00 UJ
FCAP-2	33	15-Sep-92	Willow	1.80 J	2.40 J	3.00	1.00 UJ	0.05	36.50 J	1.00 UJ
FCAP-2	34	15-Sep-92	Sycamore	2.20 J	0.25 UJ	3.00	1.00 UJ	0.05	18.10 J	1.00 UJ
FCAP-1	35	14-Sep-92	Honeysuckle	1.00 UJ	0.25 UJ	7.80	1.00 UJ	0.05	2.90 J	1.00 UJ
FCAP-2	37	15-Sep-92	Sycamore	2.10 J	0.25 UJ	3.00	1.00 UJ	0.05	12.00 J	1.00 UJ
FCAP-2	39	15-Sep-92	Weeping Willow	3.10 J	1.40 J	3.00	1.00 UJ	0.05	20.30 J	1.00 UJ
FCAP-2	40	15-Sep-92	Cottonwood	1.00 UJ	2.20 J	3.00	1.00 UJ	0.05	1.00	1.00 UJ
FCAP-2	42	15-Sep-92	Willow	1.70 J	2.60 J	3.00	1.00 UJ	0.05	25.20 J	1.00
FCAP-2	43	15-Sep-92	Cottonwood	1.50 J	2.50 J	3.00	1.00 UJ	0.05	22.30 J	1.00 UJ
FCAP-1	52	14-Sep-92	Sycamore	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.06	22.50	1.00 UJ
FCAP-1	45	14-Sep-92	Cottonwood	1.10 J	0.45 J	3.00	1.00 UJ	0.05	39.40 J	1.00
FCAP-2	46	15-Sep-92	Weeping Willow	1.40 J	2.40 J	3.00	1.00 UJ	0.05	32.50	1.00 UJ
FCAP-1	48	14-Sep-92	Willow	1.10 J	0.60 J	3.00	1.00 UJ	0.05	15.70	1.00 UJ
FCAP-1	49	14-Sep-92	Willow	1.00 UJ	1.80 UJ	3.00	1.00 UJ	0.05	13.30	1.00 UJ
FCAP-1	51	14-Sep-92	Honeysuckle	1.00 UJ	0.25 UJ	6.60	1.00 UJ	0.05	3.10	1.00 UJ
FCAP-2	54	15-Sep-92	Willow	1.00 UJ	2.40 J	3.00	1.00 UJ	0.05	43.00	1.00 UJ
FCAP-1	55	14-Sep-92	Cottonwood	1.00 UJ	1.20 J	3.00	1.00 UJ	0.05	49.50	1.00 UJ
FCAP-1	56	14-Sep-92	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	2.90	1.00 UJ
SLUICE	3	15-Sep-92	Sycamore	1.00	0.25 UJ	3.00	1.00 UJ	0.08	1.00	1.00
SLUICE	10	15-Sep-92	Sycamore	1.00	0.25 UJ	3.00	1.00 UJ	0.07	1.00	1.00
SLUICE	25	15-Sep-92	Grass	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.60 J	1.00 UJ
SLUICE	27	15-Sep-92	Red maple	1.00 UJ	0.60 J	3.00	1.00 UJ	0.06	3.10 J	1.00 UJ
SLUICE	29	15-Sep-92	Grass	1.00 UJ	0.25 UJ	3.00 UJ	1.00 UJ	0.05	1.30 J	10.00 UJ
SLUICE	30	15-Sep-92	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.06	1.00	1.00 UJ
SLUICE	32	15-Sep-92	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.00	1.00 UJ
SLUICE	36	15-Sep-92	Grass	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.05	1.20 J	1.00 UJ
SLUICE	38	15-Sep-92	Eastern redcedar	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.07	1.00	1.00 UJ
SLUICE	41	15-Sep-92	Red maple	1.00	0.25 UJ	3.00	1.00 UJ	0.08	1.00	1.00
SLUICE	47	15-Sep-92	Red maple	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.08	1.10	1.00 UJ
SLUICE	53	15-Sep-92	Sycamore	1.00 UJ	0.25 UJ	3.00	1.00 UJ	0.07	2.10	1.00 UJ

J = Estimated U = Less than detection limit

UJ = Estimated non-detect

**Table H2. Concentrations of metals in small mammals from the Filled Coal Ash Pond (FCAP-1 and FCAP-2),
Sluice Channel (SLUICE-1), and reference site (Walker Branch Watershed) (Wet Weight)**

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
FCAP-1	Peromyscus	02-001	orig	0.020	2.05 J	0.568	0.132 UJ	0.200 UJ	0.017	1.34 J
FCAP-1	Peromyscus	02-001	dup	0.111	2.02 J	0.920	0.0500	0.200 UJ	0.021	1.10 J
FCAP-1	Peromyscus	02-001	trip	0.010 U	1.85 J	0.345	0.070 UJ	0.200 UJ	0.024	0.835 J
FCAP-1	Peromyscus	68-003	orig	0.011	6.56 J	0.298	0.632	0.200 UJ	0.046	1.30 J
FCAP-1	Peromyscus	68-003	dup	0.010 U	5.22 J	0.375	0.355	0.200 UJ	0.043	0.93 J
FCAP-1	Peromyscus	68-003	trip	0.010 U	5.14 J	0.340	0.315	0.200 UJ	0.031	0.922 J
FCAP-1	Peromyscus	17-004	orig	0.027 J	1.65 J	0.308	0.290 J	0.200 UJ	0.027	0.970 J
FCAP-1	Peromyscus	17-004	dup	0.010 U	1.76 J	0.132	0.168	0.200 UJ	0.03	1.47 J
FCAP-1	Peromyscus	17-004	trip	0.018	1.76 J	0.145	0.175	0.200 UJ	0.025	1.06 J
FCAP-1	Peromyscus	71-005	orig	0.028	4.16 J	0.158	0.175 U	0.200 UJ	0.046	1.90 J
FCAP-1	Peromyscus	71-005	dup	0.031	3.85 J	0.242	0.100 U	0.328 UJ	0.051	0.988 J
FCAP-1	Peromyscus	71-005	trip	0.029	3.80 J	0.455	0.090 U	0.200 UJ	0.052	1.20 J
FCAP-1	Peromyscus	33-006	orig	0.010 UJ	0.488 J	0.140	0.160 UJ	0.200 UJ	0.026	0.842 J
FCAP-1	Peromyscus	33-006	dup	0.010 U	0.462 J	0.170	0.105 U	0.200 UJ	0.025	0.998 J
FCAP-1	Peromyscus	33-006	trip	0.010 U	0.388 J	0.205	0.053 U	0.200 UJ	0.024	1.12 J
FCAP-1	Peromyscus	17-007	orig	0.039 J	2.88 J	1.54	0.310	0.200 UJ	0.059	2.30 J
FCAP-1	Peromyscus	17-007	dup	0.036	2.43 J	1.50	0.228	0.200 UJ	0.063	1.79 J
FCAP-1	Peromyscus	17-007	trip	0.028	2.44 J	1.32	0.158	0.200 UJ	0.045	1.95
FCAP-1	Peromyscus	03-008	orig	0.010 UJ	1.82 J	0.142	0.155 UJ	0.200 UJ	0.016	2.75 J
FCAP-1	Peromyscus	03-008	dup	0.010 U	1.79 J	0.152	0.088 U	0.200 UJ	0.016	2.30 J
FCAP-1	Peromyscus	03-008	trip	0.010 U	1.83 J	0.122	0.050 U	0.200 UJ	0.017	1.71 J
FCAP-2	Reithrodontomys	38-009	orig	0.026 J	2.91 J	0.110	0.210 U	0.200 UJ	0.118	0.975 J
FCAP-2	Reithrodontomys	38-009	dup	0.030	2.46 J	0.170	0.105 U	0.200 UJ	0.097	1.11 J
FCAP-2	Reithrodontomys	38-009	trip	0.021	2.42 J	0.132	0.095 U	0.200 UJ	0.102	1.16 J
FCAP-2	Reithrodontomys	09-010	orig	0.077 J	3.46 J	12.20	0.240 U	0.200 UJ	0.072	1.59 J
FCAP-2	Reithrodontomys	09-010	dup	0.052	3.14 J	8.60	0.090 U	0.205 J	0.074	1.01 J
FCAP-2	Reithrodontomys	09-010	dup	0.066	3.56 J	10.00	0.103 U	0.2 J	0.066	1.08 J

Table H2 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
FCAP-2	Peromyscus	11-011	orig	0.005 UJ	2.32 J	1.06	0.143 U	0.200 UJ	0.027	1.26 J
FCAP-2	Peromyscus	11-011	dup	0.010 U	2.44 J	1.5	0.050 U	0.200 UJ	0.024	0.632 J
FCAP-2	Peromyscus	11-011	trip	0.010 U	2.40 J	0.34	0.050 U	0.200 UJ	0.035	1.66 J
FCAP-2	Reithrodontomys	03-012	orig	0.010 UJ	1.63 J	0.2	0.278	0.200 UJ	0.013	0.965 J
FCAP-2	Reithrodontomys	03-012	dup	0.010 U	1.31 J	0.135	0.148	0.200 UJ	0.012	1.12 J
FCAP-2	Reithrodontomys	03-012	trip	0.010 U	1.26 J	0.118	0.222	0.200 UJ	0.012	0.928 J
FCAP-2	Reithrodontomys	33-013	orig	0.010 UJ	0.57 J	0.075	0.080 U	0.200 UJ	0.016	0.67 J
FCAP-2	Reithrodontomys	33-013	dup	0.010 U	0.635 J	0.102	0.050 U	0.200 UJ	0.016	1.47 J
FCAP-2	Reithrodontomys	33-013	trip	0.010 U	0.728 J	0.105	0.050 U	0.200 UJ	0.016	1.31 J
SLUICE-1	Microtus	12-014	orig	0.019	0.502	0.53	0.108 J	0.200 UJ	0.011 J	1.55
SLUICE-1	Microtus	12-014	dup	0.024	0.630	0.422	0.083 UJ	0.200 UJ	0.012	1.31
SLUICE-1	Microtus	12-014	trip	0.024	0.575	0.475	0.088 J	0.200 UJ	0.009 J	1.51
SLUICE-1	Peromyscus	29-015	orig	0.018	0.448	0.938	0.050 UJ	0.200 UJ	0.026 J	1.052
SLUICE-1	Peromyscus	29-015	dup	0.011	0.462	0.765	0.050 UJ	0.200 UJ	0.026 J	1.08
SLUICE-1	Peromyscus	29-015	trip	0.016	0.455	0.76	0.050 UJ	0.200 UJ	0.022 J	1.22
SLUICE-1	Peromyscus	79-016	orig	0.026	0.450	0.61	0.050 UJ	0.200 UJ	0.038 J	1.10
SLUICE-1	Peromyscus	79-016	dup	0.033	0.438	0.542	0.050 UJ	0.200 UJ	0.046 J	1.10
SLUICE-1	Peromyscus	79-016	trip	0.054	0.535	0.79	0.050 UJ	0.200 UJ	0.061 J	1.01
SLUICE-1	Peromyscus	60-017	orig	0.006 J	0.818	0.26 J	0.050 UJ	0.200 UJ	0.053 J	1.06
SLUICE-1	Peromyscus	60-017	dup	0.008	0.692	0.282	0.050 UJ	0.200 UJ	0.053 J	1.12
SLUICE-1	Peromyscus	60-017	trip	0.009	0.782	0.27	0.050 UJ	0.200 UJ	0.053 J	0.925
SLUICE-1	Blarina	28-018	orig	0.067	2.26	0.798 J	0.185 J	0.200 UJ	0.501 J	0.898
SLUICE-1	Blarina	28-018	dup	0.063	2.20	0.64	0.140 J	0.200 UJ	0.59 J	0.638 J
SLUICE-1	Blarina	28-018	trip	0.089	2.53	0.592	0.205 J	0.200 UJ	0.351 J	0.855
SLUICE-1	Peromyscus	93-019	orig	0.010 J	0.332	0.59	0.058 J	0.200 UJ	0.02 J	1.02
SLUICE-1	Peromyscus	93-019	dup	0.011	0.308	0.432	0.050 UJ	0.200 UJ	0.027 J	1.16
SLUICE-1	Peromyscus	93-019	trip	0.016	0.348	0.455	0.050 UJ	0.200 UJ	0.03 J	1.15
Walker Branch	Blarina	77-021	orig	0.061	0.975 J	1.330	0.050 UJ	0.200 UJ	0.258	2.060 J

Table H2 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
Walker Branch	Blarina	77-021	dup	0.054	0.960 J	1.020	0.050 UJ	0.200 UJ	0.234	1.710 J
Walker Branch	Blarina	77-021	trip	0.057	0.922 J	1.580	0.050 UJ	0.200 U	0.212	1.820 J
Walker Branch	Peromyscus	24-022	orig	0.027	0.272	0.410	0.050 UJ	0.200 U	0.034	1.170 J
Walker Branch	Peromyscus	24-022	dup	0.025	0.280 J	0.320	0.050 UJ	0.200 UJ	0.035	0.982 J
Walker Branch	Peromyscus	24-022	trip	0.026	0.278	0.300 U	0.050 UJ	0.200 U	0.034	0.925 J
Walker Branch	Peromyscus	70-023	orig	0.014	0.295	0.262 U	0.050 UJ	0.200 U	0.027	0.858 J
Walker Branch	Peromyscus	70-023	dup	0.010 U	0.202	0.202 U	0.050 UJ	0.200 U	0.024	0.815 J
Walker Branch	Peromyscus	70-023	trip	0.014	0.292 J	0.198 U	0.050 UJ	0.200 U	0.023	0.788 J
Walker Branch	Peromyscus	48-024	orig	0.027	0.255	0.165 U	0.050 UJ	0.200 U	0.017	0.755 J
Walker Branch	Peromyscus	48-024	dup	0.027	0.248	0.122 U	0.050 UJ	0.200 U	0.018	0.768 J
Walker Branch	Peromyscus	48-024	trip	0.028	0.265	0.085 U	0.050 UJ	0.200 U	0.020	0.515 J
Walker Branch	Blarina	88-025	orig	0.071	1.470 J	2.880	0.050 UJ	0.200 U	0.363	6.060 J
Walker Branch	Blarina	88-025	dup	0.104	1.500 J	1.330	0.050 UJ	0.200 UJ	0.406	6.270 J
Walker Branch	Blarina	88-025	trip	0.051	1.340 J	1.060	0.102 UJ	0.200 UJ	0.550	3.960 J
Walker Branch	Peromyscus	17-026	orig	0.021	0.282 J	0.602	0.065 UJ	0.200 UJ	0.026	4.530 J
Walker Branch	Peromyscus	17-026	dup	0.022	0.228 J	0.710	0.078 UJ	0.200 U	0.030	3.460 J
Walker Branch	Peromyscus	17-026	trip	0.021	0.235	0.632	0.050 U	0.200 UJ	0.031	3.480 J
LAB	rinsate	00-002	orig	0.0002 UJ	0.002 UJ	0.001 UJ	0.002 UJ	0.0004 UJ	0.0001 U	0.02 U
LAB	rinsate	RB	orig	0.0002 U	0.0026 J	0.001 UJ	0.001 U	0.002 U	0.0001 U	0.02 U
LAB	rinsate	00-027	orig	0.0004 UJ	0.002 UJ	0.002 U	0.001 U	0.008 UJ	0.0001 UJ	0.005

J - Estimated

U = less than detection limit (or sample qualified due to potential blank contamination)

R = Unusable

Detection Limits

Cd: 0.010 mg/kg

Tl: 0.200 mg/kg

Se: 0.50 mg/kg

Hg: 0.005 mg/kg

Pb: 0.050 mg/kg

Cr: 0.125 mg/kg

As: 0.50 mg/kg

Table H3. Average concentrations of metals in small mammals from the Filled Coal Ash Pond (FCAP-1 and FCAP-2), Sluice Channel (SLUICE-1), and reference site (Walker Branch Watershed) (Wet Weight)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
FCAP-1	Peromyscus	02-001	Mean	0.047	1.973	0.611	0.084	0.200	0.021	1.092
FCAP-1	Peromyscus	02-001	Std. Dev	0.056	0.108	0.290	0.043	0.000	0.004	0.253
FCAP-1	Peromyscus	02-001	CV	1.184	0.055	0.475	0.509	0.000	0.170	0.231
FCAP-1	Peromyscus	68-003	Mean	0.010	5.64	0.338	0.434	0.200	0.040	1.051
FCAP-1	Peromyscus	68-003	Std. Dev	0.001	0.798	0.039	0.173	0.000	0.008	0.216
FCAP-1	Peromyscus	68-003	CV	0.056	0.141	0.114	0.398	0.000	0.198	0.206
FCAP-1	Peromyscus	17-004	Mean	0.018	1.723	0.195	0.211	0.200	0.027	1.167
FCAP-1	Peromyscus	17-004	Std. Dev	0.006	0.064	0.098	0.069	0.000	0.003	0.266
FCAP-1	Peromyscus	17-004	CV	0.475	0.037	0.503	0.325	0.000	0.092	0.228
FCAP-1	Peromyscus	71-005	Mean	0.029	3.937	0.285	0.122	0.243	0.049	1.363
FCAP-1	Peromyscus	71-005	Std. Dev	0.002	0.195	0.153	0.047	0.074	0.003	0.477
FCAP-1	Peromyscus	71-005	CV	0.052	0.050	0.537	0.382	0.305	0.065	0.350
FCAP-1	Peromyscus	33-006	Mean	0.010	0.446	0.172	0.106	0.200	0.025	0.987
FCAP-1	Peromyscus	33-006	Std. Dev	0.000	0.052	0.033	0.054	0.000	0.001	0.139
FCAP-1	Peromyscus	33-006	CV	0.000	0.116	0.190	0.505	0.000	0.040	0.141
FCAP-1	Peromyscus	17-007	Mean	0.034	2.583	1.453	0.232	0.200	0.056	2.013
FCAP-1	Peromyscus	17-007	Std. Dev	0.003	0.257	0.117	0.076	0.000	0.009	0.261
FCAP-1	Peromyscus	17-007	CV	0.173	0.099	0.081	0.33	0.000	0.170	0.130
FCAP-1	Peromyscus	03-008	Mean	0.010	1.813	0.139	0.098	0.200	0.016	2.253
FCAP-1	Peromyscus	03-008	Std. Dev	0.000	0.021	0.015	0.053	0.000	0.001	0.522
FCAP-1	Peromyscus	03-008	CV	0.000	0.011	0.110	0.544	0.000	0.035	0.231
FCAP-2	Reithrodontom	38-009	Mean	0.021	2.597	0.137	0.137	0.200	0.105	1.082
FCAP-2	Reithrodontom	38-009	Std. Dev	0.004	0.272	0.030	0.064	0.000	0.011	0.096
FCAP-2	Reithrodontom	38-009	CV	0.176	0.105	0.221	0.466	0.000	0.104	0.088
FCAP-2	Reithrodontom	09-010	Mean	0.065	3.387	10.267	0.144	0.202	0.071	1.227
FCAP-2	Reithrodontom	09-010	Std. Dev	0.013	0.219	1.815	0.083	0.003	0.004	0.317
FCAP-2	Reithrodontom	09-010	CV	0.193	0.065	0.177	0.576	0.014	0.059	0.258
FCAP-2	Peromyscus	11-011	Mean	0.008	2.387	0.967	0.081	0.200	0.029	1.184
FCAP-2	Peromyscus	11-011	Std. Dev	0.003	0.061	0.586	0.054	0.000	0.006	0.518
FCAP-2	Peromyscus	11-011	CV	0.346	0.026	0.606	0.663	0.000	0.198	0.438

Table H3 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
FCAP-2	Reithrodontom	03-012	Mean	0.010	1.400	0.151	0.216	0.200	0.012	1.004
FCAP-2	Reithrodontom	03-012	Std. Dev	0.000	0.201	0.043	0.065	0.000	0.001	0.102
FCAP-2	Reithrodontom	03-012	CV	0.000	0.143	0.287	0.302	0.000	0.047	0.102
FCAP-2	Reithrodontom	33-013	Mean	0.010	0.644	0.094	0.060	0.200	0.016	1.150
FCAP-2	Reithrodontom	33-013	Std. Dev	0.000	0.079	0.016	0.017	0.000	0.000	0.423
FCAP-2	Reithrodontom	33-013	CV	0.000	0.123	0.176	0.289	0.000	0.000	0.368
SLUICE-1	Microtus	12-014	Mean	0.022	0.569	0.476	0.093	0.200	0.011	1.457
SLUICE-1	Microtus	12-014	Std. Dev	0.003	0.064	0.054	0.013	0.000	0.002	0.129
SLUICE-1	Microtus	12-014	CV	0.133	0.113	0.114	0.142	0.000	0.143	0.088
SLUICE-1	Peromyscus	29-015	Mean	0.015	0.455	0.821	0.050	0.200	0.025	1.117
SLUICE-1	Peromyscus	29-015	Std. Dev	0.004	0.007	0.101	0.000	0.000	0.002	0.091
SLUICE-1	Peromyscus	29-015	CV	0.240	0.015	0.123	0.000	0.000	0.094	0.081
SLUICE-1	Peromyscus	79-016	Mean	0.036	0.474	0.647	0.050	0.200	0.048	1.07
SLUICE-1	Peromyscus	79-016	Std. Dev	0.015	0.053	0.128	0.000	0.000	0.012	0.052
SLUICE-1	Peromyscus	79-016	CV	0.387	0.112	0.198	0.000	0.000	0.242	0.049
SLUICE-1	Peromyscus	60-017	Mean	0.007	0.764	0.271	0.050	0.200	0.053	1.035
SLUICE-1	Peromyscus	60-017	Std. Dev	0.002	0.065	0.011	0.000	0.000	0.000	0.100
SLUICE-1	Peromyscus	60-017	CV	0.276	0.085	0.041	0.000	0.000	0.000	0.096
SLUICE-1	Blarina	28-018	Mean	0.073	2.33	0.677	0.177	0.200	0.481	0.797
SLUICE-1	Blarina	28-018	Std. Dev	0.014	0.176	0.108	0.033	0.000	0.121	0.139
SLUICE-1	Blarina	28-018	CV	0.196	0.075	0.159	0.188	0.000	0.251	0.175
SLUICE-1	Peromyscus	93-019	Mean	0.012	0.329	0.492	0.053	0.200	0.025	1.110
SLUICE-1	Peromyscus	93-019	Std. Dev	0.003	0.020	0.085	0.005	0.000	0.005	0.078
SLUICE-1	Peromyscus	93-019	CV	0.261	0.061	0.173	0.000	0.000	0.199	0.070
Walker Branch	Blarina	77-021	Mean	0.057	0.952	1.310	0.050	0.200	0.235	1.863
Walker Branch	Blarina	77-021	Std Dev	0.004	0.027	0.281	0.000	0.000	0.023	0.179
Walker Branch	Blarina	77-021	CV	0.066	0.029	0.214	0.000	0.000	0.098	0.096
Walker Branch	Peromyscus	24-022	Mean	0.026	0.277	0.343	0.050	0.200	0.034	1.026
Walker Branch	Peromyscus	24-022	Std Dev	0.001	0.004	0.059	0.000	0.000	0.001	0.128
Walker Branch	Peromyscus	24-022	CV	0.040	0.015	0.171	0.000	0.000	0.026	0.125

Table H3 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
Walker Branch	Peromyscus	70-023	Mean	0.013	0.263	0.221	0.050	0.200	0.025	0.820
Walker Branch	Peromyscus	70-023	Std Dev	0.002	0.053	0.036	0.000	0.000	0.002	0.035
Walker Branch	Peromyscus	70-023	CV	0.175	0.201	0.162	0.000	0.000	0.080	0.043
Walker Branch	Peromyscus	48-024	Mean	0.027	0.256	0.124	0.050	0.200	0.018	0.679
Walker Branch	Peromyscus	48-024	Std Dev	0.001	0.009	0.040	0.000	0.000	0.001	0.142
Walker Branch	Peromyscus	48-024	CV	0.033	0.033	0.323	0.000	0.000	0.074	0.210
Walker Branch	Blarina	88-025	Mean	0.075	1.437	1.757	0.067	0.200	0.440	5.430
Walker Branch	Blarina	88-025	Std Dev	0.027	0.085	0.982	0.030	0.000	0.098	1.277
Walker Branch	Blarina	88-025	CV	0.360	0.059	0.559	0.446	0.000	0.223	0.235
Walker Branch	Peromyscus	17-026	Mean	0.021	0.248	0.648	0.064	0.200	0.029	3.823
Walker Branch	Peromyscus	17-026	Std Dev	0.001	0.029	0.056	0.014	0.000	0.003	0.612
Walker Branch	Peromyscus	17-026	CV	0.038	0.118	0.086	0.215	0.000	0.101	0.160

Means calculated using detection limits for samples with non-detectable levels.

Table H4. Concentrations (Dry Weight corrected) of metals in small mammals from the Filled Coal Ash Pond (FCAP-1 and FCAP-2) and the Sluice Channel (SLUICE-1)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg	Solids %
FCAP-1	Peromyscus	02-001	orig	0.072	7.383	2.041	0.477	<0.719	0.062	4.811	0.278
FCAP-1	Peromyscus	02-001	dup	0.040	7.248	3.309	<0.180	<0.719	0.074	3.966	0.278
FCAP-1	Peromyscus	02-001	trip	0.399	6.664	1.241	0.252	<0.719	0.088	3.004	0.278
FCAP-1	Peromyscus	68-003	orig	<0.035	23.081	1.048	2.227	<0.704	0.163	4.577	0.284
FCAP-1	Peromyscus	68-003	dup	<0.035	18.398	1.320	1.250	<0.704	0.151	3.275	0.284
FCAP-1	Peromyscus	68-003	trip	<0.035	18.099	1.197	1.109	<0.704	0.108	3.248	0.284
FCAP-1	Peromyscus	17-004	orig	0.093	5.668	1.053	0.993	<0.685	0.092	3.322	0.292
FCAP-1	Peromyscus	17-004	dup	<0.034	6.036	0.454	0.574	<0.685	0.103	5.026	0.292
FCAP-1	Peromyscus	17-004	trip	0.060	6.010	0.497	0.599	<0.685	0.085	3.639	0.292
FCAP-1	Peromyscus	71-005	orig	0.083	12.621	0.477	0.530	<0.606	0.140	5.773	0.330
FCAP-1	Peromyscus	71-005	dup	0.093	11.674	0.735	0.303	0.992	0.153	2.992	0.330
FCAP-1	Peromyscus	71-005	trip	0.088	11.500	1.379	0.273	<0.606	0.156	3.652	0.330
FCAP-1	Peromyscus	33-006	orig	<0.033	1.598	0.459	0.525	<0.656	0.086	2.762	0.305
FCAP-1	Peromyscus	33-006	dup	<0.033	1.516	0.557	0.344	<0.656	0.082	3.270	0.305
FCAP-1	Peromyscus	33-006	trip	<0.033	1.270	0.672	0.172	<0.656	0.079	3.672	0.305
FCAP-1	Peromyscus	17-007	orig	0.134	9.846	5.291	1.062	<0.685	0.200	7.868	0.292
FCAP-1	Peromyscus	17-007	dup	0.124	8.313	5.120	0.779	<0.685	0.216	6.130	0.292
FCAP-1	Peromyscus	17-007	trip	0.095	8.339	4.521	0.539	<0.685	0.155	6.678	0.292
FCAP-1	Peromyscus	03-008	orig	<0.031	5.615	0.438	0.477	<0.615	0.050	8.469	0.325
FCAP-1	Peromyscus	03-008	dup	<0.031	5.500	0.469	0.269	<0.615	0.049	7.062	0.325
FCAP-1	Peromyscus	03-008	trip	<0.031	5.623	0.377	<0.154	<0.615	0.051	5.262	0.325
FCAP-2	Reithrodontomys	38-009	orig	0.101	11.367	0.430	0.820	<0.781	0.459	3.809	0.256
FCAP-2	Reithrodontomys	38-009	dup	0.116	9.619	0.664	0.410	<0.781	0.377	4.336	0.256
FCAP-2	Reithrodontomys	38-009	trip	0.081	9.463	0.518	0.371	<0.781	0.396	4.521	0.256
FCAP-2	Reithrodontomys	09-010	orig	0.243	10.899	29.314	0.757	<0.631	0.227	5.008	0.317
FCAP-2	Reithrodontomys	09-010	dup	0.164	9.921	23.462	0.284	0.647	0.233	3.194	0.317
FCAP-2	Reithrodontomys	09-010	trip	0.209	11.222	31.546	0.323	<0.631	0.207	3.415	0.317
FCAP-2	Reithrodontomys	33-013	orig	<0.026	2.011	0.265	0.282	<0.529	0.044	2.363	0.378
FCAP-2	Reithrodontomys	33-013	dup	<0.026	2.240	0.362	<0.132	<0.529	0.042	5.185	0.378
FCAP-2	Reithrodontomys	33-013	trip	<0.026	2.566	0.370	0.150	<0.529	0.041	4.630	0.378
FCAP-2	Peromyscus	11-011	orig	<0.035	8.207	3.746	0.504	<0.707	0.096	4.470	0.283
FCAP-2	Peromyscus	11-011	dup	<0.035	8.604	5.318	<0.177	<0.707	0.084	2.235	0.283
FCAP-2	Peromyscus	11-011	trip	<0.035	8.481	1.201	<0.177	<0.707	0.122	5.848	0.283
FCAP-2	Reithrodontomys	03-012	orig	<0.034	5.612	0.690	0.957	<0.690	0.045	3.328	0.290
FCAP-2	Reithrodontomys	03-012	dup	<0.034	4.526	0.466	0.509	<0.690	0.041	3.862	0.290

Table H4 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg	Solids %
FCAP-2	Reithrodontomys	03-012	trip	<0.034	4.328	0.405	0.767	<0.690	0.042	3.198	0.290
SLUICE-1	Peromyscus	29-015	orig	0.068	1.695	3.551	<0.189	<0.758	0.098	3.987	0.264
SLUICE-1	Peromyscus	29-015	dup	0.043	1.752	2.898	<0.189	<0.758	0.099	4.072	0.264
SLUICE-1	Peromyscus	29-015	trip	0.062	1.723	2.879	<0.189	<0.758	0.085	4.621	0.264
SLUICE-1	Microtus	12-014	orig	0.066	1.757	1.853	0.376	<0.699	0.040	5.420	0.286
SLUICE-1	Microtus	12-014	dup	0.084	2.203	1.477	0.288	<0.699	0.043	4.580	0.286
SLUICE-1	Microtus	12-014	trip	0.085	2.010	1.661	0.306	<0.699	0.031	5.271	0.286
SLUICE-1	Peromyscus	79-016	orig	0.084	1.466	1.987	<0.163	<0.651	0.124	3.575	0.307
SLUICE-1	Peromyscus	79-016	dup	0.107	1.425	1.767	0.252	<0.651	0.151	3.591	0.307
SLUICE-1	Peromyscus	79-016	trip	0.175	1.743	2.573	<0.163	<0.651	0.197	3.298	0.307
SLUICE-1	Peromyscus	60-017	orig	<0.043	3.539	1.126	<0.216	<0.866	0.229	4.600	0.231
SLUICE-1	Peromyscus	60-017	dup	<0.043	2.998	1.223	<0.216	<0.866	0.229	4.838	0.231
SLUICE-1	Peromyscus	60-017	trip	<0.043	3.387	1.169	<0.216	<0.866	0.229	4.004	0.231
SLUICE-1	Blarina	28-018	orig	0.205	6.969	2.454	0.569	<0.615	1.542	2.762	0.325
SLUICE-1	Blarina	28-018	dup	0.193	6.762	1.962	0.431	<0.615	1.815	1.969	0.325
SLUICE-1	Blarina	28-018	trip	0.275	7.792	1.823	0.631	<0.615	1.080	2.631	0.325
SLUICE-1	Peromyscus	93-019	orig	0.040	1.346	2.389	<0.202	<0.810	0.082	4.140	0.247
SLUICE-1	Peromyscus	93-019	dup	0.046	1.245	1.751	<0.202	<0.810	0.102	4.717	0.247
SLUICE-1	Peromyscus	93-019	trip	0.066	1.407	1.842	<0.202	<0.810	0.121	4.656	0.247
REF	Peromyscus	17-026	orig	0.085	1.170	2.498	0.270	<0.830	0.107	18.797	0.241
REF	Peromyscus	17-026	dup	0.091	0.946	2.946	0.322	<0.830	0.126	14.357	0.241
REF	Peromyscus	17-026	trip	0.086	0.975	2.622	<0.207	<0.830	0.130	14.44	0.241
REF	Peromyscus	24-022	orig	0.110	1.115	1.680	<0.205	<0.820	0.138	4.795	0.244
REF	Peromyscus	24-022	dup	0.102	1.148	1.312	<0.205	<0.820	0.145	4.205	0.244
REF	Peromyscus	24-022	trip	0.104	1.139	1.230	<0.205	<0.820	0.141	3.910	0.244
REF	Peromyscus	48-024	orig	0.101	0.977	0.632	<0.192	<0.766	0.067	2.893	0.261
REF	Peromyscus	48-024	dup	0.102	0.950	0.467	<0.192	<0.766	0.067	2.943	0.261
REF	Peromyscus	48-024	trip	0.108	1.015	0.326	<0.192	<0.766	0.076	1.973	0.261
REF	Peromyscus	70-023	orig	0.047	1.024	0.910	<0.174	<0.694	0.094	2.979	0.288
REF	Peromyscus	70-023	dup	<0.035	0.701	0.701	<0.174	<0.694	0.085	2.830	0.288
REF	Peromyscus	70-023	trip	0.048	1.014	0.688	<0.174	<0.694	0.080	2.736	0.288
REF	Blarina	77-021	orig	0.236	3.765	5.135	<0.193	<0.772	0.996	7.954	0.259
REF	Blarina	77-021	dup	0.207	3.707	3.938	<0.193	<0.772	0.904	6.602	0.259
REF	Blarina	77-021	trip	0.220	3.560	6.100	<0.193	<0.772	0.819	7.027	0.259
REF	Blarina	88-025	orig	0.233	4.868	9.536	<0.166	<0.662	1.202	20.066	0.302
REF	Blarina	88-025	dup	0.344	4.967	4.404	<0.166	<0.662	1.344	20.762	0.302
REF	Blarina	88-025	trip	0.167	4.437	3.510	0.338	<0.662	1.821	13.113	0.302

Table H5. Average concentrations (Dry Weight corrected) of metals in small mammals from the Filled Coal Ash Pond (FCAP-1 and FCAP-2) and the Sluice Channel (SLUICE-1)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
FCAP-1	Peromyscus	02-001	mean	0.170	7.098	2.197	0.303	<0.719	0.074	3.927
FCAP-1	Peromyscus	02-001	Std.Dev.	0.162	0.382	0.043	0.154	0.000	0.013	0.904
FCAP-1	Peromyscus	02-001	CV	1.166	0.054	0.475	0.511	0.000	0.174	0.230
FCAP-1	Peromyscus	68-003	mean	<0.035	19.859	1.188	1.529	<0.704	0.141	3.700
FCAP-1	Peromyscus	68-003	Std.Dev.	0.000	2.794	0.136	0.609	0.000	0.029	0.760
FCAP-1	Peromyscus	68-003	CV	0.000	0.141	0.115	0.398	0.000	0.206	0.205
FCAP-1	Peromyscus	17-004	mean	0.062	5.905	0.668	0.722	<0.685	0.093	3.996
FCAP-1	Peromyscus	17-004	Std.Dev.	0.030	0.205	0.334	0.235	0.000	0.009	0.906
FCAP-1	Peromyscus	17-004	CV	0.000	0.035	0.500	0.326	0.000	0.097	0.227
FCAP-1	Peromyscus	71-005	mean	0.088	11.932	0.864	0.369	0.735	0.150	4.139
FCAP-1	Peromyscus	71-005	Std.Dev.	0.005	0.603	0.465	0.141	0.223	0.009	1.453
FCAP-1	Peromyscus	71-005	CV	0.057	0.051	0.538	0.381	0.303	0.057	0.351
FCAP-1	Peromyscus	33-006	mean	<0.033	1.460	0.563	0.347	<0.656	0.082	3.230
FCAP-1	Peromyscus	33-006	Std.Dev.	0.000	0.171	0.107	0.177	0.000	0.004	0.456
FCAP-1	Peromyscus	33-006	CV	0.000	0.117	0.190	0.509	0.000	0.043	0.141
FCAP-1	Peromyscus	17-007	mean	0.118	8.833	4.977	0.793	<0.685	0.190	6.892
FCAP-1	Peromyscus	17-007	Std.Dev.	0.020	0.878	0.404	0.262	0.000	0.032	0.889
FCAP-1	Peromyscus	17-007	CV	0.172	0.099	0.081	0.330	0.000	0.166	0.129
FCAP-1	Peromyscus	03-008	mean	<0.031	5.579	0.428	0.300	<0.615	0.050	6.931
FCAP-1	Peromyscus	03-008	Std.Dev.	0.000	0.069	0.047	0.164	0.000	0.001	1.608
FCAP-1	Peromyscus	03-008	CV	0.000	0.012	0.110	0.545	0.000	0.025	0.232
FCAP-2	Reithrodontomys	38-009	mean	0.099	10.150	0.537	0.534	<0.781	0.411	4.222
FCAP-2	Reithrodontomys	38-009	Std.Dev.	0.018	1.057	0.118	0.249	0.000	0.043	0.370
FCAP-2	Reithrodontomys	38-009	CV	0.177	0.104	0.220	0.466	0.000	0.104	0.088
FCAP-2	Reithrodontomys	09-010	mean	0.205	10.681	28.107	0.455	0.636	0.222	3.872
FCAP-2	Reithrodontomys	09-010	Std.Dev.	0.040	0.678	4.175	0.263	0.009	0.014	0.990
FCAP-2	Reithrodontomys	09-010	CV	0.193	0.063	0.149	0.577	0.015	0.063	0.256
FCAP-2	Reithrodontomys	33-013	mean	<0.026	2.272	0.332	0.188	<0.529	0.042	4.059
FCAP-2	Reithrodontomys	33-013	Std.Dev.	0.000	0.279	0.059	0.082	0.000	0.002	1.495
FCAP-2	Reithrodontomys	33-013	CV	0.000	0.123	0.177	0.436	0.000	0.036	0.368

Table H5 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
FCAP-2	Peromyscus	11-011	mean	<0.035	8.431	3.422	0.286	<0.707	0.101	4.184
FCAP-2	Peromyscus	11-011	Std.Dev.	0.000	0.203	2.077	0.189	0.000	0.020	1.823
FCAP-2	Peromyscus	11-011	CV	0.000	0.024	0.607	0.660	0.000	0.193	0.436
FCAP-2	Reithrodontomys	03-012	mean	<0.034	4.822	0.520	0.744	<0.690	0.043	3.463
FCAP-2	Reithrodontomys	03-012	Std.Dev.	0.000	0.692	0.150	0.225	0.000	0.002	0.000
FCAP-2	Reithrodontomys	03-012	CV	0.000	0.143	0.288	0.302	0.000	0.047	0.102
SLUICE-1	Peromyscus	29-015	mean	0.057	1.723	3.109	<0.189	<0.758	0.094	4.227
SLUICE-1	Peromyscus	29-015	Std.Dev.	0.013	0.028	0.383	0.000	0.000	0.008	0.344
SLUICE-1	Peromyscus	29-015	CV	0.226	0.016	0.123	0.000	0.000	0.084	0.081
SLUICE-1	Microtus	12-014	mean	0.078	1.990	1.664	0.323	<0.699	0.038	5.090
SLUICE-1	Microtus	12-014	Std.Dev.	0.011	0.224	0.188	0.047	0.000	0.006	0.448
SLUICE-1	Microtus	12-014	CV	0.137	0.112	0.113	0.144	0.000	0.164	0.088
SLUICE-1	Peromyscus	79-016	mean	0.122	1.545	2.109	0.193	<0.651	0.157	3.488
SLUICE-1	Peromyscus	79-016	Std.Dev.	0.047	0.173	0.417	0.052	0.000	0.037	0.165
SLUICE-1	Peromyscus	79-016	CV	0.388	0.112	0.198	0.267	0.000	0.235	0.047
SLUICE-1	Peromyscus	60-017	mean	<0.043	3.308	1.172	<0.216	<0.866	0.229	4.481
SLUICE-1	Peromyscus	60-017	Std.Dev.	0.000	0.279	0.049	0.000	0.000	0.000	0.429
SLUICE-1	Peromyscus	60-017	CV	0.000	0.084	0.042	0.000	0.000	0.000	0.096
SLUICE-1	Blarina	28-018	mean	0.224	7.174	2.079	0.544	<0.615	1.479	2.454
SLUICE-1	Blarina	28-018	Std.Dev.	0.044	0.545	0.332	0.102	0.000	0.372	0.425
SLUICE-1	Blarina	28-018	CV	0.197	0.076	0.159	0.188	0.000	0.251	0.173
SLUICE-1	Peromyscus	93-019	mean	0.051	1.333	1.994	<0.202	<0.810	0.101	4.504
SLUICE-1	Peromyscus	93-019	Std.Dev.	0.013	0.082	0.345	0.000	0.000	0.020	0.317
SLUICE-1	Peromyscus	93-019	CV	0.269	0.061	0.173	0.000	0.000	0.193	0.070
REF	Peromyscus	17-026	mean	0.087	1.030	2.689	0.266	<0.830	0.121	15.865
REF	Peromyscus	17-026	Std.Dev.	0.003	0.122	0.231	0.058	0.000	0.012	2.540
REF	Peromyscus	17-026	CV	0.037	0.118	0.086	0.216	0.000	0.102	0.160
REF	Peromyscus	24-022	mean	0.105	1.134	1.407	<0.205	<0.820	0.141	4.303
REF	Peromyscus	24-022	Std.Dev.	0.004	0.017	0.240	0.000	0.000	0.004	0.451
REF	Peromyscus	24-022	CV	0.395	0.015	0.170	0.000	0.000	0.025	0.105

Table H5 (continued)

Location	Species	Sample		Cd mg/kg	Se mg/kg	Pb mg/kg	As mg/kg	Tl mg/kg	Hg mg/kg	Cr mg/kg
REF	Peromyscus	48-024	mean	0.104	0.981	0.475	<0.192	<0.766	0.070	2.603
REF	Peromyscus	48-024	Std.Dev.	0.004	0.033	0.153	0.000	0.000	0.005	0.546
REF	Peromyscus	48-024	CV	0.037	0.033	0.322	0.000	0.000	0.074	0.210
REF	Peromyscus	70-023	mean	0.043	0.913	0.766	<0.174	<0.694	0.086	2.848
REF	Peromyscus	70-023	Std.Dev.	0.007	0.184	0.125	0.000	0.000	0.007	0.123
REF	Peromyscus	70-023	CV	0.167	0.201	0.163	0.000	0.000	0.082	0.043
REF	Blarina	77-021	mean	0.221	3.677	5.058	<0.193	<0.772	0.906	7.194
REF	Blarina	77-021	Std.Dev.	0.015	0.106	1.083	0.000	0.000	0.089	0.691
REF	Blarina	77-021	CV	0.066	0.029	0.214	0.000	0.000	0.098	0.096
REF	Blarina	88-025	mean	0.248	4.757	5.817	0.223	<0.662	1.456	17.980
REF	Blarina	88-025	Std.Dev.	0.089	0.282	3.252	0.099	0.000	0.324	4.230
REF	Blarina	88-025	CV	0.361	0.059	0.559	0.445	0.000	0.223	0.235

CV = coefficient of variation

TABLE H6. Dry weight corrected mean concentrations $\pm$ standard deviation (Range in parentheses) (mg/kg) of metals derived from individual animal means for each genus and all rodents collected at Chestnut Ridge OU2 (FCAP and Sluice Channel) and Walker Branch.

	Chestnut Ridge OU2	FCAP		Sluice Channel			Walker Branch	
ANALYTE	CR OU2 Rodents ^a	<i>Peromyscus</i> (n=8)	<i>Reithrodontomys</i> (n=4)	<i>Peromyscus</i> (n=4)	<i>Microtus</i> (n=1)	<i>Blarina</i> (n=1)	<i>Peromyscus</i> (n=4)	<i>Blarina</i> (n=2)
As	0.452 $\pm$ 0.342 (0.188 - 1.529)	.581 $\pm$ 0.432 (0.286 - 1.529)	0.480 $\pm$ 0.230 (0.188 - 0.744)	0.200 $\pm$ 0.012 (0.189 - 0.216)	0.323 $\pm$ 0.047	0.544 $\pm$ 0.102	0.209 $\pm$ 0.040 (0.174 - 0.266)	0.208 $\pm$ 0.021 (0.193 - 0.223)
Cd	0.076 $\pm$ 0.052 (0.026 - 0.205)	0.072 $\pm$ 0.051 (0.031 - 0.170)	0.091 $\pm$ 0.083 (0.026 - 0.205)	0.068 $\pm$ 0.036 (0.043 - 0.122)	0.078 $\pm$ 0.011	0.224 $\pm$ 0.044	0.085 $\pm$ 0.029 (0.043 - 0.105)	0.235 $\pm$ 0.019 (0.221 - 0.248)
Cr	4.377 $\pm$ 1.049 (3.235 - 6.931)	4.625 $\pm$ 1.442 (3.235 - 6.931)	3.904 $\pm$ 0.327 (3.463 - 4.222)	4.175 $\pm$ 0.475 (3.488 - 4.504)	5.090 $\pm$ 0.448	2.454 $\pm$ 0.425	6.405 $\pm$ 6.351 (2.603 - 15.865)	12.587 $\pm$ 7.627 (7.194 - 17.980)
Pb	3.168 $\pm$ 6.551 (0.332 - 28.107)	1.788 $\pm$ 1.640 (0.428 - 4.977)	7.374 $\pm$ 13.822 (0.332 - 28.107)	2.096 $\pm$ 0.794 (1.172 - 3.109)	1.664 $\pm$ 0.188	2.079 $\pm$ 0.332	1.334 $\pm$ 0.983 (0.475 - 2.689)	5.437 $\pm$ 0.537 (5.058 - 5.817)
Hg	0.131 $\pm$ 0.094 (0.038 - 0.411)	0.110 $\pm$ 0.046 (0.050 - 0.190)	0.180 $\pm$ 0.176 (0.042 - 0.411)	0.146 $\pm$ 0.062 (0.094 - 0.229)	0.038 $\pm$ 0.006	1.479 $\pm$ 0.372	0.105 $\pm$ 0.032 (0.070 - 0.141)	1.181 $\pm$ 0.388 (0.906 - 1.456)
Se	6.289 $\pm$ 4.996 (1.333 - 19.859)	8.637 $\pm$ 5.445 (1.461 - 19.859)	6.981 $\pm$ 4.105 (2.272 - 10.681)	1.977 $\pm$ 0.901 (1.333 - 3.308)	1.990 $\pm$ 0.224	7.174 $\pm$ 0.545	1.015 $\pm$ 0.093 (0.913 - 1.134)	4.217 $\pm$ 0.764 (3.677 - 4.757)
Tl	.702 $\pm$ 0.078 (<.529 - 0.866)	0.688 $\pm$ 0.038 (< 0.615 - 0.735)	0.659 $\pm$ 0.105 (<0.529 - 0.781)	<0.771 $\pm$ 0.091 (<0.651 - <0.866)	<0.699	<0.615	<0.778 $\pm$ 0.062 (<0.694 - <0.830)	<0.717 $\pm$ 0.078 (<0.662 - <0.772)

^a CR OU2 Rodents: Mean concentration found in all rodents collected within Chestnut Ridge OU2.

APPENDIX I

REPORT ON DETERMINING THE STATUS OF MICROBES IN POLLUTED SEDIMENTS USING THIN LAYER CHROMATOGRAPHY-FLAME IONIZATION DETECTION LIPID ANALYSIS

**DETERMINING THE STATUS OF MICROBES IN POLLUTED SEDIMENTS
USING THIN LAYER CHROMATOGRAPHY-FLAME IONIZATION
DETECTION LIPID ANALYSIS**

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INTRODUCTION

Steam operated power plants produce 67×10^6 metric tons of fly and bottom ash yearly from the burning of coal. Compared to typical soil, coal ash contains high concentrations of various toxic metals, such as arsenic (Ar), selenium (Se), etc. (Adriano *et al.*, 1980). Some coal ash constituents are also bioaccumulation hazards. Se, for example, is accumulated by legumes and asters, and strontium (Sr) is accumulated by many algae and some protozoans (Bowen, 1979).

Few studies have examined the effects of coal ash on microbial abundance, diversity, or metabolic activity (Klubek *et al.*, 1992). Klubek *et al.* (1992) found that the abundance, diversity, and metabolic activity of microorganisms increased with the age of coal ash basins. Wong and Wong (1986) attributed reduced rates of respiration and nitrogen (N_2) fixation to the high alkalinity of Asian coal ash, and suggested that high concentrations of trace metals could also be important. Arthur *et al.* (1984) showed that fly ash amendments to soil lowered CO_2 production; this affect was attributed to the inhibition of soil microbes by toxic concentrations of metals.

Microorganisms are important in decomposition and biogeochemical cycling of C, N, P, S, Fe, and other minerals. Benthic microflora are important in the benthic food web (White *et al.*, 1979). Industrial wastes and pollutants can interfere with microbial processes and, as a result, influence soil and water quality dramatically (Wong and Wong, 1986). Tunlid *et al.* (1992) state that several requirements must be met for a cellular component to be used to reliably calculate microbial biomass or activity. The component must occur in all living cells, should be quantitatively extractable, and exist in consistent concentrations in the cell. Phospholipids (PL) meet these requirements: they occur in all living cells, and are the most widely occurring class of lipids (Goldfine, 1982). Bacterial PL's are maintained in constant proportions to biomass under natural conditions. They are not used as storage compounds and break down rapidly after cell death (Balkwill *et al.*, 1988). For these reasons, bacterial PL's have been used to determine biomass and activity (White, 1977; White, 1979).

This study determined the effects of coal ash on N_2 fixing bacteria and microbial abundance; the latter was quantified using thin layer chromatography with flame ionization detection (TLC-FID). Volkman and Nichols (1991) used TLC-FID techniques to quantify lipid classes in polluted and nonpolluted marine sediments and seawater. Lipids from aquatic environments have been quantified within 85% of true gravimetric values (Parrish, 1987). Innis and Clandinin (1981) separated and quantified various PL's by multiple developments of the chromatography rods. This study involved the investigation of the McCoy Branch coal ash pond (8 hectares in area). The pond was created in 1955 by a 19-m high earthen dam. Coal ash slurry was pumped into the pond from the Department of Energy's (DOE) Y-12 Plant from 1955 until 1989 (Ryon *et al.*, 1992) and pond is now completely filled with ash. The water leaving the basin from beneath the dam contains elevated concentrations of various metals relative to intake water and a nearby noncontaminated spring (Table 1).

MATERIALS AND METHODS

The modified Bligh and Dyer (1959) lipid extraction method used by White *et al.* (1979b) was used, but with the following changes: 1), sediment was suspended in 30 mL of bacterial culture media, rather than 30 mL of 50 mM phosphate buffer and 2), the solids were removed by paper filtration before the solvent phases were separated by refrigerated centrifugation at 1500

rpm, rather than by separatory funnels then paper filtration. The lipids were dried gently under a stream of nitrogen, before being suspended in 1 mL of chloroform.

The TLC-FID equipment used in this study was an Iatroscan Mark-5 linked to an IBM-compatible computer system. Chromarod S-III silica gel coated quartz rods were used for TLC separation. PL standards including phosphatidylethanolamine (PE), cardiolipin (DPG), and phosphatidylcholine (PC) were obtained from Sigma Chemical Company. The TLC-FID procedures used were from Ranny (1987).

The Chromarods were spotted with 2 μ g of extract using a Hamilton repeating pipet. The spots on the rods were developed in a multiple development system using three different chromatography tanks; each contained different mixtures of solvents. After each development, the rods were dried for 10 min at 60 °C. The first development consisted of hexane:diethyl ether:acetic acid (80:20:0.1) by volume for 40 min. Next, 80% of the length of the rods was scanned. This allowed for the separation of hydrocarbons (HC), triglycerides (TG), free fatty acids (FFA), diglycerides (DG), and sterols (ST). The rods were then developed in pure acetone for 20 min, and 80% of the length of the rods was again scanned. This development separated the acetone-mobile polar lipids (AMPL). The last development was in chloroform:methanol:water (70:30:3) for 60 min. The rods were fully scanned after this development. The final development allowed for the separation of various PL's, including DPG, PE, and PC.

Fly ash pH was determined by the soil pH method used by Duxbury and Bicknell (1983). Organic content of fly ash was determined gravimetrically by ashing in a furnace at 500 °C for 24 h. Four samples from randomly selected sites were chosen at the McCoy Branch fly ash pond for pH measurements. For organic content determination, 30 g of fly ash were used.

Experiment 1

Rhizobium leguminosarum (strain USDA 2435) was cultured in 500 mL of yeast-mannitol broth for 120 h at 28 °C in a shaker bath (Williams, 1984). *Pseudomonas aeruginosa*, *Bacillus subtilis*, and *Acinetobacter calcoaceticus* were cultured in 200 mL of nutrient broth using standard procedures. All four of these organisms are common in soils. A larger culture of *R. leguminosarum* was used because it grows relatively slowly compared to the other bacteria. The bacteria were harvested from the cultures by centrifugation. Their PL were then extracted, and the amounts of DPG, PE, and PC were determined by TLC-FID. A standard consisting of a mixture of DPG, PE, and PC was analyzed by the Iatroscan to determine TLC-FID accuracy. Serial dilutions of a PE standard consisting of 1.25 mg/mL, 0.625 mg/mL, and 0.3125 mg/mL were analyzed to obtain a calibration curve for PE.

Experiment 2

R. leguminosarum was cultured in four different mixtures of fly ash and sand. The total dry weight of each mixture was 25 g. The first mixture contained 0% fly ash, the second 33%, the third 50%, and the fourth 100% (by mass). The mixtures were added to separate flasks, each containing 30 mL of yeast-mannitol broth, and autoclaved. After cooling, each flask was inoculated with 2 mL of *R. leguminosarum* culture. The contents of the flasks were incubated for 7 d at 28 °C. Lipids were extracted as described previously. This experiment used eight replicates of each mixture.

RESULTS

The pH for the four McCoy Branch fly ash pond sites was 6.2, 7.3, 6.9, and 6.3. The percentage of organic content was 27%, 29%, 32%, and 37% (the last was from a wooded site). The first development separated the neutral lipids, the second the acetone-mobile polar lipids (none demonstrated), and the third the phospholipids.

Experiment 1

The curve of PE standard in serial dilutions as determined by TLC-FID dilutions was nearly linear, and close to the theoretical values (Fig. 1). The standard deviations (STD) of the amounts of DPG, PE, and PC detected were low in the eight replications of the pure bacterial cultures demonstrating dependability (Fig. 2). The ratios of the means for PE:DPG:PC were consistent with Goldfine (1982).

Experiment 2

The amount of PE declined more rapidly than DPG and PC as the percentage of fly ash increased (Fig. 3). DPG, PE, and PC decline at about the same rate as the proportion of fly ash increased from 33% to 100%. The decline in total PL is similar to that noted for DPG, PE, and PC.

DISCUSSION

Innis and Clandinin (1981) separated and quantified various PL's from the mitochondria of rat hearts by TLC-FID. However, few studies have examined specific bacterial PL's by TLC-FID, and this study shows that various PL's can be separated from pure bacterial cultures. Large liquid cultures (e.g., one-L volume) work well. Collection of bacteria by centrifugation before lipid extraction reduces the volume of solvents required. Liquid culture would also allow for the use of effluent water in the preparation of bacterial media (or any other microbial media), e.g., for use in biological assays.

Lipid class analyses can be performed with coefficients of variations as low as 10% with sample amounts as small as 0.4 to 2 μ g (Ackman *et al.*, 1990). The Iatroscan MK-5 TLC-FID used in this study allowed consistent quantification of PE. The percent accuracy was consistent with or better than, the 85% level obtained by Parrish (1987)(Table 2). The response obtained during this study is probably due to the use of Chromarod S-III rods and Iatroscan MK-5 as opposed to the Chromarod S-II and Iatroscan MK-3 used by Parrish (1987). The quantities of DPG, PE, and PC detected in the pure bacterial cultures were consistent with those cited by Goldfine (1982).

In this study, DPG, PE, and PC (indicators of biomass) declined in *R. leguminosarum* sand-fly ash mixture cultures as the percent of fly ash increased. Lorenz *et al.* (1992) and McGrath *et al.* (1988) found that N₂ fixation (an enzymatic process) was sensitive to small amounts of toxic metals in sewage sludge. *Rhizobium* populations are known to decline in soils treated with sewage sludge (Reddy *et al.*, 1983).

A response to concentration by *R. leguminosarum* PL's to fly ash was evident. This response could be attributed to toxic metals, acting individually or synergistically, in the fly ash (Table 1). The sand-fly ash cultures had a pH of 6.5 (within the optimum range for *R.*

leguminosarum) for all of the replicates. The same amount of yeast-mannitol broth was added to each replicate.

The effect of specific metals on specific microorganisms could be studied by adding a metal or metals to culture media. The actual effect on growth could then be determined by the quantification of PL's by TLC-FID. For example, effluent water from McCoy Branch fly ash pond could be used in thiosulfate media to study *Thiobacillus ferrooxidans*. *T. ferrooxidans* utilizes high iron and sulfate concentrations, but what effect would the other metals have on this bacterium? *T. ferrooxidans* also grows at pH 4.0, at which the toxic effect of metals may be very high.

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TABLE 1. Metal constituents of McCoy Branch fly ash pond influent and effluent water compared to an uncontaminated spring (determined by atomic absorption).¹

ELEMENT	INFLUENT (mg/L)	EFFLUENT (mg/L)	SPRING (mg/L)
Aluminum	0.100	310.000	0.020
Arsenic	0.005	4.933	0.030
Barium	0.044	0.533	0.074
Boron	0.008	1.500	0.330
Cobalt	0.001	0.141	0.003
Copper	0.035	0.983	0.002
Iron	0.330	133.333	0.430
Nickel	0.006	0.353	0.006
Selenium	0.005	0.243	0.005
Silver	0.005	0.243	0.005
Strontium	0.067	7.900	0.910

¹Data from Ryon *et al.* (1992).**TABLE 2.** Percent accuracy of TLC-FID based on known amounts of three phospholipid standards.

PHOSPHOLIPID	MEAN $\pm$ SE (mg)	STANDARD D (mg)	ACCURACY (%)
Phosphatidylethanolamine ¹ (PE)	1.18 $\pm$ 0.13	1.25	94.4
Phosphatidylcholine ² (PC)	1.10 $\pm$ 0.08	1.25	88.0
Cardiolipin ² (DPG)	1.26 $\pm$ 0.07	1.30	96.9

¹Determined from 3 replicates.²Determined from 4 replicates.

Figure 1: Analysis of known amounts of phosphatidylethanolamine (PE) standard by TLC-FID lipid analysis (error bars show 1 SE).

Figure 2: Mean ($\pm$ SD) concentration of three phospholipids extracted from pure bacterial cultures. No PC detected in *Pseudomonas* or *Bacillus* cultures.

Figure 3: *Rhizobium leguminosarum* sand fly ash culture means ($\pm$ SD) of 3 phospholipids.

APPENDIX J

BASELINE HUMAN HEALTH RISK ASSESSMENT DATA

Table J.1a. Summary of tentatively identified compounds found in the Chestnut Ridge OU2 Phase II data set

Media	Number of TICs ^a Identified	Number of Analytes on Target Analyte List	Ratio of Number TICs to Number on TAL ^b (as a percentage)
Ash	8	97	8.2
Groundwater	4	97	4.1
Sediment	9	97	9.3
Soil (below ash)	8	97	8.2
Surface Water	5	97	5.2

^a TICs = Tentatively Identified Compounds

^b TAL = Target Analyte List

Table J.1b. Tentatively identified compounds found in the Chestnut Ridge OU2 Phase II data set

Tentatively Identified Compound	Number of Samples where TICs ^a were found	Total Number of VOC ^b Samples	Percentage of Samples where TICs were found	Number of TICs found in Samples	Mean TIC Conc. (mg/kg; mg/L)	Minimum TIC Conc. (mg/kg; mg/L)	Maximum TIC Conc. (mg/kg; mg/L)
Ash (mg/kg)							
Aldol	15	23	65.2	19	2.65E-01	1.70E-01	4.00E-01
Blank contaminant	1	23	4.3	1	8.60E-02	8.60E-02	8.60E-02
Laboratory artifact	22	23	95.7	30	1.02E+00	2.20E-02	7.80E+00
Tetrachloroethane	11	23	47.8	11	2.79E-01	1.50E-01	5.20E-01
Unknown	19	23	82.6	123	3.87E-01	5.60E-02	2.30E+00
Unknown carboxylic acid	3	23	13.0	7	6.20E-01	1.40E-01	2.20E+00
Unknown hydrocarbon	15	23	65.2	53	2.90E-01	1.20E-01	8.80E-01
Unknown phthalate	3	23	13.0	3	1.87E-01	1.10E-01	2.40E-01
Groundwater (mg/L)							
Laboratory artifact	4	9	44.4	4	1.10E-02	2.00E-03	2.80E-02
Oxygenated unknown	1	9	11.1	1	9.00E-03	9.00E-03	9.00E-03
Unknown	5	9	55.6	10	7.40E-03	2.00E-03	2.20E-02
Unknown carboxylic acid	1	9	11.1	1	4.00E-03	4.00E-03	4.00E-03
Sediment (mg/kg)							
Aldol	6	7	85.7	12	4.37E-01	1.80E-01	8.10E-01
Blank contaminant	1	7	14.3	2	4.05E-01	3.60E-01	4.50E-01
Cyclic unknown	1	7	14.3	1	1.80E-01	1.80E-01	1.80E-01

Table J.1b (continued)

Tentatively Identified Compound	Number of Samples where TICs ^a were found	Total Number of VOC ^b Samples	Percentage of Samples where TICs were found	Number of TICs found in Samples	Mean TIC Conc. (mg/kg; mg/L)	Minimum TIC Conc. (mg/kg; mg/L)	Maximum TIC Conc. (mg/kg; mg/L)
Laboratory artifact	6	7	85.7	6	6.88E-01	2.80E-01	1.70E+00
Methylmethylethyl-benzene	1	7	14.3	1	4.20E+00	4.20E+00	4.20E+00
Unknown	7	7	100.0	90	1.69E+00	7.70E-02	2.30E+01
Unknown carboxylic acid	1	7	14.3	1	1.80E-01	1.80E-01	1.80E-01
Unknown hydrocarbon	4	7	57.1	9	7.08E-01	1.90E-01	4.20E+00
Unknown PNA	1	7	14.3	1	5.90E-01	5.90E-01	5.90E-01
Soil (below ash) (mg/kg)							
Aldol	7	8	87.5	9	1.61E-01	8.20E-02	2.30E-01
Blank contaminant	4	8	50.0	5	1.03E-01	7.70E-02	1.60E-01
Laboratory artifact	7	8	87.5	13	1.34E+00	1.20E-01	5.30E+00
Tetrachloroethane	3	8	37.5	3	9.53E-02	7.80E-02	1.30E-01
Unknown	6	8	75.0	46	2.22E-01	2.40E-02	1.70E+00
Unknown carboxylic acid	1	8	12.5	1	1.60E-01	1.60E-01	1.60E-01
Unknown hydrocarbon	1	8	12.5	1	8.80E-02	8.80E-02	8.80E-02
Unknown phthalate	1	8	12.5	1	1.30E-01	1.30E-01	1.30E-01
Surface water (mg/L)							
Blank contaminant	3	10	30.0	9	3.22E-03	2.00E-03	6.00E-03
Laboratory artifact	5	10	50.0	5	5.80E-03	1.00E-03	1.40E-02

Table J.1b (continued)

Tentatively Identified Compound	Number of Samples where TICs ^a were found	Total Number of VOC ^b Samples	Percentage of Samples where TICs were found	Number of TICs found in Samples	Mean TIC Conc. (mg/kg; mg/L)	Minimum TIC Conc. (mg/kg; mg/L)	Maximum TIC Conc. (mg/kg; mg/L)
Unknown	6	10	60.0	28	2.26E-02	3.00E-03	3.10E-01
Unknown carboxylic acid	1	10	10.0	3	4.00E-03	3.00E-03	6.00E-03
Unknown hydrocarbon	1	10	10.0	2	9.00E-03	5.00E-03	1.30E-02

^a TICs = Tentatively Identified Compounds

^b VOC = Volatile Organic Compound

Table J.2a. Chestnut Ridge OU2 summary statistics—Sluice Channel

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
ASH					
<i>Inorganics (mg/kg)</i>					
Aluminum	3/3	8.12E+03	1.41E+04	1.08E+04	1.59E+04
Antimony	0/3			1.35E+01	1.56E+01
Arsenic	3/3	8.85E+01	1.59E+02	1.34E+02	1.99E+02
Barium	2/3	3.34E+02	4.21E+02	3.97E+02	4.89E+02
Beryllium	3/3	1.10E+00	1.60E+00	1.43E+00	1.92E+00
Cadmium	0/3			1.47E+00	1.70E+00
Calcium	3/3	4.18E+03	4.92E+03	4.57E+03	5.20E+03
Chromium VI	3/3	8.20E+00	1.71E+01	1.18E+01	1.97E+01
Cobalt	3/3	5.30E+00	2.86E+01	1.43E+01	3.54E+01
Copper	3/3	1.93E+01	7.01E+01	4.02E+01	8.50E+01
Iron	3/3	1.32E+04	1.83E+05	7.08E+04	2.35E+05
Lead	3/3	1.06E+01	1.78E+01	1.53E+01	2.21E+01
Magnesium	3/3	5.24E+02	1.01E+03	7.12E+02	1.15E+03
Manganese	3/3	2.45E+02	3.44E+02	3.01E+02	3.86E+02
Mercury	3/3	1.70E-01	6.10E-01	4.60E-01	8.83E-01
Nickel	3/3	1.34E+01	3.99E+01	2.34E+01	4.77E+01
Potassium	2/3	8.58E+02	1.92E+03	1.18E+03	2.26E+03
Selenium	3/3	2.50E+00	4.70E+00	3.67E+00	5.53E+00
Silver	0/3			2.93E+00	3.40E+00
Sodium	3/3	1.11E+02	3.42E+02	1.91E+02	4.12E+02
Thallium	0/3			1.17E+00	1.40E+00
Vanadium	3/3	3.31E+01	4.75E+01	3.85E+01	5.17E+01
Zinc	3/3	2.77E+01	4.00E+01	3.20E+01	4.37E+01
<i>Radionuclides (pCi/g)</i>					
Thorium-228	3/3	9.70E-01	1.10E+00	1.06E+00	1.18E+00
Thorium-230	2/3	2.70E+00	2.90E+00	2.60E+00	3.21E+00
Thorium-232	3/3	9.50E-01	1.30E+00	1.12E+00	1.41E+00
Uranium-234	3/3	3.20E+00	4.40E+00	3.73E+00	4.76E+00
Uranium-235	3/3	9.90E-02	1.70E-01	1.43E-01	2.08E-01
Uranium-238	3/3	2.10E+00	3.30E+00	2.83E+00	3.92E+00

Table J.2a (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
<i>Organics (mg/kg)</i>					
1,2,4-Trichlorobenzene	0/3			4.77E-01	5.50E-01
1,2-Dichlorobenzene	0/3			4.77E-01	5.50E-01
1,3-Dichlorobenzene	0/3			4.77E-01	5.50E-01
1,4-Dichlorobenzene	0/3			4.77E-01	5.50E-01
2,2'-Oxybis(1-Chloro-propane)	0/3			4.77E-01	5.50E-01
2,4,5-Trichlorophenol	0/3			1.13E+00	1.30E+00
2,4,6-Trichlorophenol	0/3			4.77E-01	5.50E-01
2,4-Dichlorophenol	0/3			4.77E-01	5.50E-01
2,4-Dimethylphenol	0/3			4.77E-01	5.50E-01
2,4-Dinitrophenol	0/3			1.13E+00	1.30E+00
2,4-Dinitrotoluene	0/3			4.77E-01	5.50E-01
2,6-Dinitrotoluene	0/3			4.77E-01	5.50E-01
2-Chloronaphthalene	0/3			4.77E-01	5.50E-01
2-Chlorophenol	0/3			4.77E-01	5.50E-01
2-Methylnaphthalene	0/3			4.77E-01	5.50E-01
2-Methylphenol	0/3			4.77E-01	5.50E-01
2-Nitroaniline	0/3			1.13E+00	1.30E+00
2-Nitrophenol	0/3			4.77E-01	5.50E-01
3,3'-Dichlorobenzidine	0/3			4.77E-01	5.50E-01
3-Nitroaniline	0/3			1.13E+00	1.30E+00
4,6-Dinitro-2-Methyl-phenol	0/3			1.13E+00	1.30E+00
4-Bromophenyl-phenylether	0/3			4.77E-01	5.50E-01
4-Chloro-3-Methyl-phenol	0/3			4.77E-01	5.50E-01
4-Chloroaniline	0/3			4.77E-01	5.50E-01
4-Chlorophenyl-phenylether	0/3			4.77E-01	5.50E-01
4-Methylphenol	0/3			4.77E-01	5.50E-01
4-Nitroaniline	0/3			1.13E+00	1.30E+00
4-Nitrophenol	0/3			1.13E+00	1.30E+00

Table J.2a (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Acenaphthene	0/3			4.77E-01	5.50E-01
Acenaphthylene	0/3			4.77E-01	5.50E-01
Anthracene	0/3			4.77E-01	5.50E-01
Benzo(a)Anthracene	0/3			4.77E-01	5.50E-01
Benzo(a)Pyrene	0/3			4.77E-01	5.50E-01
Benzo(b)Fluoranthene	0/3			4.77E-01	5.50E-01
Benzo(g,h,i)Perylene	0/3			4.77E-01	5.50E-01
Benzo(k)Fluoranthene	0/3			4.77E-01	5.50E-01
Butylbenzylphthalate	0/3			4.77E-01	5.50E-01
Carbazole	0/3			4.77E-01	5.50E-01
Chrysene	0/3			4.77E-01	5.50E-01
Di-n-Butylphthalate	0/3			4.77E-01	5.50E-01
Di-n-Octylphthalate	0/3			4.77E-01	5.50E-01
Dibenz(a,h)Anthracene	0/3			4.77E-01	5.50E-01
Dibenzofuran	0/3			4.77E-01	5.50E-01
Diethylphthalate	0/3			4.77E-01	5.50E-01
Dimethyl Phthalate	0/3			4.77E-01	5.50E-01
Fluoranthene	0/3			4.77E-01	5.50E-01
Fluorene	0/3			4.77E-01	5.50E-01
Hexachlorobenzene	0/3			4.77E-01	5.50E-01
Hexachlorobutadiene	0/3			4.77E-01	5.50E-01
Hexachlorocyclopentadiene	0/3			4.77E-01	5.50E-01
Hexachloroethane	0/3			4.77E-01	5.50E-01
Indeno(1,2,3-cd)Pyrene	0/3			4.77E-01	5.50E-01
Isophorone	0/3			4.77E-01	5.50E-01
N-Nitroso-Di-n-Propyl-amine	0/3			4.77E-01	5.50E-01
N-Nitrosodiphenyl-amine	0/3			4.77E-01	5.50E-01
Naphthalene	0/3			4.77E-01	5.50E-01
Nitrobenzene	0/3			4.77E-01	5.50E-01
Pentachlorophenol	0/3			1.13E+00	1.30E+00
Phenanthrene	0/3			4.77E-01	5.50E-01

Table J.2a (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Phenol	0/3			4.77E-01	5.50E-01
Pyrene	0/3			4.77E-01	5.50E-01
bis(2-Chloroethoxy)-Methane	0/3			4.77E-01	5.50E-01
bis(2-Chloroethyl)Ether	0/3			4.77E-01	5.50E-01
bis(2-Ethylhexyl)-Phthalate	0/3			4.77E-01	5.50E-01
SOIL (below ash)					
<i>Inorganics (mg/kg)</i>					
Aluminum	3/3	5.67E+03	1.14E+04	7.71E+03	1.31E+04
Antimony	0/3			1.10E+01	1.13E+01
Arsenic	3/3	9.40E+00	5.12E+01	3.69E+01	7.70E+01
Barium	3/3	7.11E+01	1.25E+02	9.23E+01	1.41E+02
Beryllium	0/3			4.80E-01	4.90E-01
Cadmium	0/3			1.20E+00	1.20E+00
Calcium	3/3	5.17E+02	8.94E+02	6.80E+02	1.01E+03
Chromium VI	3/3	1.29E+01	1.66E+01	1.49E+01	1.80E+01
Cobalt	3/3	7.40E+00	1.32E+01	1.01E+01	1.50E+01
Copper	2/3	6.10E+00	6.40E+00	6.17E+00	6.52E+00
Iron	3/3	1.30E+04	1.64E+04	1.45E+04	1.74E+04
Lead	3/3	1.75E+01	2.54E+01	2.26E+01	3.00E+01
Magnesium	3/3	1.25E+02	3.79E+02	2.45E+02	4.60E+02
Manganese	3/3	7.22E+02	1.92E+03	1.36E+03	2.37E+03
Mercury	1/3	1.40E-01	1.40E-01	1.27E-01	1.46E-01
Nickel	2/3	8.00E+00	8.10E+00	7.80E+00	8.53E+00
Potassium	0/3			5.36E+02	5.49E+02
Selenium	2/2	9.70E-01	1.10E+00	1.04E+00	1.45E+00
Silver	0/3			2.40E+00	2.40E+00
Sodium	2/3	3.49E+01	3.72E+01	3.42E+01	4.00E+01
Thallium	0/3			9.57E-01	9.80E-01
Vanadium	3/3	2.21E+01	3.24E+01	2.77E+01	3.64E+01
Zinc	3/3	1.87E+01	2.10E+01	1.98E+01	2.17E+01

Table J.2a (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95% Confidence Limit on Mean
<i>Radionuclides (pCi/g)</i>					
Thorium-228	3/3	4.20E-01	8.40E-01	6.33E-01	9.87E-01
Thorium-230	1/3	1.40E+00	1.40E+00	1.40E+00	1.57E+00
Thorium-232	3/3	4.60E-01	9.20E-01	7.20E-01	1.12E+00
Uranium-234	3/3	8.40E-01	1.20E+00	1.05E+00	1.36E+00
Uranium-235	1/3	9.00E-02	9.00E-02	4.50E-02	1.11E-01
Uranium-238	3/3	7.20E-01	1.20E+00	1.04E+00	1.51E+00
<i>Organics (mg/kg)</i>					
1,2,4-Trichlorobenzene	0/3			3.90E-01	4.00E-01
1,2-Dichlorobenzene	0/3			3.90E-01	4.00E-01
1,3-Dichlorobenzene	0/3			3.90E-01	4.00E-01
1,4-Dichlorobenzene	0/3			3.90E-01	4.00E-01
2,2'-Oxybis(1-Chloropropane)	0/3			3.90E-01	4.00E-01
2,4,5-Trichlorophenol	0/3			9.47E-01	9.70E-01
2,4,6-Trichlorophenol	0/3			3.90E-01	4.00E-01
2,4-Dichlorophenol	0/3			3.90E-01	4.00E-01
2,4-Dimethylphenol	0/3			3.90E-01	4.00E-01
2,4-Dinitrophenol	0/3			9.47E-01	9.70E-01
2,4-Dinitrotoluene	0/3			3.90E-01	4.00E-01
2,6-Dinitrotoluene	0/3			3.90E-01	4.00E-01
2-Chloronaphthalene	0/3			3.90E-01	4.00E-01
2-Chlorophenol	0/3			3.90E-01	4.00E-01
2-Methylnaphthalene	0/3			3.90E-01	4.00E-01
2-Methylphenol	0/3			3.90E-01	4.00E-01
2-Nitroaniline	0/3			9.47E-01	9.70E-01
2-Nitrophenol	0/3			3.90E-01	4.00E-01
3,3'-Dichlorobenzidine	0/3			3.90E-01	4.00E-01
3-Nitroaniline	0/3			9.47E-01	9.70E-01
4,6-Dinitro-2-Methylphenol	0/3			9.47E-01	9.70E-01

Table J.2a (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95% Confidence Limit on Mean
4-Bromophenyl phenylether	0/3			3.90E-01	4.00E-01
4-Chloro-3-Methyl-phenol	0/3			3.90E-01	4.00E-01
4-Chloroaniline	0/3			3.90E-01	4.00E-01
4-Chlorophenyl-phenylether	0/3			3.90E-01	4.00E-01
4-Methylphenol	0/3			3.90E-01	4.00E-01
4-Nitroaniline	0/3			9.47E-01	9.70E-01
4-Nitrophenol	0/3			9.47E-01	9.70E-01
Acenaphthene	0/3			3.90E-01	4.00E-01
Acenaphthylene	0/3			3.90E-01	4.00E-01
Anthracene	0/3			3.90E-01	4.00E-01
Benzo(a)Anthracene	0/3			3.90E-01	4.00E-01
Benzo(a)Pyrene	0/3			3.90E-01	4.00E-01
Benzo(b)Fluoranthene	0/3			3.90E-01	4.00E-01
Benzo(g,h,i)Perylene	0/3			3.90E-01	4.00E-01
Benzo(k)Fluoranthene	0/3			3.90E-01	4.00E-01
Butylbenzylphthalate	2/3	4.80E-02	5.30E-02	1.67E-01	5.07E-01
Carbazole	0/3			3.90E-01	4.00E-01
Chrysene	0/3			3.90E-01	4.00E-01
Di-n-Butylphthalate	0/3			3.90E-01	4.00E-01
Di-n-Octylphthalate	0/3			3.90E-01	4.00E-01
Dibenz(a,h)Anthracene	0/3			3.90E-01	4.00E-01
Dibenzofuran	0/3			3.90E-01	4.00E-01
Diethylphthalate	0/3			3.90E-01	4.00E-01
Dimethyl Phthalate	0/3			3.90E-01	4.00E-01
Fluoranthene	0/3			3.90E-01	4.00E-01
Fluorene	0/3			3.90E-01	4.00E-01
Hexachlorobenzene	0/3			3.90E-01	4.00E-01
Hexachlorobutadiene	0/3			3.90E-01	4.00E-01
Hexachlorocyclopentadiene	0/3			3.90E-01	4.00E-01
Hexachloroethane	0/3			3.90E-01	4.00E-01

Table J.2a (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Indeno(1,2,3-cd)Pyrene	0/3			3.90E-01	4.00E-01
Isophorone	0/3			3.90E-01	4.00E-01
N-Nitroso-Di-n-Propyl-amine	0/3			3.90E-01	4.00E-01
N-Nitrosodiphenyl-amine	0/3			3.90E-01	4.00E-01
Naphthalene	0/3			3.90E-01	4.00E-01
Nitrobenzene	0/3			3.90E-01	4.00E-01
Pentachlorophenol	0/3			9.47E-01	9.70E-01
Phenanthrene	0/3			3.90E-01	4.00E-01
Phenol	0/3			3.90E-01	4.00E-01
Pyrene	0/3			3.90E-01	4.00E-01
bis(2-Chloroethoxy)-Methane	0/3			3.90E-01	4.00E-01
bis(2-Chloroethyl)Ether	0/3			3.90E-01	4.00E-01
bis(2-Ethylhexyl)-Phthalate	0/3			3.90E-01	4.00E-01

Table J.2b. Chestnut Ridge OU2 Summary Statistics—Filled Coal Ash Pond

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95% Confidence Limit on Mean
ASH					
<i>Inorganics (mg/kg)</i>					
Aluminum	15/15	1.16E+04	3.29E+04	1.93E+04	2.19E+04
Antimony	0/15			1.73E+01	2.26E+01
Arsenic	15/15	4.65E+01	1.93E+02	1.10E+02	1.31E+02
Barium	15/15	2.38E+02	6.30E+02	4.02E+02	4.50E+02
Beryllium	15/15	1.10E+00	7.50E+00	3.53E+00	4.39E+00
Cadmium	0/15			2.19E+00	3.10E+00
Calcium	15/15	2.97E+03	6.94E+03	4.97E+03	5.60E+03
Chromium VI	15/15	8.90E+00	4.21E+01	2.14E+01	2.51E+01
Cobalt	15/15	5.20E+00	2.98E+01	1.61E+01	1.93E+01
Copper	15/15	2.51E+01	1.01E+02	5.91E+01	6.91E+01
Iron	15/15	1.23E+04	8.82E+04	2.95E+04	3.77E+04
Lead	15/15	8.60E+00	2.73E+01	1.60E+01	1.88E+01
Magnesium	15/15	1.08E+03	2.40E+03	1.58E+03	1.75E+03
Manganese	15/15	3.41E+01	2.88E+02	1.24E+02	1.52E+02
Mercury	14/15	2.00E-01	1.30E+00	5.47E-01	7.05E-01
Nickel	14/15	1.23E+01	5.60E+01	3.00E+01	3.60E+01
Potassium	15/15	2.59E+03	6.21E+03	4.04E+03	4.50E+03
Selenium	15/15	4.60E+00	3.08E+01	1.12E+01	1.48E+01
Silver	0/15			3.50E+00	4.50E+00
Sodium	15/15	5.46E+02	1.08E+03	6.74E+02	7.41E+02
Thallium	4/15	1.70E+00	3.20E+00	1.98E+00	2.21E+00
Vanadium	15/15	3.29E+01	1.23E+02	7.34E+01	8.49E+01
Zinc	15/15	2.22E+01	8.31E+01	4.64E+01	5.39E+01
<i>Radionuclides (pCi/g)</i>					
Thorium-228	15/15	1.20E+00	2.70E+00	1.95E+00	2.17E+00
Thorium-230	15/15	2.60E+00	5.80E+00	3.63E+00	4.02E+00
Thorium-232	15/15	1.20E+00	2.70E+00	1.92E+00	2.12E+00
Uranium-234	15/15	2.20E+00	4.80E+00	3.49E+00	3.87E+00
Uranium-235	15/15	9.00E-02	3.50E-01	1.98E-01	2.35E-01
Uranium-238	15/15	2.30E+00	5.10E+00	3.47E+00	3.87E+00

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
<i>Organics (mg/kg)</i>					
1,1,1-Trichloroethane	0/2			2.00E-02	2.20E-02
1,1,2,2-Tetrachloroethane	0/2			2.00E-02	2.20E-02
1,1,2-Trichloroethane	0/2			2.00E-02	2.20E-02
1,1-Dichloroethane	0/3			2.07E-02	2.20E-02
1,1-Dichloroethene	0/3			2.07E-02	2.20E-02
1,2,4-Trichlorobenzene	0/14			7.10E-01	8.60E-01
1,2-Dichlorobenzene	0/14			7.10E-01	8.60E-01
1,2-Dichloroethane	0/3			2.07E-02	2.20E-02
1,2-Dichloroethene (total)	0/3			2.07E-02	2.20E-02
1,2-Dichloropropane	0/2			2.00E-02	2.20E-02
1,3-Dichlorobenzene	0/14			7.10E-01	8.60E-01
1,4-Dichlorobenzene	0/14			7.10E-01	8.60E-01
2,2'-Oxybis(1-Chloropropane)	0/14			7.10E-01	8.60E-01
2,4,5-Trichlorophenol	0/15			1.71E+00	2.10E+00
2,4,6-Trichlorophenol	0/15			7.03E-01	8.60E-01
2,4-Dichlorophenol	0/15			7.03E-01	8.60E-01
2,4-Dimethylphenol	0/15			7.03E-01	8.60E-01
2,4-Dinitrophenol	0/15			1.71E+00	2.10E+00
2,4-Dinitrotoluene	0/14			7.10E-01	8.60E-01
2,6-Dinitrotoluene	0/14			7.10E-01	8.60E-01
2-Butanone	0/3			2.07E-02	2.20E-02
2-Chloronaphthalene	0/14			7.10E-01	8.60E-01
2-Chlorophenol	0/15			7.03E-01	8.60E-01
2-Hexanone	0/2			2.00E-02	2.20E-02
2-Methylnaphthalene	1/14	9.30E-02	9.30E-02	6.55E-01	7.41E-01
2-Methylphenol	0/15			7.03E-01	8.60E-01
2-Nitroaniline	0/14			1.73E+00	2.10E+00
2-Nitrophenol	0/15			7.03E-01	8.60E-01
3,3'-Dichlorobenzidine	0/14			7.10E-01	8.60E-01
3-Nitroaniline	0/14			1.73E+00	2.10E+00

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95% Confidence Limit on Mean
4,4'-DDD	0/3			6.77E-03	7.20E-03
4,4'-DDE	0/3			6.83E-03	7.30E-03
4,4'-DDT	0/3			6.83E-03	7.30E-03
4,6-Dinitro-2-Methyl-phenol	0/15			1.71E+00	2.10E+00
4-Bromophenyl-phenyl ether	0/14			7.10E-01	8.60E-01
4-Chloro-3-Methyl-phenol	0/15			7.03E-01	8.60E-01
4-Chloroaniline	0/14			7.10E-01	8.60E-01
4-Chlorophenyl-phenylether	0/14			7.10E-01	8.60E-01
4-Methyl-2-Pentanone	0/2			2.00E-02	2.20E-02
4-Methylphenol	0/15			7.03E-01	8.60E-01
4-Nitroaniline	0/14			1.73E+00	2.10E+00
4-Nitrophenol	0/15			1.71E+00	2.10E+00
Acenaphthene	0/14			7.10E-01	8.60E-01
Acenaphthylene	0/14			7.10E-01	8.60E-01
Acetone	0/3			1.73E-01	2.40E-01
Aldrin	0/3			3.53E-03	3.80E-03
Anthracene	0/14			7.10E-01	8.60E-01
Aroclor-1016	0/3			6.83E-02	7.30E-02
Aroclor-1221	0/3			1.40E-01	1.50E-01
Aroclor-1232	0/3			6.83E-02	7.30E-02
Aroclor-1242	0/3			6.83E-02	7.30E-02
Aroclor-1248	0/3			6.83E-02	7.30E-02
Aroclor-1254	0/3			6.83E-02	7.30E-02
Aroclor-1260	0/3			6.83E-02	7.30E-02
Benzene	0/2			2.00E-02	2.20E-02
Benzo(a)Anthracene	0/14			7.10E-01	8.60E-01
Benzo(a)Pyrene	0/14			7.10E-01	8.60E-01
Benzo(b)Fluoranthene	0/14			7.10E-01	8.60E-01
Benzo(g,h,i)Perylene	0/14			7.10E-01	8.60E-01
Benzo(k)Fluoranthene	0/14			7.10E-01	8.60E-01

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Bromodichloromethane	0/2			2.00E-02	2.20E-02
Bromoform	0/2			2.00E-02	2.20E-02
Bromomethane	0/3			2.07E-02	2.20E-02
Butylbenzylphthalate	4/14	7.10E-02	1.10E-01	5.48E-01	6.95E-01
Carbazole	0/14			7.10E-01	8.60E-01
Carbon Disulfide	0/3			2.07E-02	2.20E-02
Carbon Tetrachloride	0/2			2.00E-02	2.20E-02
Chlorobenzene	0/2			2.00E-02	2.20E-02
Chloroethane	0/3			2.07E-02	2.20E-02
Chloroform	1/3	2.00E-03	2.00E-03	1.40E-02	3.18E-02
Chloromethane	0/3			2.07E-02	2.20E-02
Chrysene	0/14			7.10E-01	8.60E-01
Di-n-Butylphthalate	0/14			7.10E-01	8.60E-01
Di-n-Octylphthalate	0/14			7.10E-01	8.60E-01
Dibenz(a,h)Anthracene	0/14			7.10E-01	8.60E-01
Dibenzofuran	0/14			7.10E-01	8.60E-01
Dibromochloromethane	0/2			2.00E-02	2.20E-02
Dieldrin	0/3			6.83E-03	7.30E-03
Diethylphthalate	0/14			7.10E-01	8.60E-01
Dimethylphthalate	0/14			7.10E-01	8.60E-01
Endosulfan I	0/3			3.53E-03	3.80E-03
Endosulfan II	0/3			6.83E-03	7.30E-03
Endosulfan sulfate	0/3			6.83E-03	7.30E-03
Endrin	0/3			6.83E-03	7.30E-03
Endrin aldehyde	0/3			6.83E-03	7.30E-03
Endrin ketone	0/3			6.83E-03	7.30E-03
Ethylbenzene	0/2			2.00E-02	2.20E-02
Fluoranthene	0/14			7.10E-01	8.60E-01
Fluorene	0/14			7.10E-01	8.60E-01
Heptachlor	0/3			3.53E-03	3.80E-03
Heptachlor epoxide	0/3			3.53E-03	3.80E-03
Hexachlorobenzene	0/14			7.10E-01	8.60E-01
Hexachlorobutadiene	0/14			7.10E-01	8.60E-01

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Hexachlorocyclopentadiene	0/14			7.10E-01	8.60E-01
Hexachloroethane	0/14			7.10E-01	8.60E-01
Indeno(1,2,3-cd)Pyrene	0/14			7.10E-01	8.60E-01
Isophorone	0/14			7.10E-01	8.60E-01
Methoxychlor	0/3			3.53E-02	3.80E-02
Methylene Chloride	0/3			1.11E-01	1.70E-01
N-Nitroso-Di-n-Propyl-amine	0/14			7.10E-01	8.60E-01
N-Nitrosodiphenyl-amine	0/14			7.10E-01	8.60E-01
Naphthalene	0/14			7.10E-01	8.60E-01
Nitrobenzene	0/14			7.10E-01	8.60E-01
Pentachlorophenol	0/15			1.71E+00	2.10E+00
Phenanthrene	0/14			7.10E-01	8.60E-01
Phenol	0/17			7.05E-01	8.60E-01
Pyrene	0/16			7.11E-01	8.60E-01
Styrene	0/2			2.00E-02	2.20E-02
Tetrachloroethene	0/2			2.00E-02	2.20E-02
Toluene	0/2			2.00E-02	2.20E-02
Toxaphene	0/3			3.53E-01	3.80E-01
Trichloroethene	0/2			2.00E-02	2.20E-02
Vinyl Chloride	0/3			2.07E-02	2.20E-02
Xylene (total)	0/2			2.00E-02	2.20E-02
alpha-BHC	1/3	3.00E-04	3.00E-04	2.37E-03	5.43E-03
alpha-Chlordane	0/3			3.53E-03	3.80E-03
beta-BHC	0/3			3.53E-03	3.80E-03
bis(2-Chloroethoxy)-Methane	0/14			7.10E-01	8.60E-01
bis(2-Chloroethyl)Ether	0/14			7.10E-01	8.60E-01
bis(2-Ethylhexyl)-Phthalate	2/15	1.80E-01	2.70E-01	6.40E-01	7.26E-01
cis-1,3-Dichloropropene	0/2			2.00E-02	2.20E-02
delta-BHC	0/3			3.53E-03	3.80E-03

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
gamma-BHC	0/3			3.53E-03	3.80E-03
gamma-Chlordane	0/3			3.53E-03	3.80E-03
trans-1,3-Dichloro-propene	0/2			2.00E-02	2.20E-02
SEDIMENT					
<i>Inorganics (mg/kg)</i>					
Aluminum	2/2	1.06E+04	1.15E+04	1.11E+04	1.39E+04
Antimony	0/2			2.38E+01	3.48E+01
Arsenic	2/2	1.00E+01	7.66E+01	4.33E+01	2.54E+02
Barium	2/2	4.36E+01	9.81E+01	7.09E+01	2.43E+02
Beryllium	2/2	7.80E-01	2.10E+00	1.44E+00	5.61E+00
Cadmium	0/2			2.60E+00	3.80E+00
Calcium	2/2	1.45E+03	3.71E+03	2.58E+03	9.71E+03
Chromium VI	2/2	1.45E+01	3.29E+01	2.37E+01	8.18E+01
Cobalt	2/2	8.50E+00	1.11E+01	9.80E+00	1.80E+01
Copper	1/2	1.21E+01	1.21E+01	1.55E+01	3.70E+01
Iron	2/2	9.55E+03	3.01E+04	1.98E+04	8.47E+04
Lead	2/2	1.82E+01	2.48E+01	2.15E+01	4.23E+01
Magnesium	2/2	7.27E+02	1.23E+03	9.79E+02	2.57E+03
Manganese	2/2	3.63E+02	9.76E+02	6.70E+02	2.60E+03
Mercury	0/2			2.60E-01	3.80E-01
Nickel	1/2	1.63E+01	1.63E+01	1.99E+01	4.26E+01
Potassium	1/2	7.48E+02	7.48E+02	1.22E+03	4.19E+03
Selenium	1/2	1.00E+00	1.00E+00	1.65E+00	5.75E+00
Silver	0/2			5.20E+00	7.60E+00
Sodium	2/2	2.18E+02	5.41E+02	3.80E+02	1.40E+03
Thallium	0/2			2.05E+00	3.00E+00
Vanadium	2/2	2.37E+01	3.55E+01	2.96E+01	6.69E+01
Zinc	2/2	4.00E+01	5.82E+01	4.91E+01	1.07E+02
<i>Radionuclides (pCi/g)</i>					
Thorium-228	2/2	6.30E-01	7.30E-01	6.80E-01	9.96E-01
Thorium-230	0/2			2.75E+00	3.80E+00

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Thorium-232	2/2	4.50E-01	1.60E+00	1.03E+00	4.66E+00
Uranium-234	2/2	2.00E+00	3.90E+00	2.95E+00	8.95E+00
Uranium-235	2/2	2.50E-01	2.90E-01	2.70E-01	3.96E-01
Uranium-238	2/2	1.60E+00	3.00E+00	2.30E+00	6.72E+00
<i>Organics (mg/kg)</i>					
1,1,1-Trichloroethane	0/2			2.60E-02	3.80E-02
1,1,2,2-Tetrachloroethane	0/2			2.60E-02	3.80E-02
1,1,2-Trichloroethane	0/2			2.60E-02	3.80E-02
1,1-Dichloroethane	0/2			2.60E-02	3.80E-02
1,1-Dichloroethene	0/2			2.60E-02	3.80E-02
1,2,4-Trichlorobenzene	0/2			8.80E-01	1.30E+00
1,2-Dichlorobenzene	0/2			8.80E-01	1.30E+00
1,2-Dichloroethane	0/2			2.60E-02	3.80E-02
1,2-Dichloroethene (total)	0/2			2.60E-02	3.80E-02
1,2-Dichloropropane	0/2			2.60E-02	3.80E-02
1,3-Dichlorobenzene	0/2			8.80E-01	1.30E+00
1,4-Dichlorobenzene	0/2			8.80E-01	1.30E+00
2,2'-Oxybis(1-Chloropropane)	0/2			8.80E-01	1.30E+00
2,4,5-Trichlorophenol	0/2			2.10E+00	3.10E+00
2,4,6-Trichlorophenol	0/2			8.80E-01	1.30E+00
2,4-Dichlorophenol	0/2			8.80E-01	1.30E+00
2,4-Dimethylphenol	0/2			8.80E-01	1.30E+00
2,4-Dinitrophenol	0/2			2.10E+00	3.10E+00
2,4-Dinitrotoluene	0/2			8.80E-01	1.30E+00
2,6-Dinitrotoluene	0/2			8.80E-01	1.30E+00
2-Butanone	0/2			2.60E-02	3.80E-02
2-Chloronaphthalene	0/2			8.80E-01	1.30E+00
2-Chlorophenol	0/2			8.80E-01	1.30E+00
2-Hexanone	0/2			2.60E-02	3.80E-02
2-Methylnaphthalene	0/2			8.80E-01	1.30E+00
2-Methylphenol	0/2			8.80E-01	1.30E+00

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
2-Nitroaniline	0/2			2.10E+00	3.10E+00
2-Nitrophenol	0/2			8.80E-01	1.30E+00
3,3'-Dichlorobenzidine	0/2			8.80E-01	1.30E+00
3-Nitroaniline	0/2			2.10E+00	3.10E+00
4,6-Dinitro-2-Methylphenol	0/2			2.10E+00	3.10E+00
4-Bromophenylphenylether	0/2			8.80E-01	1.30E+00
4-Chloro-3-Methylphenol	0/2			8.80E-01	1.30E+00
4-Chloroaniline	0/2			8.80E-01	1.30E+00
4-Chlorophenylphenylether	0/2			8.80E-01	1.30E+00
4-Methyl-2-Pentanone	0/2			2.60E-02	3.80E-02
4-Methylphenol	1/2	1.10E+00	1.10E+00	7.80E-01	2.80E+00
4-Nitroaniline	0/2			2.10E+00	3.10E+00
4-Nitrophenol	0/2			2.10E+00	3.10E+00
Acenaphthene	0/2			8.80E-01	1.30E+00
Acenaphthylene	0/2			8.80E-01	1.30E+00
Acetone	0/2			2.60E-02	3.80E-02
Anthracene	0/2			8.80E-01	1.30E+00
Benzene	0/2			2.60E-02	3.80E-02
Benzo(a)Anthracene	0/2			8.80E-01	1.30E+00
Benzo(a)Pyrene	0/2			8.80E-01	1.30E+00
Benzo(b)Fluoranthene	0/2			8.80E-01	1.30E+00
Benzo(g,h,i)Perylene	0/2			8.80E-01	1.30E+00
Benzo(k)Fluoranthene	0/2			8.80E-01	1.30E+00
Bromodichloromethane	0/2			2.60E-02	3.80E-02
Bromoform	0/2			2.60E-02	3.80E-02
Bromomethane	0/2			2.60E-02	3.80E-02
Butylbenzylphthalate	1/2	1.70E-01	1.70E-01	3.15E-01	1.23E+00
Carbazole	0/2			8.80E-01	1.30E+00
Carbon Disulfide	0/2			2.60E-02	3.80E-02

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Carbon Tetrachloride	0/2			2.60E-02	3.80E-02
Chlorobenzene	0/2			2.60E-02	3.80E-02
Chloroethane	0/2			2.60E-02	3.80E-02
Chloroform	0/2			2.60E-02	3.80E-02
Chloromethane	0/2			2.60E-02	3.80E-02
Chrysene	0/2			8.80E-01	1.30E+00
Di-n-Butylphthalate	1/2	1.60E-01	1.60E-01	3.10E-01	1.26E+00
Di-n-Octylphthalate	0/2			8.80E-01	1.30E+00
Dibenz(a,h)Anthracene	0/2			8.80E-01	1.30E+00
Dibenzofuran	0/2			8.80E-01	1.30E+00
Dibromochloromethane	0/2			2.60E-02	3.80E-02
Diethylphthalate	0/2			8.80E-01	1.30E+00
Dimethylphthalate	0/2			8.80E-01	1.30E+00
Ethylbenzene	0/2			2.60E-02	3.80E-02
Fluoranthene	0/2			8.80E-01	1.30E+00
Fluorene	0/2			8.80E-01	1.30E+00
Hexachlorobenzene	0/2			8.80E-01	1.30E+00
Hexachlorobutadiene	0/2			8.80E-01	1.30E+00
Hexachlorocyclopentadiene	0/2			8.80E-01	1.30E+00
Hexachloroethane	0/2			8.80E-01	1.30E+00
Indeno(1,2,3-cd)Pyrene	0/2			8.80E-01	1.30E+00
Isophorone	0/2			8.80E-01	1.30E+00
Methylene Chloride	0/2			2.60E-02	3.80E-02
N-Nitroso-Di-n-Propyl-amine	0/2			8.80E-01	1.30E+00
N-Nitrosodiphenyl-amine	0/2			8.80E-01	1.30E+00
Naphthalene	0/2			8.80E-01	1.30E+00
Nitrobenzene	0/2			8.80E-01	1.30E+00
Pentachlorophenol	0/2			2.10E+00	3.10E+00
Phenanthrene	0/2			8.80E-01	1.30E+00
Phenol	0/2			8.80E-01	1.30E+00
Pyrene	0/2			8.80E-01	1.30E+00

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Styrene	0/2			2.60E-02	3.80E-02
Tetrachloroethene	0/2			2.60E-02	3.80E-02
Toluene	0/2			2.60E-02	3.80E-02
Trichloroethene	0/2			2.60E-02	3.80E-02
Vinyl Chloride	0/2			2.60E-02	3.80E-02
Xylene (total)	0/2			2.60E-02	3.80E-02
bis(2-Chloroethoxy)-Methane	0/2			8.80E-01	1.30E+00
bis(2-Chloroethyl)-Ether	0/2			8.80E-01	1.30E+00
bis(2-Ethylhexyl)-Phthalate	0/2			8.80E-01	1.30E+00
cis-1,3-Dichloro-propene	0/2			2.60E-02	3.80E-02
trans-1,3-Dichloro-propene	0/2			2.60E-02	3.80E-02
SOIL (below ash)					
<i>Inorganics (mg/kg)</i>					
Aluminum	3/3	9.25E+03	1.40E+04	1.22E+04	1.64E+04
Antimony	0/3			1.06E+01	1.33E+01
Arsenic	3/3	1.51E+01	4.35E+01	3.05E+01	5.47E+01
Barium	3/3	4.63E+01	1.26E+02	7.48E+01	1.50E+02
Beryllium	3/3	5.40E-01	1.50E+00	9.70E-01	1.79E+00
Cadmium	0/3			1.30E+00	1.40E+00
Calcium	3/3	6.57E+02	2.23E+03	1.39E+03	2.72E+03
Chromium VI	3/3	9.60E+00	1.68E+01	1.32E+01	1.93E+01
Cobalt	3/3	1.16E+01	5.22E+01	2.86E+01	6.41E+01
Copper	3/3	1.26E+01	1.81E+01	1.57E+01	2.04E+01
Iron	3/3	1.67E+04	1.80E+04	1.72E+04	1.84E+04
Lead	3/3	1.08E+01	2.50E+01	1.76E+01	2.96E+01
Magnesium	3/3	8.16E+02	9.37E+02	8.71E+02	9.74E+02
Manganese	3/3	2.16E+02	1.02E+03	5.45E+02	1.26E+03
Mercury	0/3			1.30E-01	1.40E-01
Nickel	3/3	9.20E+00	2.75E+01	1.58E+01	3.29E+01

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Potassium	3/3	9.29E+02	1.24E+03	1.10E+03	1.37E+03
Selenium	3/3	8.80E-01	2.70E+00	2.06E+00	3.78E+00
Silver	0/3			2.17E+00	2.90E+00
Sodium	1/3	3.00E+02	3.00E+02	1.97E+02	3.49E+02
Thallium	0/3			1.09E+00	1.20E+00
Vanadium	3/3	2.79E+01	3.64E+01	3.10E+01	3.89E+01
Zinc	3/3	4.42E+01	1.19E+02	7.02E+01	1.41E+02
<i>Radionuclides (pCi/g)</i>					
Thorium-228	3/3	6.70E-01	7.80E-01	7.40E-01	8.43E-01
Thorium-230	0/3			1.70E+00	2.20E+00
Thorium-232	3/3	7.10E-01	9.00E-01	7.87E-01	9.56E-01
Uranium-234	3/3	1.00E+00	1.50E+00	1.23E+00	1.66E+00
Uranium-235	1/3	1.30E-01	1.30E-01	9.43E-02	1.51E-01
Uranium-238	3/3	1.20E+00	1.60E+00	1.33E+00	1.72E+00
<i>Organics (mg/kg)</i>					
1,2,4-Trichlorobenzene	0/3			4.37E-01	4.80E-01
1,2-Dichlorobenzene	0/3			4.37E-01	4.80E-01
1,3-Dichlorobenzene	0/3			4.37E-01	4.80E-01
1,4-Dichlorobenzene	0/3			4.37E-01	4.80E-01
2,2'-Oxybis(1-Chloropropane)	0/3			4.37E-01	4.80E-01
2,4,5-Trichlorophenol	0/3			1.09E+00	1.20E+00
2,4,6-Trichlorophenol	0/3			4.37E-01	4.80E-01
2,4-Dichlorophenol	0/3			4.37E-01	4.80E-01
2,4-Dimethylphenol	0/3			4.37E-01	4.80E-01
2,4-Dinitrophenol	0/3			1.09E+00	1.20E+00
2,4-Dinitrotoluene	0/3			4.37E-01	4.80E-01
2,6-Dinitrotoluene	0/3			4.37E-01	4.80E-01
2-Chloronaphthalene	0/3			4.37E-01	4.80E-01
2-Chlorophenol	0/3			4.37E-01	4.80E-01
2-Methylnaphthalene	0/3			4.37E-01	4.80E-01
2-Methylphenol	0/3			4.37E-01	4.80E-01

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
2-Nitroaniline	0/3			1.09E+00	1.20E+00
2-Nitrophenol	0/3			4.37E-01	4.80E-01
3,3'-Dichlorobenzidine	0/3			4.37E-01	4.80E-01
3-Nitroaniline	0/3			1.09E+00	1.20E+00
4,6-Dinitro-2-Methylphenol	0/3			1.09E+00	1.20E+00
4-Bromophenylphenylether	0/3			4.37E-01	4.80E-01
4-Chloro-3-Methylphenol	0/3			4.37E-01	4.80E-01
4-Chloroaniline	0/3			4.37E-01	4.80E-01
4-Chlorophenylphenylether	0/3			4.37E-01	4.80E-01
4-Methylphenol	0/3			4.37E-01	4.80E-01
4-Nitroaniline	0/3			1.09E+00	1.20E+00
4-Nitrophenol	0/3			1.09E+00	1.20E+00
Acenaphthene	0/3			4.37E-01	4.80E-01
Acenaphthylene	0/3			4.37E-01	4.80E-01
Anthracene	0/3			4.37E-01	4.80E-01
Benzo(a)Anthracene	0/3			4.37E-01	4.80E-01
Benzo(a)Pyrene	0/3			4.37E-01	4.80E-01
Benzo(b)Fluoranthene	0/3			4.37E-01	4.80E-01
Benzo(g,h,i)Perylene	0/3			4.37E-01	4.80E-01
Benzo(k)Fluoranthene	0/3			4.37E-01	4.80E-01
Butylbenzylphthalate	2/3	5.00E-02	5.30E-02	1.68E-01	5.07E-01
Carbazole	0/3			4.37E-01	4.80E-01
Chrysene	0/3			4.37E-01	4.80E-01
Di-n-Butylphthalate	0/3			4.37E-01	4.80E-01
Di-n-Octylphthalate	0/3			4.37E-01	4.80E-01
Dibenz(a,h)Anthracene	0/3			4.37E-01	4.80E-01
Dibenzofuran	0/3			4.37E-01	4.80E-01
Diethylphthalate	0/3			4.37E-01	4.80E-01
Dimethyl Phthalate	0/3			4.37E-01	4.80E-01
Fluoranthene	0/3			4.37E-01	4.80E-01

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Fluorene	0/3			4.37E-01	4.80E-01
Hexachlorobenzene	0/3			4.37E-01	4.80E-01
Hexachlorobutadiene	0/3			4.37E-01	4.80E-01
Hexachlorocyclopentadiene	0/3			4.37E-01	4.80E-01
Hexachloroethane	0/3			4.37E-01	4.80E-01
Indeno(1,2,3-cd)Pyrene	0/3			4.37E-01	4.80E-01
Isophorone	0/3			4.37E-01	4.80E-01
N-Nitroso-Di-n-Propyl-amine	0/3			4.37E-01	4.80E-01
N-Nitrosodiphenyl-amine	0/3			4.37E-01	4.80E-01
Naphthalene	0/3			4.37E-01	4.80E-01
Nitrobenzene	0/3			4.37E-01	4.80E-01
Pentachlorophenol	0/3			1.09E+00	1.20E+00
Phenanthrene	0/3			4.37E-01	4.80E-01
Phenol	0/3			4.37E-01	4.80E-01
Pyrene	0/3			4.37E-01	4.80E-01
bis(2-Chloroethoxy)-Methane	0/3			4.37E-01	4.80E-01
bis(2-Chloroethyl)-Ether	0/3			4.37E-01	4.80E-01
bis(2-Ethylhexyl)-Phthalate	1/3	4.90E-02	4.90E-02	3.10E-01	6.96E-01
SURFACE WATER					
<i>Inorganics (mg/L)</i>					
Aluminum	1/3	7.92E+00	7.92E+00	2.72E+00	1.03E+01
Antimony	0/3			3.60E-02	3.60E-02
Arsenic	1/3	1.00E-02	1.00E-02	5.33E-03	1.21E-02
Barium	3/3	1.55E-02	6.89E-02	3.92E-02	8.51E-02
Beryllium	0/3			1.00E-03	1.00E-03
Cadmium	0/3			5.00E-03	5.00E-03
Calcium	3/3	6.00E+00	2.70E+01	1.72E+01	3.50E+01
Chromium III	1/3	8.80E-03	8.80E-03	8.27E-03	9.05E-03

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Chromium VI	0/2			1.00E-02	1.00E-02
Cobalt	0/3			8.00E-03	8.00E-03
Copper	1/3	7.30E-03	7.30E-03	5.10E-03	8.31E-03
Iron	3/3	1.62E-01	6.11E+00	2.32E+00	7.87E+00
Lead	1/3	3.50E-03	3.50E-03	2.50E-03	3.96E-03
Magnesium	3/3	2.45E+00	1.53E+01	7.78E+00	1.91E+01
Manganese	3/3	1.21E-01	1.70E+00	6.79E-01	2.17E+00
Mercury	0/3			2.00E-04	2.00E-04
Nickel	0/3			1.70E-02	1.70E-02
Potassium	1/3	6.67E+00	6.67E+00	3.12E+00	8.30E+00
Selenium	0/3			3.00E-03	3.00E-03
Silver	0/3			7.00E-03	7.00E-03
Sodium	2/3	8.76E-01	1.19E+00	9.73E-01	1.29E+00
Thallium	0/3			4.00E-03	4.00E-03
Vanadium	1/3	1.56E-02	1.56E-02	9.20E-03	1.85E-02
Zinc	2/3	1.11E-02	1.06E-01	4.12E-02	1.36E-01
<i>Radionuclides (pCi/L)</i>					
Thorium-228	1/3	2.20E-01	2.20E-01	8.70E-02	2.81E-01
Thorium-230	1/3	2.00E+00	2.00E+00	8.33E-01	2.57E+00
Thorium-232	0/3			6.93E-02	1.90E-01
Uranium-234	2/3	2.10E-01	3.30E-01	1.94E-01	4.38E-01
Uranium-235	0/3			1.50E-02	2.70E-02
Uranium-238	2/3	6.80E-02	1.10E-01	7.13E-02	1.34E-01
<i>Organics (mg/L)</i>					
1,1,1-Trichloroethane	0/1			1.00E-02	1.00E-02
1,1,2-Trichloroethane	0/1			1.00E-02	1.00E-02
1,1-Dichloroethane	0/1			1.00E-02	1.00E-02
1,1-Dichloroethene	0/1			1.00E-02	1.00E-02
1,2,4-Trichlorobenzene	0/3			1.00E-02	1.00E-02
1,2-Dichlorobenzene	0/3			1.00E-02	1.00E-02
1,2-Dichloroethane	0/1			1.00E-02	1.00E-02

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
1,2-Dichloroethene (total)	0/1			1.00E-02	1.00E-02
1,2-Dichloropropane	0/1			1.00E-02	1.00E-02
1,3-Dichlorobenzene	0/3			1.00E-02	1.00E-02
1,4-Dichlorobenzene	0/3			1.00E-02	1.00E-02
2,2'-Oxybis(1-Chloropropane)	0/3			1.00E-02	1.00E-02
2,4,5-Trichlorophenol	0/3			2.50E-02	2.50E-02
2,4,6-Trichlorophenol	0/3			1.00E-02	1.00E-02
2,4-Dichlorophenol	0/3			1.00E-02	1.00E-02
2,4-Dimethylphenol	0/3			1.00E-02	1.00E-02
2,4-Dinitrophenol	0/3			2.50E-02	2.50E-02
2,4-Dinitrotoluene	0/3			1.00E-02	1.00E-02
2,6-Dinitrotoluene	0/3			1.00E-02	1.00E-02
2-Butanone	0/1			1.00E-02	1.00E-02
2-Chloronaphthalene	0/3			1.00E-02	1.00E-02
2-Chlorophenol	0/3			1.00E-02	1.00E-02
2-Hexanone	0/1			1.00E-02	1.00E-02
2-Methylnaphthalene	0/3			1.00E-02	1.00E-02
2-Methylphenol	0/3			1.00E-02	1.00E-02
2-Nitroaniline	0/3			2.50E-02	2.50E-02
2-Nitrophenol	0/3			1.00E-02	1.00E-02
3,3'-Dichlorobenzidine	0/3			1.00E-02	1.00E-02
3-Nitroaniline	0/3			2.50E-02	2.50E-02
4,6-Dinitro-2-Methylphenol	0/3			2.50E-02	2.50E-02
4-Bromophenylphenylether	0/3			1.00E-02	1.00E-02
4-Chloro-3-Methylphenol	0/3			1.00E-02	1.00E-02
4-Chloroaniline	0/3			1.00E-02	1.00E-02
4-Chlorophenylphenylether	0/3			1.00E-02	1.00E-02
4-Methyl-2-Pentanone	0/1			1.00E-02	1.00E-02
4-Methylphenol	0/3			1.00E-02	1.00E-02

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
4-Nitroaniline	0/3			2.50E-02	2.50E-02
4-Nitrophenol	0/3			2.50E-02	2.50E-02
Acenaphthene	0/3			1.00E-02	1.00E-02
Acenaphthylene	0/3			1.00E-02	1.00E-02
Acetone	0/1			1.00E-02	1.00E-02
Anthracene	0/3			1.00E-02	1.00E-02
Benzene	0/1			1.00E-02	1.00E-02
Benzo(a)Anthracene	0/3			1.00E-02	1.00E-02
Benzo(a)Pyrene	0/3			1.00E-02	1.00E-02
Benzo(b)Fluoranthene	0/3			1.00E-02	1.00E-02
Benzo(g,h,i)Perylene	0/3			1.00E-02	1.00E-02
Benzo(k)Fluoranthene	0/3			1.00E-02	1.00E-02
Bromodichloromethane	0/1			1.00E-02	1.00E-02
Bromoform	0/1			1.00E-02	1.00E-02
Bromomethane	0/1			1.00E-02	1.00E-02
Butylbenzylphthalate	0/3			1.00E-02	1.00E-02
Carbazole	0/3			1.00E-02	1.00E-02
Carbon Disulfide	0/1			1.00E-02	1.00E-02
Carbon Tetrachloride	0/1			1.00E-02	1.00E-02
Chlorobenzene	0/1			1.00E-02	1.00E-02
Chloroethane	0/1			1.00E-02	1.00E-02
Chloroform	0/1			1.00E-02	1.00E-02
Chloromethane	0/1			1.00E-02	1.00E-02
Chrysene	0/3			1.00E-02	1.00E-02
Di-n-Butylphthalate	0/3			1.00E-02	1.00E-02
Di-n-Octylphthalate	0/3			1.00E-02	1.00E-02
Dibenz(a,h)Anthracene	0/3			1.00E-02	1.00E-02
Dibenzofuran	0/3			1.00E-02	1.00E-02
Dibromochloromethane	0/1			1.00E-02	1.00E-02
Diethylphthalate	0/3			1.00E-02	1.00E-02
Dimethylphthalate	0/3			1.00E-02	1.00E-02
Ethylbenzene	0/1			1.00E-02	1.00E-02
Fluoranthene	0/3			1.00E-02	1.00E-02

Table J.2b (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Fluorene	0/3			1.00E-02	1.00E-02
Hexachlorobenzene	0/3			1.00E-02	1.00E-02
Hexachlorobutadiene	0/3			1.00E-02	1.00E-02
Hexachlorocyclopentadiene	0/3			1.00E-02	1.00E-02
Hexachloroethane	0/3			1.00E-02	1.00E-02
Indeno(1,2,3-cd)Pyrene	0/3			1.00E-02	1.00E-02
Isophorone	0/3			1.00E-02	1.00E-02
Methylene Chloride	0/1			1.80E-02	1.80E-02
N-Nitroso-Di-n-Propyl-amine	0/3			1.00E-02	1.00E-02
N-Nitrosodiphenyl-amine	0/3			1.00E-02	1.00E-02
Naphthalene	0/3			1.00E-02	1.00E-02
Nitrobenzene	0/3			1.00E-02	1.00E-02
Pentachlorophenol	0/3			2.50E-02	2.50E-02
Phenanthrene	0/3			1.00E-02	1.00E-02
Phenol	0/3			1.00E-02	1.00E-02
Pyrene	0/3			1.00E-02	1.00E-02
Styrene	0/1			1.00E-02	1.00E-02
Tetrachloroethene	0/1			1.00E-02	1.00E-02
Toluene	0/1			1.00E-02	1.00E-02
Trichloroethene	0/1			1.00E-02	1.00E-02
Vinyl Chloride	0/1			1.00E-02	1.00E-02
Xylene (total)	0/1			1.00E-02	1.00E-02
bis(2-Chloroethoxy)-Methane	0/3			1.00E-02	1.00E-02
bis(2-Chloroethyl)-Ether	0/3			1.00E-02	1.00E-02
bis(2-Ethylhexyl)-Phthalate	0/3			1.00E-02	1.00E-02
cis-1,3-Dichloropropene	0/1			1.00E-02	1.00E-02
trans-1,3-Dichloropropene	0/1			1.00E-02	1.00E-02

Table J.2c. Chestnut Ridge OU2 summary statistics—Upper McCoy Branch

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
ASH					
<i>Inorganics (mg/kg)</i>					
Aluminum	6/6	1.23E+04	2.08E+04	1.70E+04	1.98E+04
Arsenic	6/6	1.56E+01	5.92E+01	4.72E+01	6.03E+01
Barium	6/6	2.50E+02	6.84E+02	4.19E+02	5.60E+02
Beryllium	6/6	1.10E+00	3.20E+00	2.18E+00	2.90E+00
Cadmium	5/6	1.40E+00	4.20E+00	2.50E+00	3.67E+00
Calcium	6/6	3.21E+03	6.95E+03	4.31E+03	5.52E+03
Chromium VI	6/6	9.10E+00	1.82E+01	1.42E+01	1.69E+01
Cobalt	6/6	1.19E+01	2.19E+01	1.57E+01	1.93E+01
Copper	6/6	2.60E+01	7.49E+01	4.34E+01	5.85E+01
Iron	6/6	1.83E+04	6.43E+04	3.77E+04	5.19E+04
Lead	6/6	1.04E+01	1.66E+01	1.41E+01	1.59E+01
Magnesium	6/6	1.09E+03	1.69E+03	1.39E+03	1.62E+03
Manganese	6/6	8.13E+01	1.20E+03	5.50E+02	8.76E+02
Mercury	6/6	1.30E-01	7.30E-01	3.67E-01	5.81E-01
Nickel	6/6	2.10E+01	4.07E+01	2.96E+01	3.50E+01
Phosphorus	6/6	2.62E+02	2.18E+03	9.41E+02	1.51E+03
Potassium	6/6	2.10E+03	3.90E+03	3.16E+03	3.72E+03
Selenium	6/6	1.40E+00	9.10E+00	3.62E+00	6.13E+00
Sodium	6/6	2.57E+02	3.84E+02	3.24E+02	3.61E+02
Vanadium	6/6	3.77E+01	8.37E+01	5.74E+01	7.25E+01
Zinc	6/6	3.42E+01	7.57E+01	5.57E+01	7.05E+01
<i>Radionuclides (pCi/g)</i>					
Cesium-137	6/6	2.65E-02	1.52E-01	8.85E-02	1.29E-01
Thorium-228	1/1	9.20E+00	9.20E+00	9.20E+00	
Thorium-234	1/1	6.30E+00	6.30E+00	6.30E+00	
Uranium-238	6/6	2.02E+00	4.37E+00	2.75E+00	3.43E+00

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
SEDIMENT					
<i>Inorganics (mg/kg)</i>					
Aluminum	2/2	9.32E+03	2.27E+04	1.60E+04	5.82E+04
Antimony	0/2			2.90E+01	3.77E+01
Arsenic	2/2	1.67E+02	2.30E+03	1.23E+03	7.97E+03
Barium	2/2	3.09E+02	5.96E+02	4.53E+02	1.36E+03
Beryllium	2/2	1.40E+00	4.70E+00	3.05E+00	1.35E+01
Cadmium	0/2			3.15E+00	4.10E+00
Calcium	2/2	3.64E+03	3.04E+04	1.70E+04	1.01E+05
Chromium VI	2/2	8.50E+00	2.17E+01	1.51E+01	5.68E+01
Cobalt	2/2	2.07E+01	8.62E+01	5.35E+01	2.60E+02
Copper	2/2	1.91E+01	2.31E+01	2.11E+01	3.37E+01
Iron	2/2	2.31E+04	6.33E+04	4.32E+04	1.70E+05
Lead	2/2	6.70E+00	1.71E+01	1.19E+01	4.47E+01
Magnesium	2/2	1.02E+03	1.80E+04	9.51E+03	6.31E+04
Manganese	2/2	4.03E+03	1.37E+04	8.87E+03	3.94E+04
Mercury	0/2			3.15E-01	4.10E-01
Nickel	2/2	3.07E+01	4.51E+01	3.79E+01	8.34E+01
Potassium	2/2	1.75E+03	2.60E+03	2.18E+03	4.86E+03
Selenium	1/2	2.40E+00	2.40E+00	2.40E+00	2.40E+00
Silver	0/2			6.30E+00	8.20E+00
Sodium	2/2	3.85E+02	5.20E+02	4.53E+02	8.79E+02
Thallium	0/2			2.55E+00	3.30E+00
Vanadium	2/2	2.73E+01	4.87E+01	3.80E+01	1.06E+02
Zinc	2/2	1.57E+02	2.65E+02	2.11E+02	5.52E+02
<i>Radionuclides (pCi/g)</i>					
Thorium-228	2/2	1.00E+00	4.30E+00	2.65E+00	1.31E+01
Thorium-230	1/2	2.70E+00	2.70E+00	2.35E+00	4.56E+00
Thorium-232	2/2	9.30E-01	1.20E+00	1.07E+00	1.92E+00
Uranium-234	2/2	1.70E+00	2.20E+00	1.95E+00	3.53E+00
Uranium-235	2/2	1.40E-01	2.10E-01	1.75E-01	3.96E-01
Uranium-238	2/2	1.90E+00	2.20E+00	2.05E+00	3.00E+00

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
<i>Organics (mg/kg)</i>					
1,1,1-Trichloroethane	0/2			3.20E-02	4.20E-02
1,1,2,2-Tetrachloroethane	0/2			3.20E-02	4.20E-02
1,1,2-Trichloroethane	0/2			3.20E-02	4.20E-02
1,1-Dichloroethane	0/2			3.20E-02	4.20E-02
1,1-Dichloroethene	0/2			3.20E-02	4.20E-02
1,2,4-Trichlorobenzene	0/2			8.10E-01	8.90E-01
1,2-Dichlorobenzene	0/2			8.10E-01	8.90E-01
1,2-Dichloroethane	0/2			3.20E-02	4.20E-02
1,2-Dichloroethene (total)	0/2			3.20E-02	4.20E-02
1,2-Dichloropropane	0/2			3.20E-02	4.20E-02
1,3-Dichlorobenzene	0/2			8.10E-01	8.90E-01
1,4-Dichlorobenzene	0/2			8.10E-01	8.90E-01
2,2'-Oxybis(1-Chloropropane)	0/2			8.10E-01	8.90E-01
2,4,5-Trichlorophenol	0/2			1.95E+00	2.10E+00
2,4,6-Trichlorophenol	0/2			8.10E-01	8.90E-01
2,4-Dichlorophenol	0/2			8.10E-01	8.90E-01
2,4-Dimethylphenol	0/2			8.10E-01	8.90E-01
2,4-Dinitrophenol	0/2			1.95E+00	2.10E+00
2,4-Dinitrotoluene	0/2			8.10E-01	8.90E-01
2,6-Dinitrotoluene	0/2			8.10E-01	8.90E-01
2-Butanone	0/2			3.20E-02	4.20E-02
2-Chloronaphthalene	0/2			8.10E-01	8.90E-01
2-Chlorophenol	0/2			8.10E-01	8.90E-01
2-Hexanone	0/2			3.20E-02	4.20E-02
2-Methylnaphthalene	0/2			8.10E-01	8.90E-01
2-Methylphenol	0/2			8.10E-01	8.90E-01
2-Nitroaniline	0/2			1.95E+00	2.10E+00
2-Nitrophenol	0/2			8.10E-01	8.90E-01
3,3'-Dichlorobenzidine	0/2			8.10E-01	8.90E-01
3-Nitroaniline	0/2			1.95E+00	2.10E+00
4,6-Dinitro-2-Methylphenol	0/2			1.95E+00	2.10E+00
4-Bromophenylphenyl ether	0/2			8.10E-01	8.90E-01

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
4-Chloro-3-Methylphenol	0/2			8.10E-01	8.90E-01
4-Chloroaniline	0/2			8.10E-01	8.90E-01
4-Chlorophenylphenylether	0/2			8.10E-01	8.90E-01
4-Methyl-2-Pentanone	0/2			3.20E-02	4.20E-02
4-Methylphenol	1/2	2.10E-01	2.10E-01	4.70E-01	2.11E+00
4-Nitroaniline	0/2			1.95E+00	2.10E+00
4-Nitrophenol	0/2			1.95E+00	2.10E+00
Acenaphthene	0/2			8.10E-01	8.90E-01
Acenaphthylene	0/2			8.10E-01	8.90E-01
Acetone	0/2			5.00E-02	7.80E-02
Anthracene	0/2			8.10E-01	8.90E-01
Benzene	0/2			3.20E-02	4.20E-02
Benzo(a)Anthracene	0/2			8.10E-01	8.90E-01
Benzo(a)Pyrene	0/2			8.10E-01	8.90E-01
Benzo(b)Fluoranthene	0/2			8.10E-01	8.90E-01
Benzo(g,h,i)Perylene	0/2			8.10E-01	8.90E-01
Benzo(k)Fluoranthene	0/2			8.10E-01	8.90E-01
Bromodichloromethane	0/2			3.20E-02	4.20E-02
Bromoform	0/2			3.20E-02	4.20E-02
Bromomethane	0/2			3.20E-02	4.20E-02
Butylbenzylphthalate	0/2			8.10E-01	8.90E-01
Carbazole	0/2			8.10E-01	8.90E-01
Carbon Disulfide	0/2			3.20E-02	4.20E-02
Carbon Tetrachloride	0/2			3.20E-02	4.20E-02
Chlorobenzene	0/2			3.20E-02	4.20E-02
Chloroethane	0/2			3.20E-02	4.20E-02
Chloroform	0/2			3.20E-02	4.20E-02
Chloromethane	0/2			3.20E-02	4.20E-02
Chrysene	0/2			8.10E-01	8.90E-01
Di-n-Butylphthalate	0/2			8.10E-01	8.90E-01
Di-n-Octylphthalate	0/2			8.10E-01	8.90E-01
Dibenz(a,h)Anthracene	0/2			8.10E-01	8.90E-01
Dibenzofuran	0/2			8.10E-01	8.90E-01

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Dibromochloromethane	0/2			3.20E-02	4.20E-02
Diethylphthalate	0/2			8.10E-01	8.90E-01
Dimethyl Phthalate	0/2			8.10E-01	8.90E-01
Ethylbenzene	0/2			3.20E-02	4.20E-02
Fluoranthene	0/2			8.10E-01	8.90E-01
Fluorene	0/2			8.10E-01	8.90E-01
Hexachlorobenzene	0/2			8.10E-01	8.90E-01
Hexachlorobutadiene	0/2			8.10E-01	8.90E-01
Hexachlorocyclopentadiene	0/2			8.10E-01	8.90E-01
Hexachloroethane	0/2			8.10E-01	8.90E-01
Indeno(1,2,3-cd)Pyrene	0/2			8.10E-01	8.90E-01
Isophorone	0/2			8.10E-01	8.90E-01
Methylene Chloride	0/2			3.20E-02	4.20E-02
N-Nitroso-Di-n-propylamine	0/2			8.10E-01	8.90E-01
N-Nitrosodiphenylamine	0/2			8.10E-01	8.90E-01
Naphthalene	0/2			8.10E-01	8.90E-01
Nitrobenzene	0/2			8.10E-01	8.90E-01
Pentachlorophenol	0/2			1.95E+00	2.10E+00
Phenanthrene	1/2	7.00E-02	7.00E-02	4.80E-01	3.07E+00
Phenol	0/2			8.10E-01	8.90E-01
Pyrene	0/2			8.10E-01	8.90E-01
Styrene	0/2			3.20E-02	4.20E-02
Tetrachloroethene	0/2			3.20E-02	4.20E-02
Toluene	0/2			3.20E-02	4.20E-02
Trichloroethene	0/2			3.20E-02	4.20E-02
Vinyl Chloride	0/2			3.20E-02	4.20E-02
Xylene (total)	0/2			3.20E-02	4.20E-02
bis(2-Chloroethoxy)Methane	0/2			8.10E-01	8.90E-01
bis(2-Chloroethyl)Ether	0/2			8.10E-01	8.90E-01
bis(2-Ethylhexyl)Phthalate	0/2			8.10E-01	8.90E-01
cis-1,3-Dichloropropene	0/2			3.20E-02	4.20E-02
trans-1,3-Dichloropropene	0/2			3.20E-02	4.20E-02

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
SOIL (below ash)					
<i>Inorganics (mg/kg)</i>					
Aluminum	11/11	5.83E+03	1.86E+04	9.81E+03	1.20E+04
Arsenic	11/11	3.00E+00	4.36E+01	1.94E+01	2.71E+01
Barium	11/11	3.93E+01	1.96E+02	8.51E+01	1.08E+02
Beryllium	9/11	4.90E-01	1.40E+00	7.62E-01	9.19E-01
Cadmium	11/11	1.20E+00	2.28E+01	3.95E+00	7.48E+00
Calcium	11/11	5.18E+02	2.50E+05	4.61E+04	9.74E+04
Chromium VI	10/11	5.60E+00	5.06E+01	1.48E+01	2.20E+01
Cobalt	10/11	8.60E+00	2.95E+01	1.70E+01	2.09E+01
Copper	10/11	4.90E+00	7.02E+01	1.85E+01	2.84E+01
Iron	11/11	1.30E+04	3.72E+05	4.99E+04	1.08E+05
Lead	11/11	6.50E+00	2.71E+01	1.54E+01	1.91E+01
Magnesium	11/11	4.73E+02	1.12E+04	2.84E+03	4.79E+03
Manganese	11/11	2.48E+02	2.38E+03	9.81E+02	1.33E+03
Mercury	11/11	5.00E-02	1.10E-01	7.09E-02	8.14E-02
Nickel	10/11	9.90E+00	4.04E+01	2.19E+01	2.66E+01
Phosphorus	8/11	9.73E+01	2.72E+02	2.26E+02	3.14E+02
Potassium	10/11	9.11E+02	2.19E+03	1.61E+03	1.86E+03
Selenium	5/11	3.00E-01	2.20E+00	6.18E-01	9.52E-01
Sodium	11/11	4.54E+01	6.26E+02	1.70E+02	2.55E+02
Vanadium	11/11	1.27E+01	9.40E+01	3.30E+01	4.52E+01
Zinc	11/11	4.35E+01	1.02E+02	7.07E+01	8.13E+01
<i>Radionuclides (pCi/g)</i>					
Cesium-137	10/11	-5.65E-02	2.68E-01	8.92E-02	1.36E-01
Thorium-234	2/2	5.10E+00	5.15E+00	5.13E+00	5.28E+00
Uranium-238	11/11	6.73E-01	2.35E+00	1.16E+00	1.43E+00
SURFACE WATER					
<i>Inorganics (mg/L)</i>					
Aluminum	10/11	3.32E-02	1.46E+00	2.00E-01	4.29E-01
Antimony	0/3			3.57E-02	3.60E-02

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Arsenic	9/11	2.10E-03	2.29E-01	3.86E-02	7.55E-02
Barium	11/11	1.30E-03	1.55E-01	7.10E-02	9.08E-02
Beryllium	0/3			1.00E-03	1.00E-03
Cadmium	0/3			4.33E-03	5.00E-03
Calcium	11/11	9.36E-02	5.12E+01	4.07E+01	4.86E+01
Chloride	7/8	2.00E+00	3.00E+00	2.25E+00	2.72E+00
Chromium III	0/3			8.00E-03	8.00E-03
Chromium VI	0/1			1.00E-02	1.00E-02
Cobalt	0/3			8.67E-03	9.00E-03
Copper	2/11	4.10E-03	8.90E-03	4.45E-03	5.26E-03
Fluoride	7/8	1.00E-01	2.00E-01	1.63E-01	1.97E-01
Iron	7/11	5.80E-03	3.31E+00	5.26E-01	1.08E+00
Lead	1/11	3.00E-03	3.00E-03	1.22E-03	1.63E-03
Magnesium	11/11	1.22E-02	1.57E+01	1.32E+01	1.56E+01
Manganese	8/11	1.68E-02	1.09E+00	2.84E-01	5.14E-01
Mercury	1/3	2.40E-04	2.40E-04	2.13E-04	2.52E-04
Nickel	0/3			1.77E-02	1.80E-02
Niobium	2/8	7.90E-03	9.50E-03	7.43E-03	8.02E-03
Nitrate	2/8	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Potassium	10/11	2.04E+00	4.94E+00	3.16E+00	3.94E+00
Selenium	0/3			3.00E-03	3.00E-03
Silver	0/3			6.00E-03	7.00E-03
Sodium	11/11	2.48E-01	2.96E+00	2.07E+00	2.51E+00
Sulfate	7/8	1.40E+01	2.60E+01	1.84E+01	2.41E+01
Thallium	0/3			3.67E-03	4.00E-03
Vanadium	0/3			6.00E-03	6.00E-03
Zinc	11/11	2.10E-03	3.35E-02	1.14E-02	1.73E-02
<i>Radionuclides (pCi/L)</i>					
Radium-226	7/8	4.32E-01	5.67E-01	4.25E-01	6.08E-01
Thorium-228	1/3	4.10E-02	4.10E-02	2.00E-02	5.16E-02
Thorium-230	2/3	5.00E-01	6.20E-01	4.57E-01	7.75E-01
Thorium-232	1/3	7.70E-02	7.70E-02	3.20E-02	9.81E-02
Uranium-234	3/3	3.40E-01	5.00E-01	4.33E-01	5.74E-01

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Uranium-235	0/3			2.27E-02	2.70E-02
Uranium-238	7/11	2.20E-01	3.36E-01	3.20E-01	3.40E-01
<i>Organics (mg/L)</i>					
1,1,1-Trichloroethane	0/2			1.00E-02	1.00E-02
1,1,2-Trichloroethane	0/2			1.00E-02	1.00E-02
1,1-Dichloroethane	0/2			1.00E-02	1.00E-02
1,1-Dichloroethene	0/2			1.00E-02	1.00E-02
1,2,4-Trichlorobenzene	0/3			1.00E-02	1.00E-02
1,2-Dichlorobenzene	0/3			1.00E-02	1.00E-02
1,2-Dichloroethane	0/2			1.00E-02	1.00E-02
1,2-Dichloroethene (total)	0/2			1.00E-02	1.00E-02
1,2-Dichloropropane	0/2			1.00E-02	1.00E-02
1,3-Dichlorobenzene	0/3			1.00E-02	1.00E-02
1,4-Dichlorobenzene	0/3			1.00E-02	1.00E-02
2,2'-Oxybis(1-Chloropropane)	0/3			1.00E-02	1.00E-02
2,4,5-Trichlorophenol	0/3			2.50E-02	2.50E-02
2,4,6-Trichlorophenol	0/3			1.00E-02	1.00E-02
2,4-Dichlorophenol	0/3			1.00E-02	1.00E-02
2,4-Dimethylphenol	0/3			1.00E-02	1.00E-02
2,4-Dinitrophenol	0/3			2.50E-02	2.50E-02
2,4-Dinitrotoluene	0/3			1.00E-02	1.00E-02
2,6-Dinitrotoluene	0/3			1.00E-02	1.00E-02
2-Butanone	0/2			1.00E-02	1.00E-02
2-Chloronaphthalene	0/3			1.00E-02	1.00E-02
2-Chlorophenol	0/3			1.00E-02	1.00E-02
2-Hexanone	0/2			1.00E-02	1.00E-02
2-Methylnaphthalene	0/3			1.00E-02	1.00E-02
2-Methylphenol	0/3			1.00E-02	1.00E-02
2-Nitroaniline	0/3			2.50E-02	2.50E-02
2-Nitrophenol	0/3			1.00E-02	1.00E-02
3,3'-Dichlorobenzidine	0/3			1.00E-02	1.00E-02
3-Nitroaniline	0/3			2.50E-02	2.50E-02
4,6-Dinitro-2-Methylphenol	0/3			2.50E-02	2.50E-02

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
4-Bromophenylphenyl ether	0/3			1.00E-02	1.00E-02
4-Chloro-3-Methylphenol	0/3			1.00E-02	1.00E-02
4-Chloroaniline	0/3			1.00E-02	1.00E-02
4-Chlorophenylphenyl ether	0/3			1.00E-02	1.00E-02
4-Methyl-2-Pentanone	0/2			1.00E-02	1.00E-02
4-Methylphenol	0/3			1.00E-02	1.00E-02
4-Nitroaniline	0/3			2.50E-02	2.50E-02
4-Nitrophenol	0/3			2.50E-02	2.50E-02
Acenaphthene	0/3			1.00E-02	1.00E-02
Acenaphthylene	0/3			1.00E-02	1.00E-02
Acetone	0/2			1.00E-02	1.00E-02
Anthracene	0/3			1.00E-02	1.00E-02
Benzene	0/2			1.00E-02	1.00E-02
Benzo(a)Anthracene	0/3			1.00E-02	1.00E-02
Benzo(a)Pyrene	0/3			1.00E-02	1.00E-02
Benzo(b)Fluoranthene	0/3			1.00E-02	1.00E-02
Benzo(g,h,i)Perylene	0/3			1.00E-02	1.00E-02
Benzo(k)Fluoranthene	0/3			1.00E-02	1.00E-02
Bromodichloromethane	0/2			1.00E-02	1.00E-02
Bromoform	0/2			1.00E-02	1.00E-02
Bromomethane	0/2			1.00E-02	1.00E-02
Butylbenzylphthalate	0/3			1.00E-02	1.00E-02
Carbazole	0/3			1.00E-02	1.00E-02
Carbon Disulfide	0/2			1.00E-02	1.00E-02
Carbon Tetrachloride	0/2			1.00E-02	1.00E-02
Chlorobenzene	0/2			1.00E-02	1.00E-02
Chloroethane	0/2			1.00E-02	1.00E-02
Chloroform	0/2			1.00E-02	1.00E-02
Chloromethane	0/2			1.00E-02	1.00E-02
Chrysene	0/3			1.00E-02	1.00E-02
Di-n-Butylphthalate	0/3			1.00E-02	1.00E-02
Di-n-Octylphthalate	1/7	2.70E-02	2.70E-02	1.24E-02	1.71E-02
Dibenz(a,h)Anthracene	0/3			1.00E-02	1.00E-02

Table J.2c (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Dibenzofuran	0/3			1.00E-02	1.00E-02
Dibromochloromethane	0/2			1.00E-02	1.00E-02
Diethylphthalate	0/3			1.00E-02	1.00E-02
Dimethyl Phthalate	0/3			1.00E-02	1.00E-02
Ethylbenzene	0/2			1.00E-02	1.00E-02
Fluoranthene	0/3			1.00E-02	1.00E-02
Fluorene	0/3			1.00E-02	1.00E-02
Hexachlorobenzene	0/3			1.00E-02	1.00E-02
Hexachlorobutadiene	0/3			1.00E-02	1.00E-02
Hexachlorocyclopentadiene	0/3			1.00E-02	1.00E-02
Hexachloroethane	0/3			1.00E-02	1.00E-02
Indeno(1,2,3-cd)Pyrene	0/3			1.00E-02	1.00E-02
Isophorone	0/3			1.00E-02	1.00E-02
Methylene Chloride	0/2			1.00E-02	1.00E-02
N-Nitroso-Di-n-Propylamine	0/3			1.00E-02	1.00E-02
N-Nitrosodiphenylamine	0/3			1.00E-02	1.00E-02
Naphthalene	0/3			1.00E-02	1.00E-02
Nitrobenzene	0/3			1.00E-02	1.00E-02
Pentachlorophenol	0/3			2.50E-02	2.50E-02
Phenanthrene	0/3			1.00E-02	1.00E-02
Phenol	0/3			1.00E-02	1.00E-02
Pyrene	0/3			1.00E-02	1.00E-02
Styrene	0/2			1.00E-02	1.00E-02
Tetrachloroethene	0/2			1.00E-02	1.00E-02
Toluene	0/2			1.00E-02	1.00E-02
Trichloroethene	0/2			1.00E-02	1.00E-02
Vinyl Chloride	0/2			1.00E-02	1.00E-02
Xylene (total)	0/2			1.00E-02	1.00E-02
bis(2-Chloroethoxy)Methane	0/3			1.00E-02	1.00E-02
bis(2-Chloroethyl)Ether	0/3			1.00E-02	1.00E-02
bis(2-Ethylhexyl)Phthalate	2/3	4.00E-03	4.80E-02	2.07E-02	6.09E-02
cis-1,3-Dichloropropene	0/2			1.00E-02	1.00E-02
trans-1,3-Dichloropropene	0/2			1.00E-02	1.00E-02

Table J.2d. Chestnut Ridge OU2 summary statistics—Groundwater

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
GROUNDWATER					
<i>Inorganics (mg/L)</i>					
Aluminum	9/16	4.29E-02	2.18E+01	3.34E+00	6.11E+00
Antimony	0/8			3.60E-02	3.60E-02
Arsenic	4/15	2.70E-03	5.00E-03	1.24E-02	2.13E-02
Barium	16/16	7.50E-03	6.74E-01	1.15E-01	1.88E-01
Beryllium	5/16	3.30E-04	4.00E-03	1.03E-03	1.43E-03
Boron	3/3	1.80E-02	2.40E-01	1.59E-01	3.66E-01
Cadmium	1/16	8.00E-03	8.00E-03	4.13E-03	4.84E-03
Calcium	16/16	8.31E+00	1.59E+02	5.62E+01	7.38E+01
Chloride	8/8	1.00E+00	5.00E+00	2.00E+00	2.95E+00
Chromium VI	4/16	2.20E-02	7.47E-02	1.61E-02	2.36E-02
Cobalt	3/16	1.31E-02	2.76E-02	9.43E-03	1.22E-02
Copper	7/16	4.20E-03	7.35E-02	1.51E-02	2.41E-02
Fluoride	4/5	1.00E-01	1.00E+00	3.20E-01	6.86E-01
Iron	12/16	2.28E-02	3.35E+01	5.23E+00	9.35E+00
Lead	7/15	3.10E-03	5.29E-02	8.22E-03	1.40E-02
Magnesium	16/16	1.21E+01	3.74E+01	2.10E+01	2.39E+01
Manganese	14/16	1.30E-03	2.75E+00	5.93E-01	1.00E+00
Mercury	2/15	2.60E-04	3.30E-04	2.13E-04	2.29E-04
Nickel	5/16	1.34E-02	4.11E-02	1.83E-02	2.20E-02
Niobium	2/5	8.40E-03	1.02E-02	7.92E-03	9.27E-03
Nitrate	4/5	1.00E+00	7.00E+00	2.60E+00	5.09E+00
Phosphorus	1/5	5.30E-01	5.30E-01	2.66E-01	4.07E-01
Potassium	12/16	7.75E-01	6.79E+01	6.81E+00	1.40E+01
Selenium	1/15	5.80E-03	5.80E-03	1.30E-02	2.17E-02
Silicon	3/3	3.90E+00	6.50E+00	4.97E+00	7.26E+00
Silver	0/8			7.00E-03	7.00E-03
Sodium	16/16	4.94E-01	1.68E+01	3.33E+00	5.26E+00
Strontium	3/3	2.10E-02	2.30E-02	2.20E-02	2.37E-02
Sulfate	8/8	1.00E+00	3.70E+01	1.38E+01	2.34E+01
Thallium	0/8			4.00E-03	4.00E-03
Vanadium	4/16	1.27E-02	6.27E-02	1.22E-02	1.90E-02

Table J.2d (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Zinc	15/16	4.60E-03	2.07E+00	1.85E-01	4.07E-01
<i>Radionuclides (pCi/L)</i>					
Radium-226	5/5	-2.05E-01	1.27E+00	6.72E-01	1.26E+00
Thorium-228	1/8	3.20E-01	3.20E-01	4.63E-02	1.21E-01
Thorium-230	0/8			3.21E-01	6.50E-01
Thorium-232	1/8	2.20E-01	2.20E-01	3.81E-02	8.84E-02
Uranium-234	8/8	2.00E-01	9.80E-01	3.79E-01	5.50E-01
Uranium-235	1/8	5.40E-02	5.40E-02	3.35E-02	4.80E-02
Uranium-238	12/16	9.00E-02	6.73E-01	3.24E-01	4.15E-01
<i>Organics (mg/L)</i>					
1,1,1-Trichloroethane	0/8			1.00E-02	1.00E-02
1,1,2,2-Tetrachloroethane	0/2			1.00E-02	1.00E-02
1,1,2-Trichloroethane	0/8			1.00E-02	1.00E-02
1,1-Dichloroethane	0/8			1.00E-02	1.00E-02
1,1-Dichloroethene	0/8			1.00E-02	1.00E-02
1,2,4-Trichlorobenzene	0/8			1.13E-02	2.00E-02
1,2-Dichlorobenzene	0/8			1.13E-02	2.00E-02
1,2-Dichloroethane	0/8			1.00E-02	1.00E-02
1,2-Dichloroethene (total)	0/8			1.00E-02	1.00E-02
1,2-Dichloropropane	0/8			1.00E-02	1.00E-02
1,3-Dichlorobenzene	0/8			1.13E-02	2.00E-02
1,4-Dichlorobenzene	0/8			1.13E-02	2.00E-02
2,2'-Oxybis(1-Chloropropane)	0/8			1.13E-02	2.00E-02
2,4,5-Trichlorophenol	0/8			2.81E-02	5.00E-02
2,4,6-Trichlorophenol	0/8			1.13E-02	2.00E-02
2,4-Dichlorophenol	0/8			1.13E-02	2.00E-02
2,4-Dimethylphenol	0/8			1.13E-02	2.00E-02
2,4-Dinitrophenol	0/8			2.81E-02	5.00E-02
2,4-Dinitrotoluene	0/8			1.13E-02	2.00E-02
2,6-Dinitrotoluene	0/8			1.13E-02	2.00E-02
2-Butanone	0/8			1.00E-02	1.00E-02

Table J.2d (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
2-Chloronaphthalene	0/8			1.13E-02	2.00E-02
2-Chlorophenol	0/8			1.13E-02	2.00E-02
2-Hexanone	0/8			1.00E-02	1.00E-02
2-Methylnaphthalene	0/8			1.13E-02	2.00E-02
2-Methylphenol	0/8			1.13E-02	2.00E-02
2-Nitroaniline	0/8			2.81E-02	5.00E-02
2-Nitrophenol	0/8			1.13E-02	2.00E-02
3,3'-Dichlorobenzidine	0/8			1.13E-02	2.00E-02
3-Nitroaniline	0/8			2.81E-02	5.00E-02
4,6-Dinitro-2-Methylphenol	0/8			2.81E-02	5.00E-02
4-Bromophenylphenyl ether	0/8			1.13E-02	2.00E-02
4-Chloro-3-Methylphenol	0/8			1.13E-02	2.00E-02
4-Chloroaniline	0/8			1.13E-02	2.00E-02
4-Chlorophenylphenyl ether	0/8			1.13E-02	2.00E-02
4-Methyl-2-Pentanone	0/8			1.00E-02	1.00E-02
4-Methylphenol	0/8			1.13E-02	2.00E-02
4-Nitroaniline	0/8			2.81E-02	5.00E-02
4-Nitrophenol	0/8			2.81E-02	5.00E-02
Acenaphthene	0/8			1.13E-02	2.00E-02
Acenaphthylene	0/8			1.13E-02	2.00E-02
Acetone	0/8			1.00E-02	1.00E-02
Anthracene	0/8			1.13E-02	2.00E-02
Benzene	0/8			1.00E-02	1.00E-02
Benzo(a)Anthracene	0/8			1.13E-02	2.00E-02
Benzo(a)Pyrene	0/8			1.13E-02	2.00E-02
Benzo(b)Fluoranthene	0/8			1.13E-02	2.00E-02
Benzo(g,h,i)Perylene	0/8			1.13E-02	2.00E-02
Benzo(k)Fluoranthene	0/8			1.13E-02	2.00E-02
Bromodichloromethane	0/8			1.00E-02	1.00E-02
Bromoform	0/8			1.00E-02	1.00E-02
Bromomethane	0/8			1.00E-02	1.00E-02
Butylbenzylphthalate	0/8			1.13E-02	2.00E-02
Carbazole	0/8			1.13E-02	2.00E-02

Table J.2d (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Carbon Disulfide	0/8			1.00E-02	1.00E-02
Carbon Tetrachloride	0/8			1.00E-02	1.00E-02
Chlorobenzene	0/8			1.00E-02	1.00E-02
Chloroethane	0/8			1.00E-02	1.00E-02
Chloroform	0/8			1.00E-02	1.00E-02
Chloromethane	0/8			1.00E-02	1.00E-02
Chrysene	0/8			1.13E-02	2.00E-02
Di-n-Butylphthalate	2/8	1.00E-03	3.00E-03	9.25E-03	1.31E-02
Di-n-Octylphthalate	0/8			1.13E-02	2.00E-02
Dibenz(a,h)Anthracene	0/8			1.13E-02	2.00E-02
Dibenzofuran	0/8			1.13E-02	2.00E-02
Dibromochloromethane	0/8			1.00E-02	1.00E-02
Diethylphthalate	1/8	2.00E-03	2.00E-03	1.03E-02	1.35E-02
Dimethyl Phthalate	0/8			1.13E-02	2.00E-02
Ethylbenzene	0/8			1.00E-02	1.00E-02
Fluoranthene	0/8			1.13E-02	2.00E-02
Fluorene	0/8			1.13E-02	2.00E-02
Hexachlorobenzene	0/8			1.13E-02	2.00E-02
Hexachlorobutadiene	0/8			1.13E-02	2.00E-02
Hexachlorocyclopentadiene	0/8			1.13E-02	2.00E-02
Hexachloroethane	0/8			1.13E-02	2.00E-02
Indeno(1,2,3-cd)Pyrene	0/8			1.13E-02	2.00E-02
Isophorone	0/8			1.13E-02	2.00E-02
Methylene Chloride	0/8			1.09E-02	1.40E-02
N-Nitroso-Di-n-Propylamine	0/8			1.13E-02	2.00E-02
N-Nitrosodiphenylamine	0/8			1.13E-02	2.00E-02
Naphthalene	0/8			1.13E-02	2.00E-02
Nitrobenzene	0/8			1.13E-02	2.00E-02
Pentachlorophenol	0/8			2.81E-02	5.00E-02
Phenanthrene	0/8			1.13E-02	2.00E-02
Phenol	2/8	2.00E-03	5.00E-03	9.63E-03	1.31E-02
Pyrene	0/8			1.13E-02	2.00E-02
Styrene	0/8			1.00E-02	1.00E-02

Table J.2d (continued)

Analyte	Frequency of Detect	Minimum Detected Value	Maximum Detected Value	Mean	Upper 95 % Confidence Limit on Mean
Tetrachloroethene	0/8			1.00E-02	1.00E-02
Toluene	0/8			1.00E-02	1.00E-02
Trichloroethene	0/8			1.00E-02	1.00E-02
Vinyl Chloride	0/8			1.00E-02	1.00E-02
Xylene (total)	0/8			1.00E-02	1.00E-02
bis(2-Chloroethoxy)Methane	0/8			1.13E-02	2.00E-02
bis(2-Chloroethyl) Ether	0/8			1.13E-02	2.00E-02
bis(2-Ethylhexyl)Phthalate	4/8	1.00E-03	2.40E-02	1.60E-02	3.33E-02
cis-1,3-Dichloropropene	0/8			1.00E-02	1.00E-02
trans-1,3-Dichloropropene	0/8			1.00E-02	1.00E-02

Table J.3a. Comparison of Chestnut Ridge OU2 Sluice Channel soil data with BSCP^a data

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
<i>Inorganics (mg/kg)</i>						
Aluminum	3/3	6.06E+03	9.35E+03	1.05E+04	1.18E+04	*
Antimony	0/3	1.10E+01				
Arsenic	3/3	5.00E+01	1.88E+01	2.41E+01	3.07E+01	
Barium	3/3	8.08E+01	5.53E+01	7.18E+01	9.32E+01	*
Beryllium	0/3	4.80E-01	4.12E-01	5.11E-01	6.34E-01	*
Cadmium	0/3	1.20E+00				
Calcium	3/3	6.28E+02	3.66E+02	5.05E+02	6.96E+02	*
Chromium VI	3/3	1.51E+01	1.30E+01	1.54E+01	1.83E+01	*
Cobalt	3/3	9.80E+00	5.85E+00	7.76E+00	1.03E+01	*
Copper	2/3	6.10E+00	4.76E+00	6.25E+00	8.19E+00	*
Iron	3/3	1.40E+04	1.03E+04	1.20E+04	1.39E+04	
Lead	3/3	2.48E+01	2.79E+01	3.82E+01	5.22E+01	*
Magnesium	3/3	2.32E+02	3.85E+02	4.63E+02	5.57E+02	*
Manganese	3/3	1.43E+03	7.80E+02	1.07E+03	1.46E+03	*
Mercury	1/3	1.20E-01	1.34E-01	1.57E-01	1.84E-01	*
Nickel	2/3	8.00E+00	6.03E+00	7.65E+00	9.71E+00	*
Potassium	0/3	5.33E+02	3.04E+02	3.70E+02	4.51E+02	
Selenium	2/2	1.04E+00	5.05E-01	6.37E-01	8.03E-01	
Silver	0/3	2.40E+00				
Sodium	2/3	3.49E+01	3.34E+02	3.57E+02	3.81E+02	*

Table J.3a (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Thallium	0/3	9.50E-01				
Vanadium	3/3	2.85E+01	2.31E+01	2.64E+01	3.03E+01	*
Zinc	3/3	1.96E+01	2.83E+01	3.49E+01	4.32E+01	*
<i>Radionuclides (pCi/g)</i>						
Thorium-228	3/3	6.40E-01	2.37E-01	3.39E-01	4.84E-01	
Thorium-230	1/3	1.40E+00	9.24E-01	1.11E+00	1.33E+00	
Thorium-232	3/3	7.80E-01	5.84E-01	6.79E-01	7.89E-01	*
Uranium-234	3/3	1.10E+00	1.20E+00	1.45E+00	1.75E+00	*
Uranium-235	1/3	2.70E-02	8.86E-02	1.25E-01	1.77E-01	*
Uranium-238	3/3	1.20E+00	1.23E+00	1.38E+00	1.54E+00	*
<i>Organics (mg/kg)</i>						
1,2,4-Trichlorobenzene	0/3	3.90E-01				
1,2-Dichlorobenzene	0/3	3.90E-01				
1,3-Dichlorobenzene	0/3	3.90E-01				
1,4-Dichlorobenzene	0/3	3.90E-01				
2,2'-Oxybis(1-Chloropropane)	0/3	3.90E-01				
2,4,5-Trichlorophenol	0/3	9.40E-01				
2,4,6-Trichlorophenol	0/3	3.90E-01				
2,4-Dichlorophenol	0/3	3.90E-01				

Table J.3a (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
2,4-Dimethylphenol	0/3	3.90E-01				
2,4-Dinitrophenol	0/3	9.40E-01				
2,4-Dinitrotoluene	0/3	3.90E-01				
2,6-Dinitrotoluene	0/3	3.90E-01				
2-Chloronaphthalene	0/3	3.90E-01				
2-Chlorophenol	0/3	3.90E-01				
2-Methylnaphthalene	0/3	3.90E-01				
2-Methylphenol	0/3	3.90E-01				
2-Nitroaniline	0/3	9.40E-01				
2-Nitrophenol	0/3	3.90E-01				
3,3'-Dichlorobenzidine	0/3	3.90E-01				
3-Nitroaniline	0/3	9.40E-01				
4,6-Dinitro-2-Methylphenol	0/3	9.40E-01				
4-Bromophenyl-phenylether	0/3	3.90E-01				
4-Chloro-3-Methylphenol	0/3	3.90E-01				
4-Chloroaniline	0/3	3.90E-01				
4-Chlorophenyl-phenylether	0/3	3.90E-01				
4-Methylphenol	0/3	3.90E-01				
4-Nitroaniline	0/3	9.40E-01				
4-Nitrophenol	0/3	9.40E-01				

Table J.3a (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Acenaphthene	0/3	3.90E-01	1.05E+00	1.42E+00	1.93E+00	*
Acenaphthylene	0/3	3.90E-01	1.39E+01	5.76E+01	2.40E+02	*
Anthracene	0/3	3.90E-01	5.43E-01	8.80E-01	1.42E+00	*
Benzo(a)Anthracene	0/3	3.90E-01	1.52E+00	2.01E+00	2.67E+00	*
Benzo(a)Pyrene	0/3	3.90E-01	1.99E+00	2.66E+00	3.54E+00	*
Benzo(b)Fluoranthene	0/3	3.90E-01	1.55E+00	2.19E+00	3.11E+00	*
Benzo(g,h,i)Perylene	0/3	3.90E-01	2.12E+00	2.85E+00	3.82E+00	*
Benzo(k)Fluoranthene	0/3	3.90E-01	1.08E+00	1.40E+00	1.81E+00	*
Butylbenzylphthalate	2/3	5.30E-02				
Carbazole	0/3	3.90E-01				
Chrysene	0/3	3.90E-01	2.84E+00	3.93E+00	5.45E+00	*
Di-n-Butylphthalate	0/3	3.90E-01				
Di-n-Octylphthalate	0/3	3.90E-01				
Dibenz(a,h)Anthracene	0/3	3.90E-01	6.67E-01	1.03E+00	1.59E+00	*
Dibenzofuran	0/3	3.90E-01				
Diethylphthalate	0/3	3.90E-01				
Dimethyl Phthalate	0/3	3.90E-01				
Fluoranthene	0/3	3.90E-01	4.35E+00	5.95E+00	8.12E+00	*
Fluorene	0/3	3.90E-01	4.80E-01	8.73E-01	1.59E+00	*
Hexachlorobenzene	0/3	3.90E-01				

Table J.3a (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Hexachlorobutadiene	0/3	3.90E-01				
Hexachlorocyclopentadiene	0/3	3.90E-01				
Hexachloroethane	0/3	3.90E-01				
Indeno(1,2,3-cd)Pyrene	0/3	3.90E-01				
Isophorone	0/3	3.90E-01				
N-Nitroso-Di-n-Propylamine	0/3	3.90E-01				
N-Nitrosodiphenylamine	0/3	3.90E-01				
Naphthalene	0/3	3.90E-01	3.93E+00	8.05E+00	1.65E+01	*
Nitrobenzene	0/3	3.90E-01				
Pentachlorophenol	0/3	9.40E-01				
Phenanthrene	0/3	3.90E-01	3.06E+00	4.06E+00	5.39E+00	*
Phenol	0/3	3.90E-01				
Pyrene	0/3	3.90E-01	3.61E+00	5.04E+00	7.02E+00	*
bis(2-Chloroethoxy)Methane	0/3	3.90E-01				
bis(2-Chloroethyl)Ether	0/3	3.90E-01				
bis(2-Ethylhexyl)Phthalate	0/3	3.90E-01				

^a BSCP = Background Soil Characterization Project (Energy Systems 1993c)

^b LCB95 = Lower 95% Confidence Bound on Median

^c UCB95 = Upper 95% Confidence Bound on Median

^d If the Chestnut Ridge OU2 analyte median concentration is below the UCB95 of the BSCP data (represented by *), that analyte is considered to be background.

Table J.3b. Comparison of Chestnut Ridge OU2 FCAP soil data with BSCP^a data

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
<i>Inorganics (mg/kg)</i>						
Aluminum	3/3	1.32E+04	7.51E+03	8.45E+03	9.51E+03	
Antimony	0/3	9.70E+00				
Arsenic	3/3	3.29E+01	8.82E+00	1.13E+01	1.44E+01	
Barium	3/3	5.20E+01	4.13E+01	5.36E+01	6.95E+01	*
Beryllium	3/3	8.70E-01	2.66E-01	3.50E-01	4.60E-01	
Cadmium	0/3	1.30E+00				
Calcium	3/3	1.27E+03	3.21E+02	4.43E+02	6.11E+02	
Chromium VI	3/3	1.33E+01	1.23E+01	1.46E+01	1.74E+01	*
Cobalt	3/3	2.19E+01	8.67E+00	1.15E+01	1.53E+01	
Copper	3/3	1.64E+01	2.92E+00	3.92E+00	5.26E+00	
Iron	3/3	1.70E+04	1.22E+04	1.42E+04	1.65E+04	
Lead	3/3	1.71E+01	1.32E+01	1.80E+01	2.46E+01	*
Magnesium	3/3	8.60E+02	3.07E+02	3.69E+02	4.43E+02	
Manganese	3/3	4.00E+02	6.72E+02	9.21E+02	1.26E+03	*
Mercury	0/3	1.30E-01	1.09E-01	1.29E-01	1.53E-01	*
Nickel	3/3	1.08E+01				
Potassium	3/3	1.13E+03				
Selenium	3/3	2.60E+00	3.09E-01	4.40E-01	6.25E-01	
Silver	0/3	1.90E+00				
Sodium	1/3	1.59E+02	3.03E+02	3.23E+02	3.44E+02	*

Table J.3b (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Thallium	0/3	1.10E+00				
Vanadium	3/3	2.88E+01	2.62E+01	3.00E+01	3.43E+01	*
Zinc	3/3	4.74E+01	3.18E+01	3.93E+01	4.86E+01	*
<i>Radionuclides (pCi/g)</i>						
Thorium-228	3/3	7.70E-01	4.25E-01	6.06E-01	8.63E-01	*
Thorium-230	0/3	1.80E+00	6.46E-01	7.74E-01	9.27E-01	
Thorium-232	3/3	7.50E-01	5.35E-01	6.22E-01	7.22E-01	
Uranium-234	3/3	1.20E+00	9.14E-01	1.10E+00	1.34E+00	*
Uranium-235	1/3	9.00E-02	4.99E-02	7.21E-02	1.04E-01	*
Uranium-238	3/3	1.20E+00	1.00E+00	1.12E+00	1.26E+00	*
<i>Organics (mg/kg)</i>						
1,2,4-Trichlorobenzene	0/3	4.30E-01				
1,2-Dichlorobenzene	0/3	4.30E-01				
1,3-Dichlorobenzene	0/3	4.30E-01				
1,4-Dichlorobenzene	0/3	4.30E-01				
2,2'-Oxybis(1-Chloropropane)	0/3	4.30E-01				
2,4,5-Trichlorophenol	0/3	1.10E+00				
2,4,6-Trichlorophenol	0/3	4.30E-01				
2,4-Dichlorophenol	0/3	4.30E-01				

Table J.3b (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
2,4-Dimethylphenol	0/3	4.30E-01				
2,4-Dinitrophenol	0/3	1.10E+00				
2,4-Dinitrotoluene	0/3	4.30E-01				
2,6-Dinitrotoluene	0/3	4.30E-01				
2-Chloronaphthalene	0/3	4.30E-01				
2-Chlorophenol	0/3	4.30E-01				
2-Methylnaphthalene	0/3	4.30E-01				
2-Methylphenol	0/3	4.30E-01				
2-Nitroaniline	0/3	1.10E+00				
2-Nitrophenol	0/3	4.30E-01				
3,3'-Dichlorobenzidine	0/3	4.30E-01				
3-Nitroaniline	0/3	1.10E+00				
4,6-Dinitro-2-Methylphenol	0/3	1.10E+00				
4-Bromophenylphenyl ether	0/3	4.30E-01				
4-Chloro-3-Methylphenol	0/3	4.30E-01				
4-Chloroaniline	0/3	4.30E-01				
4-Chlorophenylphenyl ether	0/3	4.30E-01				
4-Methylphenol	0/3	4.30E-01				
4-Nitroaniline	0/3	1.10E+00				
4-Nitrophenol	0/3	1.10E+00				

Table J.3b (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Acenaphthene	0/3	4.30E-01	4.70E-01	8.00E-01	1.36E+00	*
Acenaphthylene	0/3	4.30E-01				
Anthracene	0/3	4.30E-01	1.53E-01	3.98E-01	1.04E+00	*
Benzo(a)Anthracene	0/3	4.30E-01	1.17E+00	1.70E+00	2.46E+00	*
Benzo(a)Pyrene	0/3	4.30E-01	2.18E+00	3.28E+00	4.93E+00	*
Benzo(b)Fluoranthene	0/3	4.30E-01	1.67E+00	2.97E+00	5.28E+00	*
Benzo(g,h,i)Perylene	0/3	4.30E-01	1.79E+00	2.57E+00	3.68E+00	*
Benzo(k)Fluoranthene	0/3	4.30E-01	1.07E+00	1.57E+00	2.29E+00	*
Butylbenzylphthalate	2/3	5.30E-02				
Carbazole	0/3	4.30E-01				
Chrysene	0/3	4.30E-01				
Di-n-Butylphthalate	0/3	4.30E-01				
Di-n-Octylphthalate	0/3	4.30E-01				
Dibenz(a,h)Anthracene	0/3	4.30E-01	5.18E-01	1.03E+00	2.03E+00	*
Dibenzofuran	0/3	4.30E-01				
Diethylphthalate	0/3	4.30E-01				
Dimethyl Phthalate	0/3	4.30E-01				
Fluoranthene	0/3	4.30E-01	2.05E+00	3.09E+00	4.64E+00	*
Fluorene	0/3	4.30E-01	1.84E-01	3.65E-01	7.26E-01	*
Hexachlorobenzene	0/3	4.30E-01				

Table J.3b (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Hexachlorobutadiene	0/3	4.30E-01				
Hexachlorocyclopentadiene	0/3	4.30E-01				
Hexachloroethane	0/3	4.30E-01				
Indeno(1,2,3-cd)Pyrene	0/3	4.30E-01	3.87E+00	7.85E+00	1.59E+01	*
Isophorone	0/3	4.30E-01				
N-Nitroso-Di-n-Propylamine	0/3	4.30E-01				
N-Nitrosodiphenylamine	0/3	4.30E-01				
Naphthalene	0/3	4.30E-01	4.20E+00	9.50E+00	2.15E+01	*
Nitrobenzene	0/3	4.30E-01				
Pentachlorophenol	0/3	1.10E+00				
Phenanthrene	0/3	4.30E-01	2.15E+00	3.12E+00	4.52E+00	*
Phenol	0/3	4.30E-01				
Pyrene	0/3	4.30E-01	2.21E+00	3.42E+00	5.28E+00	*
bis(2-Chloroethoxy)Methane	0/3	4.30E-01				
bis(2-Chloroethyl)Ether	0/3	4.30E-01				
bis(2-Ethylhexyl)Phthalate	1/3	4.00E-01				

^a BSCP = Background Soil Characterization Project (Energy Systems 1993c)

^b LCB95 = Lower 95% Confidence Bound on Median

^c UCB95 = Upper 95% Confidence Bound on Median

^d If the Chestnut Ridge OU2 analyte median concentration is below the UCB95 of the BSCP data (represented by *), that analyte is considered to be background.

Table J.3c. Comparison of Chestnut Ridge OU2 UMB soil data with BSCP^a data

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
<i>Inorganics (mg/kg)</i>						
Aluminum	11/11	9.21E+03	7.51E+03	8.45E+03	9.51E+03	*
Arsenic	11/11	1.53E+01	8.82E+00	1.13E+01	1.44E+01	
Barium	11/11	7.66E+01	4.13E+01	5.36E+01	6.95E+01	
Beryllium	9/11	6.90E-01	2.66E-01	3.50E-01	4.60E-01	
Cadmium	11/11	1.50E+00				
Calcium	11/11	1.03E+03	3.21E+02	4.43E+02	6.11E+02	
Chromium VI	10/11	8.90E+00	1.23E+01	1.46E+01	1.74E+01	*
Cobalt	10/11	1.70E+01	8.67E+00	1.15E+01	1.53E+01	
Copper	10/11	1.18E+01	2.92E+00	3.92E+00	5.26E+00	
Iron	11/11	1.96E+04	1.22E+04	1.42E+04	1.65E+04	
Lead	11/11	1.38E+01	1.32E+01	1.80E+01	2.46E+01	*
Magnesium	11/11	9.70E+02	3.07E+02	3.69E+02	4.43E+02	
Manganese	11/11	9.65E+02	6.72E+02	9.21E+02	1.26E+03	*
Mercury	11/11	7.00E-02	1.09E-01	1.29E-01	1.53E-01	*
Nickel	10/11	2.19E+01				
Phosphorus	8/11	1.45E+02				
Potassium	10/11	1.72E+03				
Selenium	5/11	3.00E-01	3.09E-01	4.40E-01	6.25E-01	*
Sodium	11/11	1.35E+02	3.03E+02	3.23E+02	3.44E+02	*
Vanadium	11/11	2.60E+01	2.62E+01	3.00E+01	3.43E+01	*

Table J.3c (continued)

Analyte	Frequency of Detection	Chestnut Ridge OU2 Median	BSCP LCB95 ^b	BSCP Median	BSCP UCB95 ^c	Chestnut Ridge OU2 Median < BSCP UCB95 ^d
Zinc	11/11	7.93E+01	3.18E+01	3.93E+01	4.86E+01	
<i>Radionuclides (pCi/g)</i>						
Cesium-137	10/11	6.80E-02	4.23E-01	9.99E-01	2.36E+00	*
Thorium-234	2/2	5.13E+00				
Uranium-238	11/11	1.01E+00	1.00E+00	1.12E+00	1.26E+00	*

^a BSCP = Background Soil Characterization Project (Energy Systems 1993c)

^b LCB95 = Lower 95 % Confidence Bound on Median

^c UCB95 = Upper 95 % Confidence Bound on Median

^d If the Chestnut Ridge OU2 analyte median concentration is below the UCB95 of the BSCP data (represented by *), that analyte is considered to be background.

Table J.4a. Comparison of Chestnut Ridge OU2 sediment data with Chestnut Ridge OU2 sediment reference data

Analyte	Reference: Frequency of Detect	Reference: Minimum Detected Value	Reference: Maximum Detected Value	Reference: Mean Value	Chestnut Ridge OU2 Sample: Frequency of Detect	Chestnut Ridge OU2 Sample: Minimum Detected Value	Chestnut Ridge OU2 Sample: Maximum Detected Value	Chestnut Ridge OU2 Sample: Maximum Nondetected Value	Chestnut Ridge OU2 Sample: Mean Value	Final Decision (Back- ground?) ^a
FCAP										
<i>Inorganics (mg/kg)</i>										
Aluminum	4/4	2.81E+03	6.03E+03	4.40E+03	2/2	1.06E+04	1.15E+04		1.11E+04	
Arsenic	4/4	3.50E+00	1.34E+01	7.23E+00	2/2	1.00E+01	7.66E+01		4.33E+01	
Barium	4/4	6.80E+01	2.18E+02	1.23E+02	2/2	4.36E+01	9.81E+01		7.09E+01	YES
Beryllium	3/4	7.70E-01	1.20E+00	8.15E-01	2/2	7.80E-01	2.10E+00		1.44E+00	
Calcium	4/4	8.59E+02	1.79E+04	7.49E+03	2/2	1.45E+03	3.71E+03		2.58E+03	YES
Chromium VI	4/4	8.30E+00	2.73E+01	1.92E+01	2/2	1.45E+01	3.29E+01		2.37E+01	
Cobalt	4/4	8.10E+00	1.76E+01	1.31E+01	2/2	8.50E+00	1.11E+01		9.80E+00	YES
Copper	3/4	2.00E+00	1.48E+01	6.40E+00	1/2	1.21E+01	1.21E+01	1.89E+01	1.55E+01	
Iron	4/4	1.16E+04	2.09E+04	1.81E+04	2/2	9.55E+03	3.01E+04		1.98E+04	
Lead	4/4	1.70E+00	1.18E+01	8.43E+00	2/2	1.82E+01	2.48E+01		2.15E+01	
Magnesium	4/4	1.89E+02	5.89E+03	2.42E+03	2/2	7.27E+02	1.23E+03		9.79E+02	YES
Manganese	4/4	1.31E+03	3.37E+03	2.05E+03	2/2	3.63E+02	9.76E+02		6.70E+02	YES
Nickel	3/4	5.90E+00	1.15E+01	8.55E+00	1/2	1.63E+01	1.63E+01	2.35E+01	1.99E+01	
Potassium	1/4	7.85E+02	7.85E+02	5.02E+02	1/2	7.48E+02	7.48E+02	1.69E+03	1.22E+03	
Sodium	1/4	3.24E+01	3.24E+01	1.15E+02	2/2	2.18E+02	5.41E+02		3.80E+02	
Vanadium	4/4	1.36E+01	3.50E+01	2.91E+01	2/2	2.37E+01	3.55E+01		2.96E+01	
Zinc	4/4	2.41E+01	3.21E+02	1.39E+02	2/2	4.00E+01	5.82E+01		4.91E+01	YES

Table J.4a (continued)

Analyte	Reference: Frequency of Detect	Reference: Minimum Detected Value	Reference: Maximum Detected Value	Reference: Mean Value	Chestnut Ridge OU2 Sample: Frequency of Detect	Chestnut Ridge OU2 Sample: Minimum Detected Value	Chestnut Ridge OU2 Sample: Maximum Detected Value	Chestnut Ridge OU2 Sample: Maximum Nondetected Value	Chestnut Ridge OU2 Sample: Mean Value	Final Decision (Back- ground?) ^a
<i>Radionuclides (pCi/g)</i>										
Thorium-228	4/4	3.60E-01	8.40E-01	6.35E-01	2/2	6.30E-01	7.30E-01		6.80E-01	
Thorium-232	4/4	2.60E-01	7.10E-01	5.53E-01	2/2	4.50E-01	1.60E+00		1.03E+00	
Uranium-234	4/4	6.50E-01	1.00E+00	8.68E-01	2/2	2.00E+00	3.90E+00		2.95E+00	
Uranium-235	3/4	1.20E-01	2.20E-01	1.39E-01	2/2	2.50E-01	2.90E-01		2.70E-01	
Uranium-238	4/4	7.20E-01	1.40E+00	9.28E-01	2/2	1.60E+00	3.00E+00		2.30E+00	
UMB										
<i>Inorganics (mg/kg)</i>										
Aluminum	4/4	2.81E+03	6.03E+03	4.40E+03	2/2	9.32E+03	2.27E+04		1.60E+04	
Arsenic	4/4	3.50E+00	1.34E+01	7.23E+00	2/2	1.67E+02	2.30E+03		1.23E+03	
Barium	4/4	6.80E+01	2.18E+02	1.23E+02	2/2	3.09E+02	5.96E+02		4.53E+02	
Beryllium	3/4	7.70E-01	1.20E+00	8.15E-01	2/2	1.40E+00	4.70E+00		3.05E+00	
Calcium	4/4	8.59E+02	1.79E+04	7.49E+03	2/2	3.64E+03	3.04E+04		1.70E+04	
Chromium VI	4/4	8.30E+00	2.73E+01	1.92E+01	2/2	8.50E+00	2.17E+01		1.51E+01	
Cobalt	4/4	8.10E+00	1.76E+01	1.31E+01	2/2	2.07E+01	8.62E+01		5.35E+01	
Copper	3/4	2.00E+00	1.48E+01	6.40E+00	2/2	1.91E+01	2.31E+01		2.11E+01	
Iron	4/4	1.16E+04	2.09E+04	1.81E+04	2/2	2.31E+04	6.33E+04		4.32E+04	

Table J.4a (continued)

Analyte	Reference: Frequency of Detect	Reference: Minimum Detected Value	Reference: Maximum Detected Value	Reference: Mean Value	Chestnut Ridge OU2 Sample: Frequency of Detect	Chestnut Ridge OU2 Sample: Minimum Detected Value	Chestnut Ridge OU2 Sample: Maximum Detected Value	Chestnut Ridge OU2 Sample: Maximum Nondetected Value	Chestnut Ridge OU2 Sample: Mean Value	Final Decision (Back- ground?) ^a
Lead	4/4	1.70E+00	1.18E+01	8.43E+00	2/2	6.70E+00	1.71E+01		1.19E+01	
Magnesium	4/4	1.89E+02	5.89E+03	2.42E+03	2/2	1.02E+03	1.80E+04		9.51E+03	
Manganese	4/4	1.31E+03	3.37E+03	2.05E+03	2/2	4.03E+03	1.37E+04		8.87E+03	
Nickel	3/4	5.90E+00	1.15E+01	8.55E+00	2/2	3.07E+01	4.51E+01		3.79E+01	
Potassium	1/4	7.85E+02	7.85E+02	5.02E+02	2/2	1.75E+03	2.60E+03		2.18E+03	
Sodium	1/4	3.24E+01	3.24E+01	1.15E+02	2/2	3.85E+02	5.20E+02		4.53E+02	
Vanadium	4/4	1.36E+01	3.50E+01	2.91E+01	2/2	2.73E+01	4.87E+01		3.80E+01	
Zinc	4/4	2.41E+01	3.21E+02	1.39E+02	2/2	1.57E+02	2.65E+02		2.11E+02	
<i>Radionuclides (pCi/g)</i>										
Thorium-228	4/4	3.60E-01	8.40E-01	6.35E-01	2/2	1.00E+00	4.30E+00		2.65E+00	
Thorium-232	4/4	2.60E-01	7.10E-01	5.53E-01	2/2	9.30E-01	1.20E+00		1.07E+00	
Uranium-234	4/4	6.50E-01	1.00E+00	8.68E-01	2/2	1.70E+00	2.20E+00		1.95E+00	
Uranium-235	3/4	1.20E-01	2.20E-01	1.39E-01	2/2	1.40E-01	2.10E-01		1.75E-01	
Uranium-238	4/4	7.20E-01	1.40E+00	9.28E-01	2/2	1.90E+00	2.20E+00		2.05E+00	

^a If the Chestnut Ridge OU2 analyte maximum concentration is below the reference data mean value (represented by YES), that analyte is considered to be background.

Table J.4b. Comparison of Chestnut Ridge OU2 surface water data with Chestnut Ridge OU2 surface water reference data

Analyte	Reference: Frequency of Detect	Reference: Minimum Detected Value	Reference: Maximum Detected Value	Reference: Mean Value	Chestnut Ridge OU2 Sample: Frequency of Detect	Chestnut Ridge OU2 Sample: Minimum Detected Value	Chestnut Ridge OU2 Sample: Maximum Detected Value	Chestnut Ridge OU2 Sample: Maximum Nondetected Value	Chestnut Ridge OU2 Sample: Mean Value	Final Decision (Back- ground?) ^a
FCAP										
<i>Inorganics (mg/L)</i>										
Aluminum	1/5	5.56E-01	5.56E-01	1.72E-01	1/3	7.92E+00	7.92E+00	1.17E-01	2.72E+00	
Barium	5/5	1.64E-02	1.46E-01	6.85E-02	3/3	1.55E-02	6.89E-02		3.92E-02	
Calcium	5/5	2.14E+00	3.56E+01	2.39E+01	3/3	6.00E+00	2.70E+01		1.72E+01	
Iron	4/5	4.19E-02	2.34E+00	5.04E-01	3/3	1.62E-01	6.11E+00		2.32E+00	
Magnesium	5/5	6.17E-01	1.74E+01	1.22E+01	3/3	2.45E+00	1.53E+01		7.78E+00	
Manganese	5/5	6.40E-03	4.35E-01	1.01E-01	3/3	1.21E-01	1.70E+00		6.79E-01	
Potassium	1/5	2.16E+00	2.16E+00	1.51E+00	1/3	6.67E+00	6.67E+00	1.35E+00	3.12E+00	
Sodium	5/5	3.29E-01	8.39E-01	6.58E-01	2/3	8.76E-01	1.19E+00	8.54E-01	9.73E-01	
Zinc	5/5	4.90E-03	1.19E-02	6.72E-03	2/3	1.11E-02	1.06E-01	6.60E-03	4.12E-02	
<i>Radionuclides (pCi/L)</i>										
Thorium-232	1/5	6.30E-01	6.30E-01	1.36E-01	0/3			1.90E-01	6.93E-02	
Uranium-234	5/5	7.20E-02	5.10E-01	2.20E-01	2/3	2.10E-01	3.30E-01	4.10E-02	1.94E-01	
Uranium-238	1/5	1.90E-01	1.90E-01	6.16E-02	2/3	6.80E-02	1.10E-01	3.60E-02	7.13E-02	
<i>Organics (mg/L)</i>										
Di-n-Butyl-phthalate	1/5	1.00E-03	1.00E-03	8.20E-03	0/3			1.00E-02	1.00E-02	

Table J.4b (continued)

Analyte	Reference: Frequency of Detect	Reference: Minimum Detected Value	Reference: Maximum Detected Value	Reference: Mean Value	Chestnut Ridge OU2 Sample: Frequency of Detect	Chestnut Ridge OU2 Sample: Minimum Detected Value	Chestnut Ridge OU2 Sample: Maximum Detected Value	Chestnut Ridge OU2 Sample: Maximum Nondetected Value	Chestnut Ridge OU2 Sample: Mean Value	Final Decision (Back- ground?) ^a
Phenol	1/5	2.00E-03	2.00E-03	8.40E-03	0/3			1.00E-02	1.00E-02	
bis(2-Ethylhexyl)- Phthalate	2/5	2.00E-03	6.00E-03	7.60E-03	0/3			1.00E-02	1.00E-02	
UMB										
<i>Inorganics (mg/L)</i>										
Aluminum	1/5	5.56E-01	5.56E-01	1.72E-01	10/11	3.32E-02	1.46E+00	7.95E-02	2.00E-01	
Barium	5/5	1.64E-02	1.46E-01	6.85E-02	11/11	1.30E-03	1.55E-01		7.10E-02	
Calcium	5/5	2.14E+00	3.56E+01	2.39E+01	11/11	9.36E-02	5.12E+01		4.07E+01	
Iron	4/5	4.19E-02	2.34E+00	5.04E-01	7/11	5.80E-03	3.31E+00	1.63E-01	5.26E-01	
Magnesium	5/5	6.17E-01	1.74E+01	1.22E+01	11/11	1.22E-02	1.57E+01		1.32E+01	
Manganese	5/5	6.40E-03	4.35E-01	1.01E-01	8/11	1.68E-02	1.09E+00	1.00E-03	2.84E-01	
Potassium	1/5	2.16E+00	2.16E+00	1.51E+00	10/11	2.04E+00	4.94E+00	6.00E-01	3.16E+00	
Sodium	5/5	3.29E-01	8.39E-01	6.58E-01	11/11	2.48E-01	2.96E+00		2.07E+00	
Zinc	5/5	4.90E-03	1.19E-02	6.72E-03	11/11	2.10E-03	3.35E-02		1.14E-02	
<i>Radionuclides (pCi/L)</i>										
Thorium-232	1/5	6.30E-01	6.30E-01	1.36E-01	1/3	7.70E-02	7.70E-02	1.40E-02	3.20E-02	YES
Uranium-234	5/5	7.20E-02	5.10E-01	2.20E-01	3/3	3.40E-01	5.00E-01		4.33E-01	
Uranium-238	1/5	1.90E-01	1.90E-01	6.16E-02	7/11	2.20E-01	3.36E-01	3.36E-01	3.20E-01	

Table J.4b (continued)

Analyte	Reference: Frequency of Detect	Reference: Minimum Detected Value	Reference: Maximum Detected Value	Reference: Mean Value	Chestnut Ridge OU2 Sample: Frequency of Detect	Chestnut Ridge OU2 Sample: Minimum Detected Value	Chestnut Ridge OU2 Sample: Maximum Detected Value	Chestnut Ridge OU2 Sample: Maximum Nondetected Value	Chestnut Ridge OU2 Sample: Mean Value	Final Decision (Back- ground?) ^a
<i>Organics (mg/L)</i>										
Di-n-Butyl-phthalate	1/5	1.00E-03	1.00E-03	8.20E-03	0/3			1.00E-02	1.00E-02	
Phenol	1/5	2.00E-03	2.00E-03	8.40E-03	0/3			1.00E-02	1.00E-02	
bis(2-Ethylhexyl)-Phthalate	2/5	2.00E-03	6.00E-03	7.60E-03	2/3	4.00E-03	4.80E-02	1.00E-02	2.07E-02	

^a If the Chestnut Ridge OU2 analyte maximum concentration is below the reference data mean value (represented by YES), that analyte is considered to be background.

**Table J.5a. Chestnut Ridge OU2 toxicity screening for detected inorganic and organic analytes in the Sluice Channel
(carcinogenic and noncarcinogenic; ingestion and inhalation)**

Analyte	Maximum Detected Conc. ^a	Oral RfD (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
ASH														
<i>Inorganics</i>														
Arsenic	1.59E+02	3.0E-04			5.0E+01	5.30E+05	96.24					7.95E+03	99.83	
Barium	4.21E+02	7.0E-02	1.4E-04			6.01E+03	1.09	2.95E+06	49.41					
Beryllium	1.60E+00	5.0E-03		4.3E+00	8.4E+00	3.20E+02	0.06			6.88E+00	100.00	1.34E+01	0.17	
Chromium VI ^d	1.71E+01	5.0E-03			4.1E+01									
Manganese	3.44E+02	1.4E-01	1.1E-04			2.46E+03	0.45	3.01E+06	50.47					
Mercury	6.10E-01	3.0E-04	8.6E-05			2.03E+03	0.37	7.12E+03	0.12					DROP
Nickel	3.99E+01	2.0E-02				2.00E+03	0.36							DROP
Selenium	4.70E+00	5.0E-03				9.40E+02	0.17							DROP
Vanadium	4.75E+01	7.0E-03				6.79E+03	1.23							
Zinc	4.00E+01	3.0E-01				1.33E+02	0.02							DROP
Toxicity Score Totals						5.51E+05		5.96E+06		6.88E+00		7.96E+03		
SOIL (below ash)														
<i>Inorganics</i>														
Arsenic	5.12E+01	3.0E-04			5.0E+01	1.71E+05	99.87					2.56E+03	100.00	
Selenium	1.10E+00	5.0E-03				2.20E+02	0.13							DROP
<i>Organics</i>														
Butylbenzyl-phthalate	5.30E-02	2.0E-01				2.65E-01	0.00							DROP
Toxicity Score Totals						1.71E+05		0.00E+00		0.00E+00		2.56E+03		

^a Maximum detected concentrations are in mg/kg for ash and soil.

^b RfCs were converted to units of mg/kg-d (i.e., RfD units) by using the inhalation rate and body weight of an adult [i.e., RfC x 20m³/d x (1/70kg) = RfD] (EPA 1989a).

^c A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1% of the total score (for all existing pathways). For example, if an analyte toxicity score was less than 1% for noncarcinogenic oral and inhalation pathways, but greater than 1% for the carcinogenic oral pathway, then that analyte would not be eliminated from the COPC list based on this toxicity screening test (EPA 1989a).

^d Because the speciation of chromium is unknown, it was not included in this toxicity screening, but will be included as a COPC (in its most toxic form; chromium III and/or VI) in this baseline HHRA.

**Table J.5b. Chestnut Ridge OU2 toxicity screening for detected inorganic and organic analytes in the FCAP
(carcinogenic and noncarcinogenic; ingestion and inhalation)**

Analyte	Maximum Detected Conc. ^a	Oral RfD (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
ASH														
<i>Inorganics</i>														
Arsenic	1.93E+02	3.0E-04			5.0E+01	6.43E+05	93.64					9.65E+03	99.35	
Barium	6.30E+02	7.0E-02	1.4E-04			9.00E+03	1.31	4.41E+06	63.50					
Beryllium	7.50E+00	5.0E-03		4.3E+00	8.4E+00	1.50E+03	0.22			3.23E+01	99.98	6.30E+01	0.65	
Chromium VI ^d	4.21E+01	5.0E-03			4.1E+01									
Manganese	2.88E+02	1.4E-01	1.1E-04			2.06E+03	0.30	2.52E+06	36.28					
Mercury	1.30E+00	3.0E-04	8.6E-05			4.33E+03	0.63	1.52E+04	0.22					DROP
Nickel	5.60E+01	2.0E-02				2.80E+03	0.41							DROP
Selenium	3.08E+01	5.0E-03				6.16E+03	0.90							DROP
Vanadium	1.23E+02	7.0E-03				1.76E+04	2.56							
Zinc	8.31E+01	3.0E-01				2.77E+02	0.04							DROP
<i>Organics</i>														
Butylbenzyl- phthalate	1.10E-01	2.0E-01				5.50E-01	0.00							DROP
Chloroform	2.00E-03	1.0E-02		6.1E-03	8.1E-02	2.00E-01	0.00			1.22E-05	0.00	1.62E-04	0.00	DROP
alpha-BHC	3.00E-04			6.3E+00	6.3E+00					1.89E-03	0.01	1.89E-03	0.00	DROP
bis(2-Ethyl- hexyl)- Phthalate	2.70E-01	2.0E-02		1.4E-02		1.35E+01	0.00			3.78E-03	0.01			DROP
Toxicity Score Totals						6.87E+05		6.95E+06		3.23E+01		9.71E+03		

Table J.5b (continued)

Analyte	Maximum Detected Conc. ^a (mg/kg-d)	Oral RfD ^b (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Inhalation Toxicity Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Toxicity Scores	Oral Carcinogen Toxicity Score	% of Total Oral Carcinogen Toxicity Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Toxicity Scores	% of Total Inhalation Scores	Final Decision ^c
SEDIMENT															
Inorganics															
Arsenic	7.66E+01	3.0E-04				5.0E+01	2.55E+05	97.43				3.83E+03	99.54		
Beryllium	2.10E+00	5.0E-03	4.3E+00	8.4E+00	4.20E+02	0.16			9.03E+00	100.00		1.76E+01	0.46		
Chromium VI ^d	3.29E+01	5.0E-03				4.1E+01									
Nickel	1.63E+01	2.0E-02				8.15E+02	0.31								DROP
Selenium	1.00E+00	5.0E-03				2.00E+02	0.08								DROP
Vanadium	3.55E+01	7.0E-03				5.07E+03	1.94								
Organics															
4-Methyl-phenol	1.10E+00	5.0E-03				2.20E+02	0.08								DROP
Butylbenzyl-phthalate	1.70E-01	2.0E-01				8.50E-01	0.00								DROP
Di-n-Butyl-phthalate	1.60E-01	1.0E-01				1.60E+00	0.00								DROP
Toxicity Score Totals															
						2.62E+05			0.00E+00			9.03E+00	3.85E+03		
SOIL (below ash)															
Inorganics															
Arsenic	4.35E+01	3.0E-04				5.0E+01	1.45E+05	98.49					2.18E+03	99.42	
Beryllium	1.50E+00	5.0E-03		4.3E+00	8.4E+00	3.00E+02	0.20			6.45E+00	99.99	1.26E+01	0.58		
Nickel	2.75E+01	2.0E-02				1.38E+03	0.93								DROP
Selenium	2.70E+00	5.0E-03				5.40E+02	0.37								DROP

Table J.5b (continued)

Analyte	Maximum Detected Conc. ^a	Oral RfD (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
<i>Organics</i>														
Butylbenzyl-phthalate	5.30E-02	2.0E-01				2.65E-01	0.00							DROP
bis(2-Ethyl-hexyl)-Phthalate	4.90E-02	2.0E-02		1.4E-02		2.45E+00	0.00			6.86E-04	0.01			DROP
Toxicity Score Totals						1.47E+05		0.00E+00		6.45E+00		2.19E+03		
SURFACE WATER														
<i>Inorganics</i>														
Arsenic	1.00E-02	3.0E-04			5.0E+01	3.33E+01	8.84					5.00E-01	100.00	
Barium	6.89E-02	7.0E-02	1.4E-04			9.84E-01	0.26	4.82E+02	3.14					
Chromium III ^d	8.80E-03	1.0E+00												
Manganese	1.70E+00	5.0E-03	1.1E-04			3.40E+02	90.21	1.49E+04	96.86					
Vanadium	1.56E-02	7.0E-03				2.23E+00	0.59							DROP
Zinc	1.06E-01	3.0E-01				3.53E-01	0.09							DROP
Toxicity Score Totals						3.77E+02		1.54E+04		0.00E+00		5.00E-01		

^a Maximum detected concentrations are in mg/kg for ash, sediment, and soil; surface water concentrations are in mg/L.

^b RfCs were converted to units of mg/kg-d (i.e., RfD units) by using the inhalation rate and body weight of an adult [i.e., $RfC \times 20m^3/d \times (1/70kg) = RfD$] (EPA 1989a).

^c A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1% of the total score (for all existing pathways). For example, if an analyte toxicity score was less than 1% for noncarcinogenic oral and inhalation pathways, but greater than 1% for the carcinogenic oral pathway, then that analyte would not be eliminated from the COPC list based on this toxicity screening test (EPA 1989a).

^d Because the speciation of chromium is unknown, it was not included in this toxicity screening, but will be included as a COPC (in its most toxic form; chromium III and/or VI) in this baseline HHRA.

(carcinogenic and noncarcinogenic; ingestion and inhalation)

Analyte	Maximum Detected Conc. ^a	Oral RfD ^b (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Toxicity Score	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Toxicity Score	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Toxicity Score	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Toxicity Score	Final Decision ^c
ASH														
Inorganics														
Arsenic	5.92E+01	3.0E-04		5.0E+01	1.97E+05	82.56						2.96E+03	98.26	
Barium	6.84E+02	7.0E-02	1.4E-04		9.77E+03	4.09	4.79E+06	31.30						
Beryllium	3.20E+00	5.0E-03		4.3E+00	6.40E+02	0.27			1.38E+01	100.00		2.69E+01	0.89	
Cadmium	4.20E+00	1.0E-03		6.1E+00	4.20E+03	1.76						2.56E+01	0.85	
Chromium VI ^d	1.82E+01	5.0E-03		4.1E+01										
Manganese	1.20E+03	1.4E-01	1.1E-04		8.57E+03	3.59	1.05E+07	68.64						
Mercury	7.30E-01	3.0E-04	8.6E-05		2.43E+03	1.02	8.52E+03	0.06						
Nickel	4.07E+01	2.0E-02			2.04E+03	0.85								DROP
Selenium	9.10E+00	5.0E-03			1.82E+03	0.76								DROP
Vanadium	8.37E+01	7.0E-03			1.20E+04	5.00								
Zinc	7.57E+01	3.0E-01			2.52E+02	0.11								DROP
Toxicity Score Totals														
					2.39E+05		1.53E+07		1.38E+01		3.01E+03			
SEDIMENT														
Inorganics														
Arsenic	2.30E+03	3.0E-04		5.0E+01	7.67E+06	98.49						1.15E+05	99.97	
Barium	5.96E+02	7.0E-02	1.4E-04		8.51E+03	0.11	4.17E+06	3.36						
Beryllium	4.70E+00	5.0E-03		4.3E+00	9.40E+02	0.01			2.02E+01	100.00		3.95E+01	0.03	
Chromium VI ^d	2.17E+01	5.0E-03			4.1E+01									
Manganese	1.37E+04	1.4E-01			9.79E+04	1.26	1.20E+08	96.64						

Table J.5c (continued)

Analyte	Maximum Detected Conc. ^a	Oral RfD ^b (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Oral Toxicity Score	Noncarcin. Oral Scores	% of Total Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Oral Toxicity Score	Oral Carcinogen Scores	% of Total Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
Nickel	4.51E+01	2.0E-02			2.26E+03	0.03								DROP
Selenium	2.40E+00	5.0E-03			4.80E+02	0.01								DROP
Vanadium	4.87E+01	7.0E-03			6.96E+03	0.09								DROP
Zinc	2.65E+02	3.0E-01			8.83E+02	0.01								DROP
<i>Organic</i>														
4-Methyl- phenol	2.10E-01	5.0E-03			4.20E+01	0.00								DROP
Toxicity Score Totals														
SOIL (below ash)														
<i>Inorganics</i>														
Arsenic	4.36E+01	3.0E-04			5.0E+01	1.45E+05	83.73					2.18E+03	93.53	
Barium	1.96E+02	7.0E-02	1.4E-04			2.80E+03	1.61	1.37E+06	100.00					
Beryllium	1.40E+00	5.0E-03		4.3E+00	8.4E+00	2.80E+02	0.16		6.02E+00	100.00		1.18E+01	0.50	
Cadmium	2.28E+01	1.0E-03			6.1E+00	2.28E+04	13.14					1.39E+02	5.97	
Nickel	4.04E+01	2.0E-02				2.02E+03	1.16							
Zinc	1.02E+02	3.0E-01				3.40E+02	0.20							DROP
Toxicity Score Totals														
SURFACE WATER														
<i>Inorganics</i>														
Arsenic	2.29E-01	3.0E-04				5.0E+01	7.63E+02	77.20					1.15E+01	100.00

Table J.5c (continued)

Analyte	Maximum Detected Conc. ^a	Oral RfD (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
Barium	1.55E-01	7.0E-02	1.4E-04			2.21E+00	0.22	1.09E+03	10.21					
Manganese	1.09E+00	5.0E-03	1.1E-04			2.18E+02	22.05	9.54E+03	89.76					
Mercury	2.40E-04	3.0E-04	8.6E-05			8.00E-01	0.08	2.80E+00	0.03					DROP
Nitrate	1.00E+00	1.6E+00				6.25E-01	0.06							DROP
Zinc	3.35E-02	3.0E-01				1.12E-01	0.01							DROP
<i>Organics</i>														
Di-n-Octyl-phthalate	2.70E-02	2.0E-02				1.35E+00	0.14							DROP
bis(2-Ethyl-hexyl)-Phthalate	4.80E-02	2.0E-02		1.4E-02		2.40E+00	0.24			6.72E-04	100.00			
Toxicity Score Totals						9.89E+02		1.06E+04		6.72E-04		1.15E+01		

^a Maximum detected concentrations are in mg/kg for ash, sediment, and soil; surface water concentrations are in mg/L.

^b RfCs were converted to units of mg/kg-d (i.e., RfD units) by using the inhalation rate and body weight of an adult [i.e., $RfC \times 20m^3/d \times (1/70kg) = RfD$] (EPA 1989a).

^c A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1 % of the total score (for all existing pathways). For example, if an analyte toxicity score was less than 1 % for noncarcinogenic oral and inhalation pathways, but greater than 1 % for the carcinogenic oral pathway, then that analyte would not be eliminated from the COPC list based on this toxicity screening test (EPA 1989a).

^d Because the speciation of chromium is unknown, it was not included in this toxicity screening, but will be included as a COPC (in its most toxic form; chromium III and/or VI) in this baseline HHRA.

**Table J.5d. Chestnut Ridge OU2 toxicity screening for detected inorganic and organic analytes in the groundwater
(carcinogenic and noncarcinogenic; ingestion and inhalation)**

Analyte	Maximum Detected Conc. ^a	Oral RfD (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
GROUNDWATER														
<i>Inorganics</i>														
Arsenic	5.00E-03	3.0E-04			5.0E+01	1.67E+01	2.68					2.50E-01	75.21	
Barium	6.74E-01	7.0E-02	1.4E-04			9.63E+00	1.55	4.72E+03	16.37					
Beryllium	4.00E-03	5.0E-03		4.3E+00	8.4E+00	8.00E-01	0.13			1.72E-02	98.08	3.36E-02	10.11	
Boron	2.40E-01	9.0E-02	5.7E-03			2.67E+00	0.43	4.20E+01	0.15					DROP
Cadmium	8.00E-03	5.0E-04			6.1E+00	1.60E+01	2.57					4.88E-02	14.68	
Chromium VI ^d	7.47E-02	5.0E-03			4.1E+01									
Manganese	2.75E+00	5.0E-03	1.1E-04			5.50E+02	88.48	2.41E+04	83.47					
Mercury	3.30E-04	3.0E-04	8.6E-05			1.10E+00	0.18	3.85E+00	0.01					DROP
Nickel	4.11E-02	2.0E-02				2.06E+00	0.33							DROP
Nitrate	7.00E+00	1.6E+00				4.38E+00	0.70							DROP
Selenium	5.80E-03	5.0E-03				1.16E+00	0.19							DROP
Strontium	2.30E-02	6.0E-01				3.83E-02	0.01							DROP
Vanadium	6.27E-02	7.0E-03				8.96E+00	1.44							
Zinc	2.07E+00	3.0E-01				6.90E+00	1.11							
<i>Organics</i>														
Di-n-Butyl-phthalate	3.00E-03	1.0E-01				3.00E-02	0.00							DROP
Diethyl-phthalate	2.00E-03	8.0E-01				2.50E-03	0.00							DROP

Table J.5d (continued)

Analyte	Maximum Detected Conc. ^a	Oral RfD (mg/kg-d)	Inhalation RfD ^b (mg/kg-d)	Oral SF (kg-d/mg)	Inhalation SF (kg-d/mg)	Noncarcin. Oral Toxicity Score	% of Total Noncarcin. Oral Scores	Noncarcin. Inhalation Toxicity Score	% of Total Noncarcin. Inhalation Scores	Carcinogen Oral Toxicity Score	% of Total Carcinogen Oral Scores	Carcinogen Inhalation Toxicity Score	% of Total Carcinogen Inhalation Scores	Final Decision ^c
Phenol	5.00E-03	6.0E-01				8.33E-03	0.00							DROP
Bis(2-Ethyl-hexyl)-Phthalate	2.40E-02	2.0E-02		1.4E-02		1.20E+00	0.19			3.36E-04	1.92			
Toxicity Score Totals						6.22E+02		2.88E+04		1.75E-02		3.32E-01		

^a Maximum detected concentrations are in mg/L for groundwater.

^b RfCs were converted to units of mg/kg-d (i.e., RfD units) by using the inhalation rate and body weight of an adult [i.e., $RfC \times 20m^3/d \times (1/70kg) = RfD$] (EPA 1989a).

^c A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1 % of the total score (for all existing pathways). For example, if an analyte toxicity score was less than 1 % for noncarcinogenic oral and inhalation pathways, but greater than 1 % for the carcinogenic oral pathway, then that analyte would not be eliminated from the COPC list based on this toxicity screening test (EPA 1989a).

^d Because the speciation of chromium is unknown, it was not included in this toxicity screening, but will be included as a COPC (in its most toxic form; chromium III and/or VI) in this baseline HHRA.

**Table J.6a. Chestnut Ridge OU2 toxicity screening for detected radionuclides in the Sluice Channel
(carcinogenic; ingestion, inhalation, and external exposure)**

Analyte	Maximum Detected Conc. ^a	Ingestion SF (1/pCi)	Inhalation SF (1/pCi)	External Exposure SF (g/pCi-y)	Ingestion Toxicity Score	% of Total Ingestion Score	Inhalation Toxicity Score	% of Total Inhalation Score	External Exposure Toxicity Score	% of Total External Exposure Score	Final Decision ^b
ASH											
<i>Radionuclides</i>											
Thorium-228	1.10E+00	5.5E-11	7.8E-08	5.6E-06	6.05E-11	21.66	8.58E-08	17.28	6.16E-06	97.47	
Thorium-230	2.90E+00	1.3E-11	2.9E-08	5.4E-11	3.77E-11	13.50	8.41E-08	16.94	1.57E-10	0.00	
Thorium-232	1.30E+00	1.2E-11	2.8E-08	2.6E-11	1.56E-11	5.58	3.64E-08	7.33	3.38E-11	0.00	
Uranium-234	4.40E+00	1.6E-11	2.6E-08	3.0E-11	7.04E-11	25.20	1.14E-07	23.04	1.32E-10	0.00	
Uranium-235	1.70E-01	1.6E-11	2.5E-08	2.4E-07	2.72E-12	0.97	4.25E-09	0.86	4.08E-08	0.65	DROP
Uranium-238	3.30E+00	2.8E-11	5.2E-08	3.6E-08	9.24E-11	33.08	1.72E-07	34.56	1.19E-07	1.88	
Toxicity Score Totals					2.79E-10		4.97E-07		6.32E-06		
SOIL (below ash)											
<i>Radionuclides</i>											
Thorium-228	8.40E-01	5.5E-11	7.8E-08	5.6E-06	4.62E-11	71.74	6.55E-08	61.74	4.70E-06	100.00	
Thorium-230	1.40E+00	1.3E-11	2.9E-08	5.4E-11	1.82E-11	28.26	4.06E-08	38.26	7.56E-11	0.00	
Toxicity Score Totals					6.44E-11		1.06E-07		4.70E-06		

^a Maximum detected concentrations are in pCi/g for ash and soil.

^b A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1 % of the total score (for all existing pathways) (EPA 1989a).

**Table J.6b. Chestnut Ridge OU2 toxicity screening for detected radionuclides in the FCAP
(carcinogenic; ingestion, inhalation, and external exposure)**

Analyte	Maximum Detected Conc. ^a	Ingestion SF (1/pCi)	Ingestion SF (1/pCi)	External Exposure SF (g/pCi-y)	Ingestion Toxicity Score	% of Total Ingestion Score	Inhalation Toxicity Score	% of Total Inhalation Score	External Exposure Toxicity Score	% of Total External Exposure Score	Final Decision ^b
ASH											
<i>Radionuclides</i>											
Thorium-228	2.70E+00	5.5E-11	7.8E-08	5.6E-06	1.49E-10	30.84	2.11E-07	24.68	1.51E-05	98.26	
Thorium-230	5.80E+00	1.3E-11	2.9E-08	5.4E-11	7.54E-11	15.66	1.68E-07	19.72	3.13E-10	0.00	
Thorium-232	2.70E+00	1.2E-11	2.8E-08	2.6E-11	3.24E-11	6.73	7.56E-08	8.86	7.02E-11	0.00	
Uranium-234	4.80E+00	1.6E-11	2.6E-08	3.0E-11	7.68E-11	15.95	1.25E-07	14.63	1.44E-10	0.00	
Uranium-235	3.50E-01	1.6E-11	2.5E-08	2.4E-07	5.60E-12	1.16	8.75E-09	1.03	8.40E-08	0.55	
Uranium-238	5.10E+00	2.8E-11	5.2E-08	3.6E-08	1.43E-10	29.66	2.65E-07	31.08	1.84E-07	1.19	
Toxicity Score Totals					4.82E-10		8.53E-07		1.54E-05		
SEDIMENT											
<i>Radionuclides</i>											
Thorium-228	7.30E-01	5.5E-11	7.8E-08	5.6E-06	4.02E-11	19.08	5.69E-08	15.54	4.09E-06	95.83	
Thorium-232	1.60E+00	1.2E-11	2.8E-08	2.6E-11	1.92E-11	9.13	4.48E-08	12.23	4.16E-11	0.00	
Uranium-234	3.90E+00	1.6E-11	2.6E-08	3.0E-11	6.24E-11	29.66	1.01E-07	27.68	1.17E-10	0.00	
Uranium-235	2.90E-01	1.6E-11	2.5E-08	2.4E-07	4.64E-12	2.21	7.25E-09	1.98	6.96E-08	1.63	
Uranium-238	3.00E+00	2.8E-11	5.2E-08	3.6E-08	8.40E-11	39.93	1.56E-07	42.58	1.08E-07	2.53	
Toxicity Score Totals					2.10E-10		3.66E-07		4.27E-06		
SOIL (below ash)											
<i>Radionuclide</i>											
Thorium-232	9.00E-01	1.2E-11	2.8E-08	2.6E-11	1.08E-11	100.00	2.52E-08	100.00	2.34E-11	100.00	

Table J.6b (continued)

Analyte	Maximum Detected Conc. ^a	Ingestion SF (1/pCi)	Ingestion SF (1/pCi)	External Exposure SF (g/pCi-y)	Ingestion Toxicity Score	% of Total Ingestion Score	Inhalation Toxicity Score	% of Total Inhalation Score	External Exposure Toxicity Score	% of Total External Exposure Score	Final Decision ^b
Toxicity Score Totals					1.08E-11		2.52E-08		2.34E-11		
SURFACE WATER											
<i>Radionuclides</i>											
Thorium-228	2.20E-01	5.5E-11	7.8E-08	5.6E-06	1.21E-11	26.04	1.72E-08	19.18	1.23E-06	99.67	
Thorium-230	2.00E+00	1.3E-11	2.9E-08	5.4E-11	2.60E-11	55.96	5.80E-08	64.83	1.08E-10	0.01	
Uranium-234	3.30E-01	1.6E-11	2.6E-08	3.0E-11	5.28E-12	11.36	8.58E-09	9.59	9.90E-12	0.00	
Uranium-238	1.10E-01	2.8E-11	5.2E-08	3.6E-08	3.08E-12	6.63	5.72E-09	6.39	3.96E-09	0.32	
Toxicity Score Totals					4.65E-11		8.95E-08		1.24E-06		

^a Maximum detected concentrations are in pCi/g for ash, sediment, and soil; surface water concentrations are in pCi/L.

^b A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1% of the total score (for all existing pathways) (EPA 1989a).

**Table J.6c. Chestnut Ridge OU2 toxicity screening for detected radionuclides in the UMB
(carcinogenic; ingestion, inhalation, and external exposure)**

Analyte	Maximum Detected Conc. ^a	Ingestion SF (1/pCi)	Inhalation SF (1/pCi)	External Exposure SF (g/pCi-y)	Ingestion Toxicity Score	% of Total Ingestion Score	Inhalation Toxicity Score	% of Total Inhalation Score	External Exposure Toxicity Score	% of Total External Exposure Score	Final Decision ^b
ASH											
<i>Radionuclides</i>											
Cesium-137	1.52E-01	2.8E-11	1.9E-11	2.0E-06	4.26E-12	0.65	2.89E-12	0.00	3.04E-07	0.58	DROP
Thorium-228	9.20E+00	5.5E-11	7.8E-08	5.6E-06	5.06E-10	76.92	7.18E-07	75.93	5.15E-05	99.07	
Thorium-234	6.30E+00	4.0E-12	3.2E-11	3.5E-09	2.52E-11	3.83	2.02E-10	0.02	2.21E-08	0.04	
Uranium-238	4.37E+00	2.8E-11	5.2E-08	3.6E-08	1.22E-10	18.61	2.27E-07	24.05	1.57E-07	0.30	
Toxicity Score Totals					6.58E-10		9.45E-07		5.20E-05		
SEDIMENT											
<i>Radionuclides</i>											
Thorium-228	4.30E+00	5.5E-11	7.8E-08	5.6E-06	2.37E-10	61.24	3.35E-07	53.74	2.41E-05	99.46	
Thorium-230	2.70E+00	1.3E-11	2.9E-08	5.4E-11	3.51E-11	9.09	7.83E-08	12.55	1.46E-10	0.00	
Thorium-232	1.20E+00	1.2E-11	2.8E-08	2.6E-11	1.44E-11	3.73	3.36E-08	5.38	3.12E-11	0.00	
Uranium-234	2.20E+00	1.6E-11	2.6E-08	3.0E-11	3.52E-11	9.12	5.72E-08	9.16	6.60E-11	0.00	
Uranium-235	2.10E-01	1.6E-11	2.5E-08	2.4E-07	3.36E-12	0.87	5.25E-09	0.84	5.04E-08	0.21	DROP
Uranium-238	2.20E+00	2.8E-11	5.2E-08	3.6E-08	6.16E-11	15.95	1.14E-07	18.33	7.92E-08	0.33	
Toxicity Score Totals					3.86E-10		6.24E-07		2.42E-05		
SOIL (below ash)											
<i>Radionuclide</i>											
Thorium-234	5.15E+00	4.0E-12	3.2E-11	3.5E-09	2.06E-11	100.00	1.65E-10	100.00	1.80E-08	100.00	
Toxicity Score Totals					2.06E-11		1.65E-10		1.80E-08		

Table J.6c (continued)

Analyte	Maximum Detected Conc. ^a	Ingestion SF (1/pCi)	Inhalation SF (1/pCi)	External Exposure SF (g/pCi-y)	Ingestion Toxicity Score	% of Total Ingestion Score	Inhalation Toxicity Score	% of Total Inhalation Score	External Exposure Toxicity Score	% of Total External Exposure Score	Final Decision ^b
SURFACE WATER											
<i>Radionuclides</i>											
Radium-226	5.67E-01	1.2E-10	3.0E-09	6.0E-06	6.80E-11	71.04	1.70E-09	3.19	3.40E-06	93.37	
Thorium-228	4.10E-02	5.5E-11	7.8E-08	5.6E-06	2.26E-12	2.35	3.20E-09	5.99	2.30E-07	6.30	
Thorium-230	6.20E-01	1.3E-11	2.9E-08	5.4E-11	8.06E-12	8.42	1.80E-08	33.69	3.35E-11	0.00	
Uranium-234	5.00E-01	1.6E-11	2.6E-08	3.0E-11	8.00E-12	8.35	1.30E-08	24.36	1.50E-11	0.00	
Uranium-238	3.36E-01	2.8E-11	5.2E-08	3.6E-08	9.42E-12	9.83	1.75E-08	32.77	1.21E-08	0.33	
Toxicity Score Totals					9.58E-11		5.34E-08		3.64E-06		

^a Maximum detected concentrations are in pCi/g for ash, sediment, and soil; surface water concentrations are in pCi/L.

^b A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1 % of the total score (for all existing pathways) (EPA 1989a).

**Table J.6d. Chestnut Ridge OU2 toxicity screening for detected radionuclides in the groundwater
(carcinogenic; ingestion, inhalation, and external exposure)**

Analyte	Maximum Detected Conc. ^a	Ingestion SF (1/pCi)	Inhalation SF (1/pCi)	External Exposure SF (g/pCi-y)	Ingestion Toxicity Score	% of Total Ingestion Score	Inhalation Toxicity Score	% of Total Inhalation Score	External Exposure Toxicity Score	% of Total External Exposure Score	Final Decision ^b
GROUNDWATER											
<i>Radionuclides</i>											
Radium-226	1.27E+00	1.2E-10	3.0E-09	6.0E-06	1.52E-10	73.25	3.81E-09	3.94	7.61E-06	80.63	
Thorium-228	3.20E-01	5.5E-11	7.8E-08	5.6E-06	1.76E-11	8.47	2.50E-08	25.80	1.79E-06	18.98	
Thorium-232	2.20E-01	1.2E-11	2.8E-08	2.6E-11	2.64E-12	1.27	6.16E-09	6.37	5.72E-12	0.00	
Uranium-234	9.80E-01	1.6E-11	2.6E-08	3.0E-11	1.57E-11	7.54	2.55E-08	26.34	2.94E-11	0.00	
Uranium-235	5.40E-02	1.6E-11	2.5E-08	2.4E-07	8.64E-13	0.42	1.35E-09	1.40	1.30E-08	0.14	
Uranium-238	6.73E-01	2.8E-11	5.2E-08	3.6E-08	1.88E-11	9.06	3.50E-08	36.16	2.42E-08	0.26	
Toxicity Score Totals					2.08E-10		9.67E-08		9.44E-06		

^a Maximum detected concentrations are in pCi/L for surface water.

^b A decision to eliminate (designated as DROP in this table) analytes based on toxicity screening can be made when all existing pathway scores are less than 1% of the total score (for all existing pathways) (EPA 1989a).

Table J.7a. Comparison of Sluice Channel data with PRGs^a
(for analytes dropped because of toxicity screening)

Analyte	Frequency of Detect	Maximum Detected Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
ASH							
<i>Inorganics (mg/kg)</i>							
Mercury	3/3	6.10E-01	8.2E+01			NO	
Nickel	3/3	3.99E+01	5.5E+03			NO	
Selenium	3/3	4.70E+00	1.4E+03			NO	
Zinc	3/3	4.00E+01	8.2E+04			NO	
<i>Radionuclide (pCi/g)</i>							
Uranium-235	3/3	1.70E-01		1.7E+01	1.7E-01		NO
SOIL (below ash)							
<i>Inorganic (mg/kg)</i>							
Selenium	2/2	1.10E+00	1.4E+03			NO	
<i>Organic (mg/kg)</i>							
Butylbenzyl-phthalate	2/3	5.30E-02	5.5E+04			NO	

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

Table J.7b. Comparison of FCAP data with PRGs^a
(for analytes dropped because of toxicity screening)

Analyte	Frequency of Detect	Maximum Detected Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
ASH							
Inorganics (mg/kg)							
Mercury	14/15	1.30E+00	8.2E+01			NO	
Nickel	14/15	5.60E+01	5.5E+03			NO	
Selenium	15/15	3.08E+01	1.4E+03			NO	
Zinc	15/15	8.31E+01	8.2E+04			NO	
Organics (mg/kg)							
Butylbenzyl-phthalate	4/14	1.10E-01	5.5E+04			NO	
Chloroform	1/3	2.00E-03	2.7E+03	1.0E+04	1.0E+02	NO	NO
alpha-BHC	1/3	3.00E-04		1.0E+01	1.0E-01	NO	NO
bis(2-Ethylhexyl)-phthalate	2/15	2.70E-01	5.5E+03	4.6E+03	4.6E+01	NO	NO
SEDIMENT							
Inorganics (mg/kg)							
Nickel	1/2	1.63E+01	5.5E+03			NO	
Selenium	1/2	1.00E+00	1.4E+03			NO	
Organics (mg/kg)							
4-Methylphenol	1/2	1.10E+00	1.4E+03			NO	

Table J.7b (continued)

Analyte	Frequency of Detect	Maximum Detected Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI =1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
Butylbenzyl-phthalate	1/2	1.70E-01	5.5E+04			NO	
Di-n-Butyl-phthalate	1/2	1.60E-01	2.7E+04			NO	
SOIL (below ash)							
<i>Inorganics (mg/kg)</i>							
Nickel	3/3	2.75E+01	5.5E+03			NO	
Selenium	3/3	2.70E+00	1.4E+03			NO	
<i>Organics (mg/kg)</i>							
Butylbenzyl-phthalate	2/3	5.30E-02	5.5E+04			NO	
bis(2-Ethylhexyl)-Phthalate	1/3	4.90E-02	5.5E+03	4.6E+03	4.6E+01	NO	NO
SURFACE WATER							
<i>Inorganics (mg/L)</i>							
Vanadium	1/3	1.56E-02	2.6E-01			NO	
Zinc	2/3	1.06E-01	1.1E+01			NO	

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil or water pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

Table J.7c. Comparison of UMB data with PRGs^a
(for analytes dropped because of toxicity screening)

Analyte	Frequency of Detect	Maximum Detected Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
ASH							
<i>Inorganics (mg/kg)</i>							
Nickel	6/6	4.07E+01	5.5E+03			NO	
Selenium	6/6	9.10E+00	1.4E+03			NO	
Zinc	6/6	7.57E+01	8.2E+04			NO	
<i>Radionuclide (pCi/g)</i>							
Cesium-137	6/6	1.52E-01		2.1E+00	2.1E-02		YES
SEDIMENT							
<i>Inorganics (mg/kg)</i>							
Nickel	2/2	4.51E+01	5.5E+03			NO	
Selenium	1/2	2.40E+00	1.4E+03			NO	
Vanadium	2/2	4.87E+01	1.9E+03			NO	
Zinc	2/2	2.65E+02	8.2E+04			NO	
<i>Radionuclide (pCi/g)</i>							
Uranium-235	2/2	2.10E-01		1.7E+01	1.7E-01		YES
<i>Organic (mg/kg)</i>							
4-Methyl-phenol	1/2	2.10E-01	1.4E+03			NO	

Table J.7c (continued)

Analyte	Frequency of Detect	Maximum Detected Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
SOIL (below ash)							
<i>Inorganic (mg/kg)</i>							
Zinc	11/11	1.02E+02	8.2E+04			NO	
SURFACE WATER							
<i>Inorganics (mg/L)</i>							
Mercury	1/3	2.40E-04	1.1E-02			NO	
Nitrate	2/8	1.00E+00	5.8E+01			NO	
Zinc	11/11	3.35E-02	1.1E+01			NO	
<i>Organic (mg/L)</i>							
Di-n-Octyl-phthalate	1/7	2.70E-02	7.3E-01			NO	

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil or water pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

Table J.7d. Comparison of Chestnut Ridge OU2 groundwater data with PRGs^a
(for analytes dropped because of toxicity screening)

Analyte	Frequency of Detect	Maximum Detected Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
GROUNDWATER							
<i>Inorganics (mg/L)</i>							
Boron	3/3	2.40E-01	3.3E+00			NO	
Mercury	2/15	3.30E-04	1.1E-02			NO	
Nickel	5/16	4.11E-02	7.3E-01			NO	
Nitrate	4/5	7.00E+00	5.8E+01			NO	
Selenium	1/15	5.80E-03	1.8E-01			NO	
Strontium	3/3	2.30E-02	2.2E+01			NO	
<i>Organics (mg/L)</i>							
Di-n-Butylphthalate	2/8	3.00E-03	3.7E+00			NO	
Diethylphthalate	1/8	2.00E-03	2.9E+01			NO	
Phenol	2/8	5.00E-03	2.2E+01			NO	

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of water pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

Table J.8a. Chestnut Ridge OU2 Sluice Channel analytes eliminated from COPC list

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
ASH			
<i>Inorganics (mg/kg)</i>			
Calcium	3/3	4.92E+03	E
Copper	3/3	7.01E+01	E
Iron	3/3	1.83E+05	E
Magnesium	3/3	1.01E+03	E
Mercury	3/3	6.10E-01	T
Nickel	3/3	3.99E+01	T
Potassium	2/3	1.92E+03	E
Selenium	3/3	4.70E+00	T
Sodium	3/3	3.42E+02	E
Zinc	3/3	4.00E+01	T
<i>Radionuclide (pCi/g)</i>			
Uranium-235	3/3	1.70E-01	T
SOIL (below ash)			
<i>Inorganics (mg/kg)</i>			
Aluminum	3/3	1.14E+04	B
Barium	3/3	1.25E+02	B
Calcium	3/3	8.94E+02	B,E
Chromium VI	3/3	1.66E+01	B
Cobalt	3/3	1.32E+01	B
Copper	2/3	6.40E+00	B,E
Iron	3/3	1.64E+04	E
Lead	3/3	2.54E+01	B
Magnesium	3/3	3.79E+02	B,E
Manganese	3/3	1.92E+03	B
Mercury	1/3	1.40E-01	B
Nickel	2/3	8.10E+00	B
Selenium	2/2	1.10E+00	T
Sodium	2/3	3.72E+01	B,E

Table J.8a (continued)

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
Vanadium	3/3	3.24E+01	B
Zinc	3/3	2.10E+01	B
<i>Radionuclides (pCi/g)</i>			
Thorium-232	3/3	9.20E-01	B
Uranium-234	3/3	1.20E+00	B
Uranium-235	1/3	9.00E-02	B
Uranium-238	3/3	1.20E+00	B
<i>Organics (mg/kg)</i>			
Acenaphthene	0/3	4.00E-01	B
Acenaphthylene	0/3	4.00E-01	B
Anthracene	0/3	4.00E-01	B
Benzo(a)Anthracene	0/3	4.00E-01	B
Benzo(a)Pyrene	0/3	4.00E-01	B
Benzo(b)Fluoranthene	0/3	4.00E-01	B
Benzo(g,h,i)Perylene	0/3	4.00E-01	B
Benzo(k)Fluoranthene	0/3	4.00E-01	B
Butylbenzylphthalate	2/3	5.30E-02	T
Chrysene	0/3	4.00E-01	B
Dibenz(a,h)Anthracene	0/3	4.00E-01	B
Fluoranthene	0/3	4.00E-01	B
Fluorene	0/3	4.00E-01	B
Naphthalene	0/3	4.00E-01	B
Phenanthrene	0/3	4.00E-01	B
Pyrene	0/3	4.00E-01	B

^a The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean concentration (EPA 1989a).

^b B = Based on the comparison of Chestnut Ridge OU2 data with data from the Background Soil Characterization Project (Energy Systems 1993c).

E = Essential nutrient (EPA 1989a; Dunne 1990).

R = Based on the comparison of Chestnut Ridge OU2 data with data from reference samples (taken specifically for the Chestnut Ridge OU2 project).

T = Based on toxicity screening (EPA 1989a).

Table J.8b. Chestnut Ridge OU2 FCAP analytes eliminated from COPC list

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
ASH			
<i>Inorganics (mg/kg)</i>			
Calcium	15/15	5.60E+03	E
Copper	15/15	6.91E+01	E
Iron	15/15	3.77E+04	E
Magnesium	15/15	1.75E+03	E
Mercury	14/15	7.05E-01	T
Nickel	14/15	3.60E+01	T
Potassium	15/15	4.50E+03	E
Selenium	15/15	1.48E+01	T
Sodium	15/15	7.41E+02	E
Zinc	15/15	5.39E+01	T
<i>Organics (mg/kg)</i>			
Butylbenzylphthalate	4/14	1.10E-01	T
Chloroform	1/3	2.00E-03	T
alpha-BHC	1/3	3.00E-04	T
bis(2-Ethylhexyl)Phthalate	2/15	2.70E-01	T
SEDIMENT			
<i>Inorganics (mg/kg)</i>			
Barium	2/2	9.81E+01	R
Calcium	2/2	3.71E+03	E,R
Cobalt	2/2	1.11E+01	R
Copper	1/2	1.21E+01	E
Iron	2/2	3.01E+04	E
Magnesium	2/2	1.23E+03	E,R
Manganese	2/2	9.76E+02	R
Nickel	1/2	1.63E+01	T
Potassium	1/2	7.48E+02	E
Selenium	1/2	1.00E+00	T
Sodium	2/2	5.41E+02	E

Table J.8b (continued)

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
Zinc	2/2	5.82E+01	R
<i>Organics (mg/kg)</i>			
4-Methylphenol	1/2	1.10E+00	T
Butylbenzylphthalate	1/2	1.70E-01	T
Di-n-Butylphthalate	1/2	1.60E-01	T
SOIL (below ash)			
<i>Organics (mg/kg)</i>			
Acenaphthene	0/3	4.80E-01	B
Anthracene	0/3	4.80E-01	B
Benzo(a)Anthracene	0/3	4.80E-01	B
Benzo(a)Pyrene	0/3	4.80E-01	B
Benzo(b)Fluoranthene	0/3	4.80E-01	B
Benzo(g,h,i)Perylene	0/3	4.80E-01	B
Benzo(k)Fluoranthene	0/3	4.80E-01	B
Dibenz(a,h)Anthracene	0/3	4.80E-01	B
Fluoranthene	0/3	4.80E-01	B
Fluorene	0/3	4.80E-01	B
Indeno(1,2,3-cd)Pyrene	0/3	4.80E-01	B
Naphthalene	0/3	4.80E-01	B
Phenanthrene	0/3	4.80E-01	B
Pyrene	0/3	4.80E-01	B
SURFACE WATER			
<i>Inorganics (mg/L)</i>			
Calcium	3/3	2.70E+01	E
Copper	1/3	7.30E-03	E
Iron	3/3	6.11E+00	E
Magnesium	3/3	1.53E+01	E
Potassium	1/3	6.67E+00	E
Sodium	2/3	1.19E+00	E

Table J.8b (continued)

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
Vanadium	1/3	1.56E-02	T
Zinc	2/3	1.06E-01	T

^a The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean concentration (EPA 1989a).

^b B = Based on the comparison of Chestnut Ridge OU2 data with data from the Background Soil Characterization Project (Energy Systems 1993c).

E = Essential nutrient (EPA 1989a; Dunne 1990).

R = Based on the comparison of Chestnut Ridge OU2 data with data from reference samples (taken specifically for the Chestnut Ridge OU2 project).

T = Based on toxicity screening (EPA 1989a).

Table J.8c. Chestnut Ridge OU2 UMB analytes eliminated from COPC list

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
ASH			
<i>Inorganics (mg/kg)</i>			
Calcium	6/6	5.52E+03	E
Copper	6/6	5.85E+01	E
Iron	6/6	5.19E+04	E
Magnesium	6/6	1.62E+03	E
Nickel	6/6	3.50E+01	T
Phosphorus	6/6	1.51E+03	E
Potassium	6/6	3.72E+03	E
Selenium	6/6	6.13E+00	T
Sodium	6/6	3.61E+02	E
Zinc	6/6	7.05E+01	T
SEDIMENT			
<i>Inorganics (mg/kg)</i>			
Calcium	2/2	3.04E+04	E
Copper	2/2	2.31E+01	E
Iron	2/2	6.33E+04	E
Magnesium	2/2	1.80E+04	E
Nickel	2/2	4.51E+01	T
Potassium	2/2	2.60E+03	E
Selenium	1/2	2.40E+00	T
Sodium	2/2	5.20E+02	E
Vanadium	2/2	4.87E+01	T
Zinc	2/2	2.65E+02	T
<i>Organic (mg/kg)</i>			
4-Methylphenol	1/2	2.10E-01	T
SOIL (below ash)			
<i>Inorganics (mg/kg)</i>			
Aluminum	11/11	1.20E+04	B

Table J.8c (continued)

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
Calcium	11/11	9.74E+04	E
Chromium VI	10/11	2.20E+01	B
Copper	10/11	2.84E+01	E
Iron	11/11	1.08E+05	E
Lead	11/11	1.91E+01	B
Magnesium	11/11	4.79E+03	E
Manganese	11/11	1.33E+03	B
Mercury	11/11	8.14E-02	B
Phosphorus	8/11	2.72E+02	E
Potassium	10/11	1.86E+03	E
Selenium	5/11	9.52E-01	B
Sodium	11/11	2.55E+02	B,E
Vanadium	11/11	4.52E+01	B
Zinc	11/11	8.13E+01	T
<i>Radionuclides (pCi/g)</i>			
Cesium-137	10/11	1.36E-01	B
Uranium-238	11/11	1.43E+00	B
SURFACE WATER			
<i>Inorganics (mg/L)</i>			
Calcium	11/11	4.86E+01	E
Copper	2/11	5.26E-03	E
Iron	7/11	1.08E+00	E
Magnesium	11/11	1.56E+01	E
Mercury	1/3	2.40E-04	T
Nitrate	2/8	1.00E+00	T
Potassium	10/11	3.94E+00	E
Sodium	11/11	2.51E+00	E
Zinc	11/11	1.73E-02	T

Table J.8c (continued)

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
<i>Radionuclide (pCi/L)</i>			
Thorium-232	1/3	7.70E-02	R
<i>Organic (mg/L)</i>			
Di-n-Octylphthalate	1/7	1.71E-02	T

^a The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean concentration (EPA 1989a).

^b B = Based on the comparison of Chestnut Ridge OU2 data with data from the Background Soil Characterization Project (Energy Systems 1993c).

E = Essential nutrient (EPA 1989a; Dunne 1990).

R = Based on the comparison of Chestnut Ridge OU2 data with data from reference samples (taken specifically for the Chestnut Ridge OU2 project).

T = Based on toxicity screening (EPA 1989a).

Table J.8d. Chestnut Ridge OU2 groundwater analytes eliminated from COPC list

Analyte	Frequency of Detect	Representative Concentration ^a	Reason Analyte is not on COPC list ^b
GROUNDWATER			
<i>Inorganics (mg/L)</i>			
Boron	3/3	2.40E-01	T
Calcium	16/16	7.38E+01	E
Copper	7/16	2.41E-02	E
Iron	12/16	9.35E+00	E
Magnesium	16/16	2.39E+01	E
Mercury	2/15	2.29E-04	T
Nickel	5/16	2.20E-02	T
Nitrate	4/5	5.09E+00	T
Phosphorus	1/5	4.07E-01	E
Potassium	12/16	1.40E+01	E
Selenium	1/15	5.80E-03	T
Silicon	3/3	6.50E+00	E
Sodium	16/16	5.26E+00	E
Strontium	3/3	2.30E-02	T
<i>Organics (mg/L)</i>			
Di-n-Butylphthalate	2/8	3.00E-03	T
Diethylphthalate	1/8	2.00E-03	T
Phenol	2/8	5.00E-03	T

^a The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean concentration (EPA 1989a).

^b B = Based on the comparison of Chestnut Ridge OU2 data with data from the Background Soil Characterization Project (Energy Systems 1993c).

E = Essential nutrient (EPA 1989a; Dunne 1990).

R = Based on the comparison of Chestnut Ridge OU2 data with data from reference samples (taken specifically for the Chestnut Ridge OU2 project).

T = Based on toxicity screening (EPA 1989a).

Table J.9a. Comparison of Chestnut Ridge OU2 Sluice Channel nondetected analytes with residential PRGs^a

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
ASH							
<i>Organics (mg/kg)</i>							
Benzo(a)Pyrene	0/3	5.50E-01		8.8E+00	8.8E-02		YES
Dibenz(a,h)Anthracene	0/3	5.50E-01		8.8E+00	8.8E-02		YES
Hexachlorobenzene	0/3	5.50E-01	2.2E+02	4.0E+01	4.0E-01	NO	YES
N-Nitroso-Di-n-Propylamine	0/3	5.50E-01		9.1E+00	9.1E-02		YES
SOIL (below ash)							
<i>Organic (mg/kg)</i>							
N-Nitroso-Di-n-Propylamine	0/3	4.00E-01		9.1E+00	9.1E-02		YES

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

^b Only analytes whose maximum concentration is greater than the PRG (based on HI = 1.0 and/or Risk = 1.0E-06) are reported in this table.

Table J.9b. Comparison of Chestnut Ridge OU2 FCAP nondetected analytes with residential PRGs^a

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
ASH							
<i>Organics (mg/kg)</i>							
Aroclor-1221	0/3	1.50E-01		8.3E+00	8.3E-02		YES
Benzo(a)Pyrene	0/14	8.60E-01		8.8E+00	8.8E-02		YES
Dibenz(a,h)Anthracene	0/14	8.60E-01		8.8E+00	8.8E-02		YES
Hexachlorobenzene	0/14	8.60E-01	2.2E+02	4.0E+01	4.0E-01	NO	YES
N-Nitroso-Di-n-Propylamine	0/14	8.60E-01		9.1E+00	9.1E-02		YES
bis(2-Chloroethyl)Ether	0/14	8.60E-01		5.8E+01	5.8E-01		YES
SEDIMENT							
<i>Organics (mg/kg)</i>							
2,4-Dinitrotoluene	0/2	1.30E+00	5.5E+02	9.4E+01	9.4E-01	NO	YES
2,6-Dinitrotoluene	0/2	1.30E+00	2.7E+02	9.4E+01	9.4E-01	NO	YES
Benzo(a)Anthracene	0/2	1.30E+00		8.8E+01	8.8E-01		YES
Benzo(a)Pyrene	0/2	1.30E+00		8.8E+00	8.8E-02		YES
Benzo(b)Fluoranthene	0/2	1.30E+00		8.8E+01	8.8E-01		YES
Dibenz(a,h)Anthracene	0/2	1.30E+00		8.8E+00	8.8E-02		YES
Hexachlorobenzene	0/2	1.30E+00	2.2E+02	4.0E+01	4.0E-01	NO	YES
Indeno(1,2,3-cd)Pyrene	0/2	1.30E+00		8.8E+01	8.8E-01		YES

Table J.9b (continued)

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration on	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0	Is Maximum Conc. > PRG at Risk = 1.0E-06 ? 1.0E-06 ?
N-Nitroso-Di-n-Propylamine	0/2	1.30E+00		9.1E+00	9.1E-02		YES
bis(2-Chloroethyl)Ether	0/2	1.30E+00		5.8E+01	5.8E-01		YES
SOIL(below ash)							
<i>Organics (mg/kg)</i>							
Hexachlorobenzene	0/3	4.80E-01	2.2E+02	4.0E+01	4.0E-01	NO	YES
N-Nitroso-Di-n-Propylamine	0/3	4.80E-01		9.1E+00	9.1E-02		YES
SURFACE WATER							
<i>Inorganics (mg/L)</i>							
Antimony	0/3	3.60E-02	1.5E-02			YES	
Beryllium	0/3	1.00E-03	1.8E-01	2.0E-03	2.0E-05	NO	YES
<i>Organics (mg/L)</i>							
1,1,2-Trichloroethane	0/1	1.00E-02	1.5E-01	1.5E-01	1.5E-03	NO	YES
1,1-Dichloroethene	0/1	1.00E-02	3.3E-01	1.4E-02	1.4E-04	NO	YES
1,2-Dichloroethane	0/1	1.00E-02		9.4E-02	9.4E-04		YES
1,2-Dichloropropane	0/1	1.00E-02		1.3E-01	1.3E-03		YES
1,4-Dichlorobenzene	0/3	1.00E-02		3.5E-01	3.5E-03		YES

Table J.9b (continued)

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration on	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0	Is Maximum Conc. > PRG at Risk = 1.0E-06 ? 1.0E-06 ?
2,4,6-Trichlorophenol	0/3	1.00E-02		7.7E-01	7.7E-03		YES
2,4-Dinitrotoluene	0/3	1.00E-02	7.3E-02	1.3E-02	1.3E-04	NO	YES
2,6-Dinitrotoluene	0/3	1.00E-02	3.7E-02	1.3E-02	1.3E-04	NO	YES
3,3'-Dichlorobenzidine	0/3	1.00E-02		1.9E-02	1.9E-04		YES
Benzene	0/1	1.00E-02		2.9E-01	2.9E-03		YES
Benzo(a)Anthracene	0/3	1.00E-02		1.2E-02	1.2E-04		YES
Benzo(a)Pyrene	0/3	1.00E-02		1.2E-03	1.2E-05		YES
Benzo(b)Fluoranthene	0/3	1.00E-02		1.2E-02	1.2E-04		YES
Benzo(k)Fluoranthene	0/3	1.00E-02		1.2E-01	1.2E-03		YES
Bromodichloromethane	0/1	1.00E-02	7.3E-01	1.4E-01	1.4E-03	NO	YES
Carbazole	0/3	1.00E-02		4.3E-01	4.3E-03		YES
Carbon Tetrachloride	0/1	1.00E-02	2.6E-02	6.6E-02	6.6E-04	NO	YES
Chloromethane	0/1	1.00E-02		6.6E-01	6.6E-03		YES
Dibenz(a,h)Anthracene	0/3	1.00E-02		1.2E-03	1.2E-05		YES
Dibromochloromethane	0/1	1.00E-02	7.3E-01	1.0E-01	1.0E-03	NO	YES
Hexachlorobenzene	0/3	1.00E-02	2.9E-02	5.3E-03	5.3E-05	NO	YES
Hexachlorobutadiene	0/3	1.00E-02	7.3E-03	1.1E-01	1.1E-03	YES	YES
Hexachloroethane	0/3	1.00E-02	3.7E-02	6.1E-01	6.1E-03	NO	YES

Table J.9b (continued)

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration on	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0	Is Maximum Conc. > PRG at Risk = 1.0E-06 ? 1.0E-06 ?
Indeno(1,2,3-cd)Pyrene	0/3	1.00E-02		1.2E-02	1.2E-04		YES
Methylene Chloride	0/1	1.80E-02	2.2E+00	1.1E+00	1.1E-02	NO	YES
N-Nitroso-Di-n-Propylamine	0/3	1.00E-02		1.2E-03	1.2E-05		YES
Pentachlorophenol	0/3	2.50E-02	1.1E+00	7.1E-02	7.1E-04	NO	YES
Trichloroethene	0/1	1.00E-02		7.7E-01	7.7E-03		YES
Vinyl Chloride	0/1	1.00E-02		4.5E-03	4.5E-05		YES
bis(2-Chloroethyl)Ether	0/3	1.00E-02		7.7E-03	7.7E-05		YES
bis(2-Ethylhexyl)Phthalate	0/3	1.00E-02	7.3E-01	6.1E-01	6.1E-03	NO	YES

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil or water pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

^b Only analytes whose maximum concentration is greater than the PRG (based on HI = 1.0 and/or Risk = 1.0E-06) are reported in this table.

Table J.9c. Comparison of Chestnut Ridge OU2 UMB nondetected analytes with residential PRGs^a

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
SEDIMENT							
<i>Organics (mg/kg)</i>							
Benzo(a)Anthracene	0/2	8.90E-01		8.8E+01	8.8E-01		YES
Benzo(a)Pyrene	0/2	8.90E-01		8.8E+00	8.8E-02		YES
Benzo(b)Fluoranthene	0/2	8.90E-01		8.8E+01	8.8E-01		YES
Dibenz(a,h)Anthracene	0/2	8.90E-01		8.8E+00	8.8E-02		YES
Hexachlorobenzene	0/2	8.90E-01	2.2E+02	4.0E+01	4.0E-01	NO	YES
Indeno(1,2,3-cd)Pyrene	0/2	8.90E-01		8.8E+01	8.8E-01		YES
N-Nitroso-Di-n-Propylamine	0/2	8.90E-01		9.1E+00	9.1E-02		YES
bis(2-Chloroethyl)Ether	0/2	8.90E-01		5.8E+01	5.8E-01		YES
SURFACE WATER							
<i>Inorganics (mg/L)</i>							
Antimony	0/3	3.60E-02	1.5E-02			YES	
Beryllium	0/3	1.00E-03	1.8E-01	2.0E-03	2.0E-05	NO	YES
<i>Organics (mg/L)</i>							
1,1,2-Trichloroethane	0/2	1.00E-02	1.5E-01	1.5E-01	1.5E-03	NO	YES
1,1-Dichloroethene	0/2	1.00E-02	3.3E-01	1.4E-02	1.4E-04	NO	YES
1,2-Dichloroethane	0/2	1.00E-02		9.4E-02	9.4E-04		YES

Table J.9c (continued)

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
1,2-Dichloropropane	0/2	1.00E-02		1.3E-01	1.3E-03		YES
1,4-Dichlorobenzene	0/3	1.00E-02		3.5E-01	3.5E-03		YES
2,4,6-Trichlorophenol	0/3	1.00E-02		7.7E-01	7.7E-03		YES
2,4-Dinitrotoluene	0/3	1.00E-02	7.3E-02	1.3E-02	1.3E-04	NO	YES
2,6-Dinitrotoluene	0/3	1.00E-02	3.7E-02	1.3E-02	1.3E-04	NO	YES
3,3'-Dichlorobenzidine	0/3	1.00E-02		1.9E-02	1.9E-04		YES
Benzene	0/2	1.00E-02		2.9E-01	2.9E-03		YES
Benzo(a)Anthracene	0/3	1.00E-02		1.2E-02	1.2E-04		YES
Benzo(a)Pyrene	0/3	1.00E-02		1.2E-03	1.2E-05		YES
Benzo(b)Fluoranthene	0/3	1.00E-02		1.2E-02	1.2E-04		YES
Benzo(k)Fluoranthene	0/3	1.00E-02		1.2E-01	1.2E-03		YES
Bromodichloromethane	0/2	1.00E-02	7.3E-01	1.4E-01	1.4E-03	NO	YES
Carbazole	0/3	1.00E-02		4.3E-01	4.3E-03		YES
Carbon Tetrachloride	0/2	1.00E-02	2.6E-02	6.6E-02	6.6E-04	NO	YES
Chloromethane	0/2	1.00E-02		6.6E-01	6.6E-03		YES
Dibenz(a,h)Anthracene	0/3	1.00E-02		1.2E-03	1.2E-05		YES
Dibromochloromethane	0/2	1.00E-02	7.3E-01	1.0E-01	1.0E-03	NO	YES
Hexachlorobenzene	0/3	1.00E-02	2.9E-02	5.3E-03	5.3E-05	NO	YES
Hexachlorobutadiene	0/3	1.00E-02	7.3E-03	1.1E-01	1.1E-03	YES	YES

Table J.9c (continued)

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
Hexachloroethane	0/3	1.00E-02	3.7E-02	6.1E-01	6.1E-03	NO	YES
Indeno(1,2,3-cd)Pyrene	0/3	1.00E-02		1.2E-02	1.2E-04		YES
N-Nitroso-Di-n-Propylamine	0/3	1.00E-02		1.2E-03	1.2E-05		YES
Pentachlorophenol	0/3	2.50E-02	1.1E+00	7.1E-02	7.1E-04	NO	YES
Trichloroethene	0/2	1.00E-02		7.7E-01	7.7E-03		YES
Vinyl Chloride	0/2	1.00E-02		4.5E-03	4.5E-05		YES
bis(2-Chloroethyl)Ether	0/3	1.00E-02		7.7E-03	7.7E-05		YES

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil or water pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

^b Only analytes whose maximum concentration is greater than the PRG (based on HI = 1.0 and/or Risk = 1.0E-06) are reported in this table.

Table J.9d. Comparison of Chestnut Ridge OU2 groundwater nondetected analytes with residential PRGs^a

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
GROUNDWATER							
<i>Inorganic (mg/L)</i>							
Antimony	0/8	3.60E-02	1.5E-02			YES	
<i>Organics (mg/L)</i>							
1,1,2,2-Tetrachloroethane	0/2	1.00E-02		4.3E-02	4.3E-04		YES
1,1,2-Trichloroethane	0/8	1.00E-02	1.5E-01	1.5E-01	1.5E-03	NO	YES
1,1-Dichloroethene	0/8	1.00E-02	3.3E-01	1.4E-02	1.4E-04	NO	YES
1,2-Dichloroethane	0/8	1.00E-02		9.4E-02	9.4E-04		YES
1,2-Dichloropropane	0/8	1.00E-02		1.3E-01	1.3E-03		YES
1,4-Dichlorobenzene	0/8	2.00E-02		3.5E-01	3.5E-03		YES
2,4,6-Trichlorophenol	0/8	2.00E-02		7.7E-01	7.7E-03		YES
2,4-Dinitrotoluene	0/8	2.00E-02	7.3E-02	1.3E-02	1.3E-04	NO	YES
2,6-Dinitrotoluene	0/8	2.00E-02	3.7E-02	1.3E-02	1.3E-04	NO	YES
3,3'-Dichlorobenzidine	0/8	2.00E-02		1.9E-02	1.9E-04		YES
Benzene	0/8	1.00E-02		2.9E-01	2.9E-03		YES
Benzo(a)Anthracene	0/8	2.00E-02		1.2E-02	1.2E-04		YES
Benzo(a)Pyrene	0/8	2.00E-02		1.2E-03	1.2E-05		YES
Benzo(b)Fluoranthene	0/8	2.00E-02		1.2E-02	1.2E-04		YES
Benzo(g,h,i)Perylene	0/8	2.00E-02		1.2E-03	1.2E-05		YES
Benzo(k)Fluoranthene	0/8	2.00E-02		1.2E-01	1.2E-03		YES
Bromodichloromethane	0/8	1.00E-02	7.3E-01	1.4E-01	1.4E-03	NO	YES

Table J.9d (continued)

Analyte ^b	Frequency of Detect	Maximum (nondetected) Concentration	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Maximum Conc. > PRG at HI = 1.0 ?	Is Maximum Conc. > PRG at Risk = 1.0E-06 ?
Carbazole	0/8	2.00E-02		4.3E-01	4.3E-03		YES
Carbon Tetrachloride	0/8	1.00E-02	2.6E-02	6.6E-02	6.6E-04	NO	YES
Chloromethane	0/8	1.00E-02		6.6E-01	6.6E-03		YES
Chrysene	0/8	2.00E-02		1.2E+00	1.2E-02		YES
Dibenz(a,h)Anthracene	0/8	2.00E-02		1.2E-03	1.2E-05		YES
Dibromochloromethane	0/8	1.00E-02	7.3E-01	1.0E-01	1.0E-03	NO	YES
Hexachlorobenzene	0/8	2.00E-02	2.9E-02	5.3E-03	5.3E-05	NO	YES
Hexachlorobutadiene	0/8	2.00E-02	7.3E-03	1.1E-01	1.1E-03	YES	YES
Hexachloroethane	0/8	2.00E-02	3.7E-02	6.1E-01	6.1E-03	NO	YES
Indeno(1,2,3-cd)Pyrene	0/8	2.00E-02		1.2E-02	1.2E-04		YES
Methylene Chloride	0/8	1.40E-02	2.2E+00	1.1E+00	1.1E-02	NO	YES
N-Nitroso-Di-n-Propylamine	0/8	2.00E-02		1.2E-03	1.2E-05		YES
N-Nitrosodiphenylamine	0/8	2.00E-02		1.7E+00	1.7E-02		YES
Nitrobenzene	0/8	2.00E-02	1.8E-02			YES	
Pentachlorophenol	0/8	5.00E-02	1.1E+00	7.1E-02	7.1E-04	NO	YES
Trichloroethene	0/8	1.00E-02		7.7E-01	7.7E-03		YES
Vinyl Chloride	0/8	1.00E-02		4.5E-03	4.5E-05		YES
bis(2-Chloroethyl)Ether	0/8	2.00E-02		7.7E-03	7.7E-05		YES

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of water pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

^b Only analytes whose maximum concentration is greater than the PRG (based on HI = 1.0 and/or Risk = 1.0E-06) are reported in this table.

**Table J.10. Comparison of FCAP soil data with residential PRGs^a
(for detected analytes in the deep soil below the ash pond)**

Analyte	Frequency of Detect	Representative Concentration ^b	Residential PRG for HI = 1.0	Residential PRG for Risk = 1.0E-04	Residential PRG for Risk = 1.0E-06	Is Analyte Conc. > PRG at HI = 1.0 ?	Is Analyte Conc. > PRG at Risk = 1.0E-06 ?
FCAP Soil (below ash)							
<i>Inorganics (mg/kg)</i>							
Aluminum	3/3	1.40E+04					
Arsenic	3/3	4.35E+01	8.2E+01			NO	
Beryllium	3/3	1.50E+00	1.4E+03	1.5E+01	1.5E-01	NO	YES
Calcium	3/3	2.23E+03					
Cobalt	3/3	5.22E+01					
Copper	3/3	1.81E+01					
Iron	3/3	1.80E+04					
Magnesium	3/3	9.37E+02					
Potassium	3/3	1.24E+03					
<i>Radionuclide (pCi/g)</i>							
Thorium-232	3/3	9.00E-01		6.4E+03	6.4E+01		NO

^a Preliminary Remediation Goals (PRGs), for the residential land use scenario (ingestion of soil pathway), calculated for a target risk of 1.0E-04 and 1.0E-06 for carcinogens and a target hazard index of 1.0 for noncarcinogens.

^b The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean concentration (EPA 1989a).

Table J.11a. Residential ingestion of ash, soil, or sediment scenario

Variable	Value used	Explanation/source
$\text{Chronic daily intake (mg/kg-d)} = [\text{CS} \times \text{FI} \times \text{EF}/\text{AT}] \times [(\text{ED}_c \times \text{IR}_c/\text{BW}_c) + (\text{ED}_a \times \text{IR}_a/\text{BW}_a)]$ $\text{Intake (pCi)} = \text{CS} \times \text{CF} \times \text{EF} \times [(\text{ED}_c \times \text{IR}_c) + (\text{ED}_a \times \text{IR}_a)]$		
CS = Concentration in ash, soil, or sediment	Chemical-specific (mg/kg; pCi/g)	Concentration is obtained from data in Table 5.1
IR _c = Ingestion rate	0.0002 kg/d	Child rate (Section 6, RAGS, EPA 1989a)
IR _a	0.0001 kg/d	Adult rate (Section 6, RAGS, EPA 1989a)
CF = Conversion factor	10 ³ g/kg	Necessary to convert to appropriate units
FI = Fraction ingested	1 (unitless)	Maximum value used; equivalent to 100%
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11b. Residential dermal contact with ash, soil or dry sediment scenario

Variable	Value used	Explanation/source
Chronic daily intake (mg/kg-d) =	$[CS \times CF \times AF \times ABS \times EF/AT] \times [(SA_c \times ED_c/BW_c) + (SA_a \times ED_a/BW_a)]$	
CS = Concentration in ash, soil, or sediment	Chemical-specific (mg/kg)	Concentration is obtained from data in Table 5.1
CF = Conversion factors	10^{-6} kg/mg and 10^4 cm ² /m ²	Necessary to convert to appropriate units
SA _c = Available surface area	0.182 m ² /d	50th Percentile surface area for head, hands, forearms, and lower legs; for a child and for an adult, respectively (Dermal Exposure Assessment, EPA 1992c)
SA _a	0.53 m ² /d	
AF = Adherence factor	1.0 mg/cm ²	Adherence factor for soil (EPA Region IV New Interim Guidance, EPA 1992d)
ABS = Absorption factor	0.001 (unitless) 0.01 (unitless)	Equivalent to 0.1% for inorganics and 1.0% for organics (EPA Region IV New Interim Guidance, 1992d)
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a, EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a, EPA 1991b)

Table J.11c. Residential dermal contact with ash or sediment (while wading) scenario

Variable	Value used	Explanation/source
Chronic daily intake (mg/kg-d) =	$[CS \times CF \times AF \times ABS \times EF/AT] \times [(SA_c \times ED_c/BW_c) + (SA_a \times ED_a/BW_a)]$	
CS = Concentration in ash or sediment	Chemical-specific (mg/kg)	Concentration is obtained from data in Table 5.1
CF = Conversion factors	10^{-6} kg/mg and 10^4 cm ² /m ²	Necessary to convert to appropriate units
SA _c = Available surface area	0.182 m ² /d	25% of 50th Percentile total body surface area for a child feet and lower legs for an adult (Dermal Exposure Assessment, EPA 1992c)
SA _a	0.319 m ² /d	
AF = Adherence factor	0.50 mg/cm ²	Estimated: one-half the adherence factor for soil (EPA 1989a; EPA Region IV New Interim Guidance, 2/11/92, EPA 1992d)
ABS = Absorption factor	0.001 (unitless) 0.01 (unitless)	Equivalent to 0.1% for inorganics and 1.0% for organics (EPA Region IV New Interim Guidance, 2/11/92)
EF = Exposure frequency	21.9 d/year	Estimated: 3 hr/d April-Sept. (3 hr/d x d/24 hr x 7 d/wk x 25 wk/y)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11d. Residential inhalation of ash, soil or dry sediment scenario

Variable	Value used	Explanation/source
$\text{Chronic daily intake (mg/kg-d)} = [(CS \times IR \times EF)/(AT \times PEF)] \times [(ED_c/BW_c) + (ED_a/BW_a)]$ $\text{Intake (pCi)} = CS \times CF \times IR \times (1/PEF) \times EF \times [ED_c + ED_a]$		
CS = Concentration in ash, soil or dry sediment	Chemical-specific (mg/kg; pCi/g)	Concentration is obtained from data in Table 5.1
IR = Inhalation rate	20 m ³ /d	OSWER Directive (EPA 1991b)
CF = Conversion factor	10 ³ g/kg	Necessary to convert to appropriate units
PEF = Particulate emission factor	4.63E+09 m ³ /kg	RAGS Part B (EPA 1991a)
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11e. Residential external exposure scenario

Variable	Value used	Explanation/source
$\text{Dose (pCi-year/g)} = \text{CS} \times (1 - \text{Se}) \times \text{Te} \times [\text{ED}_c + \text{ED}_a]$		
CS = Concentration in ash, soil or sediment	Chemical-specific (pCi/g)	Concentration is obtained from data in Table 5.1
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
Se = Gamma shielding factor (unitless)	0.2	RAGS Part B, EPA 1991a; sect. 4.1.2 (default value)
Te = Gamma exposure time factor (unitless)	1.0	RAGS Part B, EPA 1991a; sect. 4.1.2 (default value, 24h/24h)

Table J.11f. Residential ingestion of surface water or groundwater scenario

Variable	Value used	Explanation/source
Chronic daily intake (mg/kg-d) = $[CW \times IR \times EF/AT] \times [(ED_c/BW_c) + (ED_a/BW_a)]$ Intake (pCi) = $CW \times IR \times EF \times [ED_c + ED_a]$		
CW = Concentration in water	Chemical-specific (mg/L; pCi/L)	Concentration is obtained from data in Table 5.1
IR = Ingestion rate	2 L/d	EPA 1989a; OSWER Directive (EPA 1991b)
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year $\times$ 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year $\times$ 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11g. Residential dermal contact with surface water or groundwater (while showering) scenario

Variable	Value used	Explanation/source
Chronic daily intake (mg/kg-d) = $\frac{[CW \times CF \times PC \times ET \times EF/AT] \times [(SA_c \times ED_c/BW_c) + (SA_a \times ED_a/BW_a)]}{1}$		
CW = Concentration in water	Chemical-specific (mg/L)	Concentration is obtained from data in Table 5.1
CF = Conversion factors	m/100cm and L/10 ⁻³ m ³	Necessary to convert to appropriate units
SA _c = Available surface area	0.728 m ²	50th percentile total body surface area for a child and for an adult, respectively (Dermal Exposure Assessment, EPA 1992c)
SA _a	1.94 m ²	
PC = Permeability constant	Chemical-specific (cm/hr)	Dermal Exposure Assessment (EPA 1992c)
ET = Exposure time	0.25 hr/d	Showering 15 min/d, Dermal Exposure Assessment (EPA 1992c)
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11h. Residential dermal contact with surface water (while wading) scenario

Variable	Value used	Explanation/source
Chronic daily intake (mg/kg-d) =	$[CW \times CF \times PC \times ET \times EF/AT] \times [(SA_c \times ED_c/BW_c) + (SA_a \times ED_a/BW_a)]$	
CW = Concentration in water	Chemical-specific (mg/L)	Concentration is obtained from data in Table 5.1
CF = Conversion factors	m/100cm and L/10 ⁻³ m ³	Necessary to convert to appropriate units
SA _c = Available surface area	0.182 m ² /d	25% of 50th Percentile total body surface area for a child, feet and lower legs for an adult (Dermal Exposure Assessment, EPA 1992c)
SA _a	0.319 m ² /d	
PC = Permeability constant	Chemical-specific (cm/hr)	Dermal Exposure Assessment (EPA 1992c)
ET = Exposure time	3 hr/d	Estimated
EF = Exposure frequency	175 d/year	Estimated (April-Sept.)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11i. Residential inhalation of surface water or groundwater (while showering) scenario

Variable	Value used	Explanation/source
$\text{Chronic daily intake (mg/kg-d)} = \frac{[(\text{CW} \times \text{IR} \times \text{K} \times \text{EF})/(\text{AT})] \times [(\text{ED}_c/\text{BW}_c) + (\text{ED}_a/\text{BW}_a)]}{1}$		
CW = Concentration in water	Chemical-specific (mg/L; pCi/L)	Concentration is obtained from data in Table 5.1
IR = Inhalation rate	14.4 m ³ /d	Inhalation rate while showering (0.6 m ³ /hr) for all age groups (EPA 1989a)
K = Volatilization factor	0.0005 x 1000 L/m ³	(EPA 1989a)
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11j. Residential ingestion of homegrown vegetables scenario

Variable	Value used	Explanation/source
$\text{Chronic daily intake (mg/kg-d)} = [\text{CV} \times \text{FI} \times \text{IR} \times \text{EF}/\text{AT}] \times [(\text{ED}_c / \text{BW}_c) + (\text{ED}_a / \text{BW}_a)]$ $\text{Intake (pCi)} = \text{CV} \times \text{CF} \times \text{IR} \times \text{EF} \times [(\text{ED}_c + \text{ED}_a)]$		
CV = Concentration in vegetable	Chemical-specific (mg/kg; pCi/g)	Concentration is obtained from data in Table J.18
IR = Ingestion rate	0.080 kg/d	OSWER Directive (EPA 1991b)
CF = Conversion factor	10 ³ g/kg	Necessary to convert to appropriate units
FI = Fraction ingested	1 (unitless)	Maximum value used; equivalent to 100%
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.11k. Residential ingestion of homegrown fruit scenario

Variable	Value used	Explanation/source
$\text{Chronic daily intake (mg/kg-d)} = [\text{CV} \times \text{FI} \times \text{IR} \times \text{EF}/\text{AT}] \times [(\text{ED}_c/\text{BW}_c) + (\text{ED}_a/\text{BW}_a)]$ $\text{Intake (pCi)} = \text{CV} \times \text{CF} \times \text{IR} \times \text{EF} \times [(\text{ED}_c + \text{ED}_a)]$		
CV = Concentration in fruit	Chemical-specific (mg/kg; pCi/g)	Concentration is obtained from data in Table J.18
IR = Ingestion rate	0.042 kg/d	OSWER Directive (EPA 1991b)
CF = Conversion factor	10 ³ g/kg	Necessary to convert to appropriate units
FI = Fraction ingested	1 (unitless)	Maximum value used; equivalent to 100%
EF = Exposure frequency	350 d/year	OSWER Directive (EPA 1991b)
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
BW _c = Body weight	15 kg	Child (OSWER Directive, EPA 1991b)
BW _a	70 kg	Adult (Section 6, RAGS, EPA 1989a)
AT = Averaging time	365 d/year × 30 years	Averaging time for noncarcinogens (EPA 1989a; EPA 1991b)
	365 d/year × 70 years	Averaging time for carcinogens (EPA 1989a; EPA 1991b)

Table J.12. Trespasser external exposure scenario

Variable	Value used	Explanation/source
$\text{Dose (pCi-yr/g)} = \text{CS} \times (1-\text{Se}) \times \text{Te} \times [\text{ED}_c + \text{ED}_a]$		
CS = Concentration in ash	Chemical-specific (pCi/g)	Concentration is obtained from data in Table 5.1
ED _c = Exposure duration	6 years	Two-part (child and adult) residential exposure for a 30-year duration (OSWER Directive, EPA 1991b)
ED _a	24 years	
Se = Gamma shielding factor (unitless)	0	Estimated; RAGS Part B, EPA 1991a; Sect. 4.1.2
Te = Gamma exposure time factor (unitless)	0.039	Estimated; RAGS Part B, EPA 1991a; Sect. 4.1.2 (2 wk/52 wk)

Table J.13a. Chronic daily intakes and doses for Chestnut Ridge OU2 Sluice Channel COPCs - residential scenario

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c				Noncarcinogenic Effects (CDI) ^c		
		Ingestion (mg/kg-d; pCi)	Dermal (direct) (mg/kg-d)	Inhalation of Dust (mg/kg-d; pCi)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct) (mg/kg-d)	Inhalation of Dust (mg/kg-d)
ASH								
Inorganics								
Arsenic	1.59E+02	2.5E-04	5.5E-06	7.0E-09		5.8E-04	1.3E-05	1.6E-08
Barium	4.21E+02	6.6E-04	1.5E-05	1.9E-08		1.5E-03	3.4E-05	4.3E-08
Beryllium	1.60E+00	2.5E-06	5.6E-08	7.0E-11		5.8E-06	1.3E-07	1.6E-10
Chromium VI	1.71E+01	2.7E-05	6.0E-07	7.5E-10		6.2E-05	1.4E-06	1.8E-09
Manganese	3.44E+02	5.4E-04	1.2E-05	1.5E-08		1.3E-03	2.8E-05	3.5E-08
Vanadium	4.75E+01	7.4E-05	1.7E-06	2.1E-09		1.7E-04	3.9E-06	4.9E-09
Radionuclides								
Thorium-228	1.10E+00	1.4E+03		5.0E-02	2.6E+01			
Thorium-230	2.90E+00	3.7E+03		1.3E-01	7.0E+01			
Thorium-232	1.30E+00	1.6E+03		5.9E-02	3.1E+01			
Uranium-234	4.40E+00	5.5E+03		2.0E-01	1.1E+02			
Uranium-238	3.30E+00	4.2E+03		1.5E-01	7.9E+01			
SOIL (below ash)								
Inorganic								
Arsenic	5.12E+01	8.0E-05	1.8E-06	2.3E-09		1.9E-04	4.2E-06	5.3E-09

Table J.13a (continued)

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c				Noncarcinogenic Effects (CDI) ^c		
		Ingestion (mg/kg-d; pCi)	Dermal (direct) (mg/kg-d)	Inhalation of Dust (mg/kg-d; pCi)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct) (mg/kg-d)	Inhalation of Dust (mg/kg-d)
Radionuclides								
Thorium-228	8.40E-01	1.1E+03		3.8E-02	2.0E+01			
Thorium-230	1.40E+00	1.8E+03		6.3E-02	3.4E+01			

^a Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) report no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese is not considered a human carcinogen (EPA 1993a, EPA 1993b).

^b The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean; for ash and soil, units are pCi/g for radionuclides and mg/kg for all other analytes.

^c For radionuclides, the units for intake are pCi for the ingestion and inhalation pathways, and the units are pCi-y/g for the external exposure pathway. For all other analytes, the units for chronic daily intake are mg/kg-d for the ingestion, dermal contact and inhalation pathways.

Table J.13b. Chronic daily intakes and doses for Chestnut Ridge OU2 FCAP COPCs - residential scenario

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c					Noncarcinogenic Effects (CDI) ^c			
		Ingestion (mg/kg-d; pCi)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d; pCi)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d)
ASH										
Inorganics										
Arsenic	1.31E+02	2.1E-04	4.6E-06	1.0E-07	5.8E-09		4.8E-04	1.1E-05	2.4E-07	1.3E-08
Barium	4.50E+02	7.1E-04	1.6E-05	3.5E-07	2.0E-08		1.6E-03	3.7E-05	8.2E-07	4.6E-08
Beryllium	4.39E+00	6.9E-06	1.5E-07	3.4E-09	1.9E-10		1.6E-05	3.6E-07	8.0E-09	4.5E-10
Chromium VI	2.51E+01	3.9E-05	8.8E-07	2.0E-08	1.1E-09		9.2E-05	2.0E-06	4.6E-08	2.6E-09
Manganese	1.52E+02	2.4E-04	5.3E-06	1.2E-07	6.7E-09		5.6E-04	1.2E-05	2.8E-07	1.6E-08
Vanadium	8.49E+01	1.3E-04	3.0E-06	6.6E-08	3.7E-09		3.1E-04	6.9E-06	1.5E-07	8.7E-09
Radionuclides										
Thorium-228	2.17E+00	2.7E+03			9.8E-02	5.2E+01				
Thorium-230	4.02E+00	5.1E+03			1.8E-01	9.7E+01				
Thorium-232	2.12E+00	2.7E+03			9.6E-02	5.1E+01				
Uranium-234	3.87E+00	4.9E+03			1.8E-01	9.3E+01				
Uranium-235	2.35E-01	3.0E+02			1.1E-02	5.6E+00				
Uranium-238	3.87E+00	4.9E+03			1.8E-01	9.3E+01				
SEDIMENT										
Inorganics										
Arsenic	7.66E+01	1.2E-04	2.7E-06	6.0E-08	3.4E-09		2.8E-04	6.2E-06	1.4E-07	7.9E-09
Beryllium	2.10E+00	3.3E-06	7.3E-08	1.6E-09	9.2E-11		7.7E-06	1.7E-07	3.8E-09	2.2E-10
Chromium VI	3.29E+01	5.2E-05	1.1E-06	2.6E-08	1.4E-09		1.2E-04	2.7E-06	6.0E-08	3.4E-09
Vanadium	3.55E+01	5.6E-05	1.2E-06	2.8E-08	1.6E-09		1.3E-04	2.9E-06	6.5E-08	3.6E-09
Radionuclides										
Thorium-228	7.30E-01	9.2E+02			3.3E-02	1.8E+01				
Thorium-232	1.60E+00	2.0E+03			7.3E-02	3.8E+01				

Table J.13b (continued)

Analyte ^a	Representative ^b Concentration ^b	Carcinogenic Effects (CDI) ^c						Noncarcinogenic Effects (CDI) ^c			
		Ingestion (mg/kg-d; pCi)	Dermal (direct; shower ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs ^d (mg/kg-d)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct; shower ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs ^d (mg/kg-d)	
Uranium-234	3.90E+00	4.9E+03			1.8E-01	9.4E+01					
Uranium-235	2.90E-01	3.7E+02			1.3E-02	7.0E+00					
Uranium-238	3.00E+00	3.8E+03			1.4E-01	7.2E+01					
SURFACE WATER											
Inorganics											
Arsenic	1.00E-02	2.0E-04	3.3E-07	3.7E-07		4.7E-04	7.6E-07	8.7E-07			
Barium	6.89E-02	1.4E-03	2.3E-06	2.6E-06			3.3E-03	5.3E-06	6.0E-06		
Chromium III	8.80E-03	1.8E-04	2.9E-07	3.3E-07			4.2E-04	6.7E-07	7.7E-07		
Manganese	1.70E+00	3.5E-02	5.6E-05	6.4E-05			8.1E-02	1.3E-04	1.5E-04		
Radionuclides											
Thorium-228	2.20E-01	4.6E+03									
Thorium-230	2.00E+00	4.2E+04									
Uranium-234	3.30E-01	6.9E+03									
Uranium-238	1.10E-01	2.3E+03									

^a Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) report no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese is not considered a human carcinogen (EPA 1993b, EPA 1993a).

^b The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean; for ash and sediment, units are pCi/g for radionuclides and mg/kg for all other analytes; for surface water, units are pCi/L for radionuclides and mg/L for all other analytes.

^c For radionuclides, the units for intake are pCi for the ingestion and inhalation pathways, and the units are pCi-y/g for the external exposure pathway. For all other analytes, the units for chronic daily intake are mg/kg-d for the ingestion, dermal contact and inhalation pathways.

^d Dermal direct-contact CDIs are calculated for ash and sediment; dermal showering-contact CDIs are calculated for surface water. Inhalation of dust CDIs are calculated for ash and dry sediment; CDIs for inhalation of VOCs cannot be calculated for surface water because none of the COPCs are VOCs.

Table J.13c. Chronic daily intakes and doses for Chestnut Ridge OU2 UMB COPCs - residential scenario

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c					Noncarcinogenic Effects (CDI) ^c			
		Ingestion (mg/kg-d; pCi)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d; pCi)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d)
ASH										
Inorganics										
Arsenic	5.92E+01	9.3E-05	2.1E-06	4.6E-08	2.6E-09		2.2E-04	4.8E-06	1.1E-07	6.1E-09
Barium	5.60E+02	8.8E-04	2.0E-05	4.4E-07	2.5E-08		2.0E-03	4.6E-05	1.0E-06	5.7E-08
Beryllium	2.90E+00	4.5E-06	1.0E-07	2.3E-09	1.3E-10		1.1E-05	2.4E-07	5.3E-09	3.0E-10
Cadmium	3.67E+00	5.7E-06	1.3E-07	2.9E-09	1.6E-10		1.3E-05	3.0E-07	6.7E-09	3.8E-10
Chromium VI	1.69E+01	2.6E-05	5.9E-07	1.3E-08	7.4E-10		6.2E-05	1.4E-06	3.1E-08	1.7E-09
Manganese	8.76E+02	1.4E-03	3.1E-05	6.8E-07	3.9E-08		3.2E-03	7.1E-05	1.6E-06	9.0E-08
Mercury	5.81E-01	9.1E-07	2.0E-08	4.5E-10	2.6E-11		2.1E-06	4.7E-08	1.1E-09	6.0E-11
Vanadium	7.25E+01	1.1E-04	2.5E-06	5.7E-08	3.2E-09		2.6E-04	5.9E-06	1.3E-07	7.4E-09
Radionuclides										
Cesium-137	1.29E-01	1.6E+02			5.9E-03	3.1E+00				
Thorium-228	9.20E+00	1.2E+04			4.2E-01	2.2E+02				
Thorium-234	6.30E+00	7.9E+03			2.9E-01	1.5E+02				
Uranium-238	3.43E+00	4.3E+03			1.6E-01	8.2E+01				
SEDIMENT										
Inorganics										
Arsenic	2.30E+03	3.6E-03	8.0E-05	1.8E-06	1.0E-07		8.4E-03	1.9E-04	4.2E-06	2.4E-07
Barium	5.96E+02	9.3E-04	2.1E-05	4.6E-07	2.6E-08		2.2E-03	4.8E-05	1.1E-06	6.1E-08
Beryllium	4.70E+00	7.4E-06	1.6E-07	3.7E-09	2.1E-10		1.7E-05	3.8E-07	8.6E-09	4.8E-10
Chromium VI	2.17E+01	3.4E-05	7.6E-07	1.7E-08	9.5E-10		7.9E-05	1.8E-06	3.9E-08	2.2E-09
Manganese	1.37E+04	2.1E-02	4.8E-04	1.1E-05	6.0E-07		5.0E-02	1.1E-03	2.5E-05	1.4E-06

Table J.13c (continued)

Analyte ^a	Representative ^b Concentration ^b	Carcinogenic Effects (CDI) ^c						Noncarcinogenic Effects (CDI) ^c			
		Ingestion (mg/kg-d; pCi)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d)	
Radionuclides											
Thorium-228	4.30E+00	5.4E+03				2.0E-01	1.0E+02				
Thorium-230	2.70E+00	3.4E+03				1.2E-01	6.5E+01				
Thorium-232	1.20E+00	1.5E+03				5.4E-02	2.9E+01				
Uranium-234	2.20E+00	2.8E+03				1.0E-01	5.3E+01				
Uranium-235	2.10E-01	2.6E+02				9.5E-03	5.0E+00				
Uranium-238	2.20E+00	2.8E+03				1.0E-01	5.3E+01				
SOIL (below ash)											
Inorganics											
Arsenic	2.71E+01	4.2E-05	9.4E-07		1.2E-09		9.9E-05	2.2E-06			2.8E-09
Barium	1.08E+02	1.7E-04	3.8E-06		4.7E-09		3.9E-04	8.8E-06			1.1E-08
Beryllium	9.19E-01	1.4E-06	3.2E-08		4.0E-11		3.4E-06	7.5E-08			9.4E-11
Cadmium	7.48E+00	1.2E-05	2.6E-07		3.3E-10		2.7E-05	6.1E-07			7.7E-10
Nickel	2.66E+01	4.2E-05	9.3E-07		1.2E-09		9.7E-05	2.2E-06			2.7E-09
Radionuclide											
Thorium-234	5.15E+00	6.5E+03			2.3E-01		1.2E+02				
SURFACE WATER											
Inorganics											
Arsenic	7.55E-02	1.5E-03	2.5E-06	2.8E-06			3.6E-03	5.8E-06	6.9E-06	7.9E-06	
Barium	9.08E-02	1.8E-03	3.0E-06	3.4E-06			4.3E-03	6.9E-06	7.9E-06		

Table J.13c (continued)

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c					Noncarcinogenic Effects (CDI) ^c			
		Ingestion (mg/kg-d; pCi)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d; pCi)	External Exposure (pCi-y/g)	Ingestion (mg/kg-d)	Dermal (direct; shower) ^d (mg/kg-d)	Dermal (wading) (mg/kg-d)	Inhalation (dust; VOCs) ^d (mg/kg-d)
Manganese	5.14E-01	1.0E-02	1.7E-05	1.9E-05			2.4E-02	3.9E-05	4.5E-05	
<i>Radionuclides</i>										
Radium-226	5.67E-01	1.2E+04								
Thorium-228	4.10E-02	8.6E+02								
Thorium-230	6.20E-01	1.3E+04								
Uranium-234	5.00E-01	1.1E+04								
Uranium-238	3.36E-01	7.1E+03								
<i>Organic</i>										
bis(2-Ethyl-hexyl)-Phthalate	4.80E-02	9.8E-04	2.7E-03	3.1E-03			2.3E-03	6.3E-03	7.2E-03	

^a Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) report no data available (ND) for EPA Class (carcinogenicity) for barium, nickel, and vanadium; manganese and mercury are not considered human carcinogens (EPA 1993b, EPA 1993a).

^b The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean; for ash, sediment, and soil, units are pCi/g for radionuclides and mg/kg for all other analytes; for surface water, units are pCi/L for radionuclides and mg/L for all other analytes.

^c For radionuclides, the units for intake are pCi for the ingestion and inhalation pathways, and the units are pCi-y/g for the external exposure pathway. For all other analytes, the units for chronic daily intake are mg/kg-d for the ingestion, dermal contact and inhalation pathways.

^d Dermal direct-contact CDIs are calculated for ash, sediment, and soil; dermal showering-contact CDIs are calculated for surface water. Inhalation of dust CDIs are calculated for ash, dry sediment, and soil; CDIs for inhalation of VOCs cannot be calculated for surface water because none of the COPCs are VOCs.

Table J.13d. Chronic daily intakes and doses for Chestnut Ridge OU2 groundwater COPCs - residential scenario

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c			Noncarcinogenic Effects (CDI) ^c		
		Ingestion (mg/kg-d; pCi)	Dermal (showering) (mg/kg-d)	Inhalation of VOCs ^d (mg/kg-d; pCi)	Ingestion (mg/kg-d)	Dermal (showering) (mg/kg-d)	Inhalation of VOCs (mg/kg-d)
GROUNDWATER							
Inorganics							
Arsenic	5.00E-03	1.0E-04	1.6E-07		2.4E-04	3.8E-07	
Barium	1.88E-01	3.8E-03	6.2E-06		8.9E-03	1.4E-05	
Beryllium	1.43E-03	2.9E-05	4.7E-08		6.8E-05	1.1E-07	
Cadmium	4.84E-03	9.8E-05	1.6E-07		2.3E-04	3.7E-07	
Chromium VI	2.36E-02	4.8E-04	7.7E-07		1.1E-03	1.8E-06	
Manganese	1.00E+00	2.0E-02	3.3E-05		4.8E-02	7.7E-05	
Vanadium	1.90E-02	3.9E-04	6.2E-07		9.0E-04	1.5E-06	
Zinc	4.07E-01	8.3E-03	1.3E-05		1.9E-02	3.1E-05	
Radionuclides							
Radium-226	1.26E+00	2.7E+04					
Thorium-228	1.21E-01	2.5E+03					
Thorium-232	8.84E-02	1.9E+03					
Uranium-234	5.50E-01	1.2E+04					
Uranium-235	4.80E-02	1.0E+03					
Uranium-238	4.15E-01	8.7E+03					

Table J.13d (continued)

Analyte ^a	Representative Concentration ^b	Carcinogenic Effects (CDI) ^c			Noncarcinogenic Effects (CDI) ^c		
		Ingestion (mg/kg-d; pCi)	Dermal (showering) (mg/kg-d)	Inhalation of VOCs ^d (mg/kg-d; pCi)	Ingestion (mg/kg-d)	Dermal (showering) (mg/kg-d)	Inhalation of VOCs (mg/kg-d)
Organic							
bis(2-Ethylhexyl)-Phthalate	2.40E-02	4.9E-04	1.4E-03		1.1E-03	3.2E-03	

^a Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) report no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese and zinc are not considered human carcinogens (EPA 1993a, EPA 1993b).

^b The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean; units are pCi/L for radionuclides and mg/L for all other analytes.

^c For radionuclides, the units for intake are pCi for the ingestion and inhalation pathways. For all other analytes, the units for chronic daily intake are mg/kg-d for the ingestion, dermal contact and inhalation pathways.

^d CDIs for inhalation of VOCs cannot be calculated for groundwater because none of the COPCs are VOCs.

Table J.14. Concentrations in ash, groundwater, and surface water

Analyte	C _s - Ash Concentration (mg/kg; pCi/g) ^a			C _w - Groundwater Conc. (mg/L; pCi/L) ^a	C _w - Surface Water Conc. (mg/L; pCi/L) ^a - UMB
	Sluice Channel	Filled Coal Ash Pond (FCAP)	Upper McCoy Branch (UMB)		
Inorganics					
Arsenic	1.59E+02	1.31E+02	5.92E+01	5.00E-03	7.55E-02
Barium	4.21E+02	4.50E+02	5.60E+02	1.88E-01	9.08E-02
Beryllium	1.60E+00	4.39E+00	2.90E+00	1.43E-03	
Cadmium			3.67E+00	4.84E-03	
Chromium VI	1.71E+01	2.51E+01	1.69E+01	2.36E-02	
Manganese	3.44E+02	1.52E+02	8.76E+02	1.00E+00	5.14E-01
Mercury			5.81E-01		
Vanadium	4.75E+01	8.49E+01	7.25E+01	1.90E-02	
Zinc				4.07E-01	
Radionuclides					
Cesium-137			1.29E-01		
Radium-226				1.26E+00	5.67E-01
Thorium-228	1.10E+00	2.17E+00	9.20E+00	1.21E-01	4.10E-02
Thorium-230	2.90E+00	4.02E+00			6.20E-01
Thorium-232	1.30E+00	2.12E+00		8.84E-02	
Thorium-234			6.30E+00		
Uranium-234	4.40E+00	3.87E+00		5.50E-01	5.00E-01

Table J.14 (continued)

Analyte	C _s - Ash Concentration (mg/kg; pCi/g) ^a			C _w - Groundwater Conc. (mg/L; pCi/L) ^a	C _w - Surface Water Conc. (mg/L; pCi/L) ^a - UMB
	Sluice Channel	Filled Coal Ash Pond (FCAP)	Upper McCoy Branch (UMB)		
Uranium-235		2.35E-01		4.80E-02	
Uranium-238	3.30E+00	3.87E+00	3.43E+00	4.15E-01	3.36E-01
<i>Organic</i>					
bis(2-Ethylhexyl)Phthalate				2.40E-02	4.80E-02

^a Ash concentrations are in pCi/g for radionuclides and mg/kg for all other analytes; for groundwater and surface water, units are pCi/L for radionuclides and mg/L for all other analytes.

Table J.15a. Chemical, radionuclide, and plant parameters

Chemical and Radionuclide Independent Parameters		Reference	Plant-type Specific Parameters						
Irrigation Rate (I) (L/m ² /day)	3.33	Whelan 1987		Leafy Vegetables	Root Vegetables	Legumes	Fruiting Vegetables	Fruits	Reference
Length of Growing Season (t _g) (days)	60	Whelan 1987	Plant Yield (Y) (kg/m ²)	2.0	0.6	0.6	0.6	0.6	NCRP 1985
Soil Density (ρ) (kg/m ³)	1500	Droppo 1989	Trans-location Factor (T _p)	1.0	0.1	0.1	0.1	0.1	NCRP 1985
Soil Mixing Depth (z) (m)	0.15	NCRP 1993	Fraction of Deposition (r)	0.2	0.2	0.2	0.2	0.2	NCRP 1985

Table J.15b. Estimation of soil density for ash

	Representative Density ^a (g/cm ³)	Ash Sample Identity											
		SO-001-01		SO-002-01		SO-003-01		SO-004-01		SO-005-01		SO-006-01	
		%	Density (g/cm ³)	%	Density (g/cm ³)	%	Density (g/cm ³)	%	Density (g/cm ³)	%	Density (g/cm ³)	%	Density (g/cm ³)
Sand	1.64	26	0.43	27	0.44	28	0.46	27	0.44	24	0.39	43	0.71
Silt	1.48	50	0.74	50	0.74	48	0.71	64	0.95	52	0.77	46	0.68
Clay	1.39	24	0.33	23	0.32	24	0.33	9	0.13	24	0.33	11	0.15
Sample weighted average density (g/cm ³) ^b		1.50		1.50		1.50		1.52		1.50		1.54	

^a The representative density for sand, silt, and clay is from Droppo (1989).

^b The minimum sample weighted average density (1.50 g/cm³ = 1500 kg/m³) was used as the estimate of the ash density (ρ) in the calculation of the contaminant concentrations in fruits/vegetables.

Table J.16. Exposure Decay Constants

Analyte	Radioactive Half-life (yr)	Radioactive Decay Constant (1/yr)	Weathering Decay Constant (1/yr)	Weathering and Radioactive Decay Constant - λ_e (1/yr)
<i>Inorganics</i> (Whelan 1987)				
Arsenic	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Barium	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Beryllium	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Cadmium	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Chromium VI	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Manganese	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Mercury	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Vanadium	0.00E+00	0.00E+00	1.81E+01	1.81E+01
Zinc	0.00E+00	0.00E+00	1.81E+01	1.81E+01
<i>Radionuclides</i> (Radiological Health Handbook, 1970)				
Cesium-137	3.01E+01	2.30E-02	1.81E+01	1.81E+01
Radium-226	1.60E+03	4.33E-04	1.81E+01	1.81E+01
Thorium-228	1.91E+00	3.62E-01	1.81E+01	1.84E+01
Thorium-230	7.80E+04	8.88E-06	1.81E+01	1.81E+01
Thorium-232	1.41E+10	4.91E-11	1.81E+01	1.81E+01
Thorium-234	6.60E-02	1.05E+01	1.81E+01	2.86E+01
Uranium-234	2.47E+05	2.81E-06	1.81E+01	1.81E+01
Uranium-235	7.10E+08	9.76E-10	1.81E+01	1.81E+01
Uranium-238	4.15E+09	1.54E-10	1.81E+01	1.81E+01
<i>Organic</i> (Whelan 1987)				
bis(2-Ethylhexyl)Phthalate	0.00E+00	0.00E+00	1.81E+01	1.81E+01

Table J.17. Soil-to-plant transfer coefficients

Analyte	Leafy Vegetables	Root Vegetables	Legumes	Fruiting Vegetables	Fruits	Reference
<i>Inorganics</i>						
Arsenic	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	Strengé 1989
Barium	3.61E-02	2.42E-02	6.82E-03	7.81E-04	3.61E-03	Ng 1982
Beryllium	4.70E-04	4.70E-04	4.70E-04	4.74E-04	4.74E-04	Strengé 1989
Cadmium	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	Strengé 1989
Chromium VI	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	Strengé 1989
Manganese	4.21E-01	1.14E-01	2.60E-02	6.90E-03	4.21E-01	Ng 1982
Mercury	3.80E-01	3.80E-01	3.80E-01	3.80E-01	3.80E-01	Strengé 1989
Vanadium	1.30E-03	1.30E-03	1.30E-03	1.30E-03	1.30E-03	Strengé 1989
Zinc	1.06E-01	6.90E-02	2.70E-02	1.81E-02	1.06E-01	Ng 1982
<i>Radionuclides</i>						
Cesium-137	1.65E-02	1.07E-02	2.23E-02	3.40E-03	2.95E-03	Ng 1982
Radium-226	1.40E-03	1.40E-03	1.40E-03	1.40E-03	1.40E-03	Strengé 1989
Thorium-228	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.20E-03	Strengé 1989
Thorium-230	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.20E-03	Strengé 1989
Thorium-232	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.20E-03	Strengé 1989
Thorium-234	4.20E-03	4.20E-03	4.20E-03	4.20E-03	4.20E-03	Strengé 1989
Uranium-234	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	Strengé 1989
Uranium-235	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	Strengé 1989
Uranium-238	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	Strengé 1989
<i>Organic</i>						
bis(2-Ethylhexyl)Phthalate	2.70E-05	2.70E-05	2.70E-05	2.70E-05	2.70E-05	Strengé 1989

Table J.18. Concentrations of COPCs in vegetables and fruits
 (derived from exposure to ash irrigated by groundwater and/or surface water)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
Sluice Channel (irrigation with Chestnut Ridge OU2 groundwater)				
<i>Leafy Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.59E+00	1.40E-05	3.15E-02	1.62E+00
Barium	2.89E+00	1.90E-04	1.18E+00	4.07E+00
Beryllium	7.52E-04	1.88E-07	9.00E-03	9.76E-03
Cadmium	0.00E+00	4.06E-04	3.05E-02	3.09E-02
Chromium VI	4.28E-03	1.65E-06	1.49E-01	1.53E-01
Manganese	1.45E+02	1.18E-01	6.30E+00	1.51E+02
Vanadium	6.18E-02	6.91E-06	1.20E-01	1.81E-01
Zinc	0.00E+00	1.21E-02	2.56E+00	2.57E+00
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	7.93E-03	7.93E-03
Thorium-228	4.62E-03	1.40E-07	7.49E-04	5.37E-03
Thorium-230	1.22E-02	0.00E+00	0.00E+00	1.22E-02
Thorium-232	5.46E-03	1.04E-07	5.57E-04	6.02E-03
Uranium-234	1.10E-02	3.85E-07	3.46E-03	1.45E-02
Uranium-235	0.00E+00	3.36E-08	3.02E-04	3.02E-04
Uranium-238	8.25E-03	2.90E-07	2.61E-03	1.09E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	1.51E-01	1.51E-01
<i>Root Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.59E+00	1.40E-05	0.00E+00	1.59E+00
Barium	1.94E+00	1.27E-04	0.00E+00	1.94E+00
Beryllium	7.52E-04	1.88E-07	0.00E+00	7.52E-04
Cadmium	0.00E+00	4.06E-04	0.00E+00	4.06E-04
Chromium VI	4.28E-03	1.65E-06	0.00E+00	4.28E-03
Manganese	3.92E+01	3.19E-02	0.00E+00	3.92E+01
Vanadium	6.18E-02	6.91E-06	0.00E+00	6.18E-02

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
Zinc	0.00E+00	7.86E-03	0.00E+00	7.86E-03
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	0.00E+00	4.94E-07
Thorium-228	4.62E-03	1.40E-07	0.00E+00	4.62E-03
Thorium-230	1.22E-02	0.00E+00	0.00E+00	1.22E-02
Thorium-232	5.46E-03	1.04E-07	0.00E+00	5.46E-03
Uranium-234	1.10E-02	3.85E-07	0.00E+00	1.10E-02
Uranium-235	0.00E+00	3.36E-08	0.00E+00	3.36E-08
Uranium-238	8.25E-03	2.90E-07	0.00E+00	8.25E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	0.00E+00	1.81E-07
<i>Legumes</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.59E+00	1.40E-05	1.05E-02	1.60E+00
Barium	5.46E+00	3.59E-04	3.95E-01	5.85E+00
Beryllium	7.52E-04	1.88E-07	3.00E-03	3.75E-03
Cadmium	0.00E+00	4.06E-04	1.02E-02	1.06E-02
Chromium VI	4.28E-03	1.65E-06	4.95E-02	5.38E-02
Manganese	8.94E+00	7.28E-03	2.10E+00	1.11E+01
Vanadium	6.18E-02	6.91E-06	3.99E-02	1.02E-01
Zinc	0.00E+00	3.08E-03	8.54E-01	8.57E-01
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	4.62E-03	1.40E-07	2.50E-04	4.87E-03
Thorium-230	1.22E-02	0.00E+00	0.00E+00	1.22E-02
Thorium-232	5.46E-03	1.04E-07	1.86E-04	5.65E-03
Uranium-234	1.10E-02	3.85E-07	1.15E-03	1.22E-02
Uranium-235	0.00E+00	3.36E-08	1.01E-04	1.01E-04
Uranium-238	8.25E-03	2.90E-07	8.71E-04	9.12E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Fruiting Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.59E+00	1.40E-05	1.05E-02	1.60E+00
Barium	6.25E-01	4.11E-05	3.95E-01	1.02E+00
Beryllium	7.52E-04	1.88E-07	3.00E-03	3.75E-03
Cadmium	0.00E+00	4.06E-04	1.02E-02	1.06E-02
Chromium VI	4.28E-03	1.65E-06	4.95E-02	5.38E-02
Manganese	2.37E+00	1.93E-03	2.10E+00	4.47E+00
Vanadium	6.18E-02	6.91E-06	3.99E-02	1.02E-01
Zinc	0.00E+00	2.06E-03	8.54E-01	8.56E-01
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	4.62E-03	1.40E-07	2.50E-04	4.87E-03
Thorium-230	1.22E-02	0.00E+00	0.00E+00	1.22E-02
Thorium-232	5.46E-03	1.04E-07	1.86E-04	5.65E-03
Uranium-234	1.10E-02	3.85E-07	1.15E-03	1.22E-02
Uranium-235	0.00E+00	3.36E-08	1.01E-04	1.01E-04
Uranium-238	8.25E-03	2.90E-07	8.71E-04	9.12E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
<i>Fruits</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.59E+00	1.40E-05	1.05E-02	1.60E+00
Barium	2.89E+00	1.90E-04	3.95E-01	3.28E+00
Beryllium	7.52E-04	1.88E-07	3.00E-03	3.75E-03
Cadmium	0.00E+00	4.06E-04	1.02E-02	1.06E-02
Chromium VI	4.28E-03	1.65E-06	4.95E-02	5.38E-02
Manganese	1.45E+02	1.18E-01	2.10E+00	1.47E+02
Vanadium	6.18E-02	6.91E-06	3.99E-02	1.02E-01
Zinc	0.00E+00	1.21E-02	8.54E-01	8.66E-01

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	4.62E-03	1.40E-07	2.50E-04	4.87E-03
Thorium-230	1.22E-02	0.00E+00	0.00E+00	1.22E-02
Thorium-232	5.46E-03	1.04E-07	1.86E-04	5.65E-03
Uranium-234	1.10E-02	3.85E-07	1.15E-03	1.22E-02
Uranium-235	0.00E+00	3.36E-08	1.01E-04	1.01E-04
uranium-238	8.25E-03	2.90E-07	8.71E-04	9.12E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
FCAP (irrigation with Chestnut Ridge OU2 groundwater)				
<i>Leafy Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.31E+00	1.40E-05	3.15E-02	1.34E+00
Barium	1.62E+00	1.90E-04	1.18E+00	2.81E+00
Beryllium	2.06E-03	1.88E-07	9.00E-03	1.11E-02
Cadmium	0.00E+00	4.06E-04	3.05E-02	3.09E-02
Chromium VI	6.28E-03	1.65E-06	1.49E-01	1.55E-01
Manganese	6.40E+01	1.18E-01	6.30E+00	7.04E+01
Vanadium	1.10E-01	6.91E-06	1.20E-01	2.30E-01
Zinc	0.00E+00	1.21E-02	2.56E+00	2.57E+00
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	7.93E-03	7.93E-03
Thorium-228	9.11E-03	1.40E-07	7.49E-04	9.86E-03
Thorium-230	1.69E-02	0.00E+00	0.00E+00	1.69E-02
Thorium-232	8.90E-03	1.04E-07	5.57E-04	9.46E-03
Uranium-234	9.68E-03	3.85E-07	3.46E-03	1.31E-02
Uranium-235	5.88E-04	3.36E-08	3.02E-04	8.90E-04
Uranium-238	9.68E-03	2.90E-07	2.61E-03	1.23E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	1.51E-01	1.51E-01

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Root Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.31E+00	1.40E-05	0.00E+00	1.31E+00
Barium	1.09E+00	1.27E-04	0.00E+00	1.09E+00
Beryllium	2.06E-03	1.88E-07	0.00E+00	2.06E-03
Cadmium	0.00E+00	4.06E-04	0.00E+00	4.06E-04
Chromium VI	6.28E-03	1.65E-06	0.00E+00	6.28E-03
Manganese	1.73E+01	3.19E-02	0.00E+00	1.74E+01
Vanadium	1.10E-01	6.91E-06	0.00E+00	1.10E-01
Zinc	0.00E+00	7.86E-03	0.00E+00	7.86E-03
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	0.00E+00	4.94E-07
Thorium-228	9.11E-03	1.40E-07	0.00E+00	9.11E-03
Thorium-230	1.69E-02	0.00E+00	0.00E+00	1.69E-02
Thorium-232	8.90E-03	1.04E-07	0.00E+00	8.90E-03
Uranium-234	9.68E-03	3.85E-07	0.00E+00	9.68E-03
Uranium-235	5.88E-04	3.36E-08	0.00E+00	5.88E-04
Uranium-238	9.68E-03	2.90E-07	0.00E+00	9.68E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	0.00E+00	1.81E-07
<i>Legumes</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.31E+00	1.40E-05	1.05E-02	1.32E+00
Barium	3.07E+00	3.59E-04	3.95E-01	3.46E+00
Beryllium	2.06E-03	1.88E-07	3.00E-03	5.06E-03
Cadmium	0.00E+00	4.06E-04	1.02E-02	1.06E-02
Chromium VI	6.28E-03	1.65E-06	4.95E-02	5.58E-02
Manganese	3.95E+00	7.28E-03	2.10E+00	6.06E+00
Vanadium	1.10E-01	6.91E-06	3.99E-02	1.50E-01
Zinc	0.00E+00	3.08E-03	8.54E-01	8.57E-01

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	9.11E-03	1.40E-07	2.50E-04	9.36E-03
Thorium-230	1.69E-02	0.00E+00	0.00E+00	1.69E-02
Thorium-232	8.90E-03	1.04E-07	1.86E-04	9.09E-03
Uranium-234	9.68E-03	3.85E-07	1.15E-03	1.08E-02
Uranium-235	5.88E-04	3.36E-08	1.01E-04	6.88E-04
Uranium-238	9.68E-03	2.90E-07	8.71E-04	1.05E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
<i>Fruiting Vegetables</i>				
<i>Inorganics</i>				
Arsenic	1.31E+00	1.40E-05	1.05E-02	1.32E+00
Barium	3.51E-01	4.11E-05	3.95E-01	7.46E-01
Beryllium	2.06E-03	1.88E-07	3.00E-03	5.06E-03
Cadmium	0.00E+00	4.06E-04	1.02E-02	1.06E-02
Chromium VI	6.28E-03	1.65E-06	4.95E-02	5.58E-02
Manganese	1.05E+00	1.93E-03	2.10E+00	3.15E+00
Vanadium	1.10E-01	6.91E-06	3.99E-02	1.50E-01
Zinc	0.00E+00	2.06E-03	8.54E-01	8.56E-01
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	9.11E-03	1.40E-07	2.50E-04	9.36E-03
Thorium-230	1.69E-02	0.00E+00	0.00E+00	1.69E-02
Thorium-232	8.90E-03	1.04E-07	1.86E-04	9.09E-03
Uranium-234	9.68E-03	3.85E-07	1.15E-03	1.08E-02
Uranium-235	5.88E-04	3.36E-08	1.01E-04	6.88E-04
Uranium-238	9.68E-03	2.90E-07	8.71E-04	1.05E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Fruits</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	1.31E+00	1.40E-05	1.05E-02	1.32E+00
Barium	1.62E+00	1.90E-04	3.95E-01	2.02E+00
Beryllium	2.06E-03	1.88E-07	3.00E-03	5.06E-03
Cadmium	0.00E+00	4.06E-04	1.02E-02	1.06E-02
Chromium VI	6.28E-03	1.65E-06	4.95E-02	5.58E-02
Manganese	6.40E+01	1.18E-01	2.10E+00	6.62E+01
Vanadium	1.10E-01	6.91E-06	3.99E-02	1.50E-01
Zinc	0.00E+00	1.21E-02	8.54E-01	8.66E-01
<i>Radionuclides (pCi/g)</i>				
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	9.11E-03	1.40E-07	2.50E-04	9.36E-03
Thorium-230	1.69E-02	0.00E+00	0.00E+00	1.69E-02
Thorium-232	8.90E-03	1.04E-07	1.86E-04	9.09E-03
Uranium-234	9.68E-03	3.85E-07	1.15E-03	1.08E-02
Uranium-235	5.88E-04	3.36E-08	1.01E-04	6.88E-04
Uranium-238	9.68E-03	2.90E-07	8.71E-04	1.05E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
UMB (irrigation with Chestnut Ridge OU2 groundwater)				
<i>Leafy Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	1.40E-05	3.15E-02	6.23E-01
Barium	2.02E+00	1.90E-04	1.18E+00	3.21E+00
Beryllium	1.36E-03	1.88E-07	9.00E-03	1.04E-02
Cadmium	1.10E+00	4.06E-04	3.05E-02	1.13E+00
Chromium VI	4.23E-03	1.65E-06	1.49E-01	1.53E-01
Manganese	3.69E+02	1.18E-01	6.30E+00	3.75E+02
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	6.91E-06	1.20E-01	2.14E-01

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
Zinc	0.00E+00	1.21E-02	2.56E+00	2.57E+00
<i>Radionuclides (pCi/g)</i>				
Cesium-137	2.13E-03	0.00E+00	0.00E+00	2.13E-03
Radium-226	0.00E+00	4.94E-07	7.93E-03	7.93E-03
Thorium-228	3.86E-02	1.40E-07	7.49E-04	3.94E-02
Thorium-232	0.00E+00	1.04E-07	5.57E-04	5.57E-04
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.85E-07	3.46E-03	3.46E-03
Uranium-235	0.00E+00	3.36E-08	3.02E-04	3.02E-04
Uranium-238	8.58E-03	2.90E-07	2.61E-03	1.12E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	1.51E-01	1.51E-01
<i>Root Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	1.40E-05	0.00E+00	5.92E-01
Barium	1.36E+00	1.27E-04	0.00E+00	1.36E+00
Beryllium	1.36E-03	1.88E-07	0.00E+00	1.36E-03
Cadmium	1.10E+00	4.06E-04	0.00E+00	1.10E+00
Chromium VI	4.23E-03	1.65E-06	0.00E+00	4.23E-03
Manganese	9.99E+01	3.19E-02	0.00E+00	9.99E+01
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	6.91E-06	0.00E+00	9.43E-02
Zinc	0.00E+00	7.86E-03	0.00E+00	7.86E-03
<i>Radionuclides (pCi/g)</i>				
Cesium-137	1.38E-03	0.00E+00	0.00E+00	1.38E-03
Radium-226	0.00E+00	4.94E-07	0.00E+00	4.94E-07
Thorium-228	3.86E-02	1.40E-07	0.00E+00	3.86E-02
Thorium-232	0.00E+00	1.04E-07	0.00E+00	1.04E-07
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.85E-07	0.00E+00	3.85E-07
Uranium-235	0.00E+00	3.36E-08	0.00E+00	3.36E-08

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
Uranium-238	8.58E-03	2.90E-07	0.00E+00	8.58E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	0.00E+00	1.81E-07
<i>Legumes</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	1.40E-05	1.05E-02	6.03E-01
Barium	3.82E+00	3.59E-04	3.95E-01	4.21E+00
Beryllium	1.36E-03	1.88E-07	3.00E-03	4.36E-03
Cadmium	1.10E+00	4.06E-04	1.02E-02	1.11E+00
Chromium VI	4.23E-03	1.65E-06	4.95E-02	5.38E-02
Manganese	2.28E+01	7.28E-03	2.10E+00	2.49E+01
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	6.91E-06	3.99E-02	1.34E-01
Zinc	0.00E+00	3.08E-03	8.54E-01	8.57E-01
<i>Radionuclides (pCi/g)</i>				
Cesium-137	2.88E-03	0.00E+00	0.00E+00	2.88E-03
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	3.86E-02	1.40E-07	2.50E-04	3.89E-02
Thorium-232	0.00E+00	1.04E-07	1.86E-04	1.86E-04
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.85E-07	1.15E-03	1.15E-03
Uranium-235	0.00E+00	3.36E-08	1.01E-04	1.01E-04
Uranium-238	8.58E-03	2.90E-07	8.71E-04	9.45E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
<i>Fruiting Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	1.40E-05	1.05E-02	6.03E-01
Barium	4.37E-01	4.11E-05	3.95E-01	8.32E-01
Beryllium	1.36E-03	1.88E-07	3.00E-03	4.36E-03
Cadmium	1.10E+00	4.06E-04	1.02E-02	1.11E+00

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
Chromium VI	4.23E-03	1.65E-06	4.95E-02	5.38E-02
Manganese	6.04E+00	1.93E-03	2.10E+00	8.15E+00
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	6.91E-06	3.99E-02	1.34E-01
Zinc	0.00E+00	2.06E-03	8.54E-01	8.56E-01
<i>Radionuclides (pCi/g)</i>				
Cesium-137	4.39E-04	0.00E+00	0.00E+00	4.39E-04
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	3.86E-02	1.40E-07	2.50E-04	3.89E-02
Thorium-232	0.00E+00	1.04E-07	1.86E-04	1.86E-04
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.85E-07	1.15E-03	1.15E-03
Uranium-235	0.00E+00	3.36E-08	1.01E-04	1.01E-04
Uranium-238	8.58E-03	2.90E-07	8.71E-04	9.45E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
<i>Fruits</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	1.40E-05	1.05E-02	6.03E-01
Barium	2.02E+00	1.90E-04	3.95E-01	2.42E+00
Beryllium	1.36E-03	1.88E-07	3.00E-03	4.36E-03
Cadmium	1.10E+00	4.06E-04	1.02E-02	1.11E+00
Chromium VI	4.23E-03	1.65E-06	4.95E-02	5.38E-02
Manganese	3.69E+02	1.18E-01	2.10E+00	3.71E+02
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	6.91E-06	3.99E-02	1.34E-01
Zinc	0.00E+00	1.21E-02	8.54E-01	8.66E-01
<i>Radionuclides (pCi/g)</i>				
Cesium-137	3.81E-04	0.00E+00	0.00E+00	3.81E-04
Radium-226	0.00E+00	4.94E-07	2.64E-03	2.64E-03
Thorium-228	3.86E-02	1.40E-07	2.50E-04	3.89E-02

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
Thorium-232	0.00E+00	1.04E-07	1.86E-04	1.86E-04
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.85E-07	1.15E-03	1.15E-03
Uranium-235	0.00E+00	3.36E-08	1.01E-04	1.01E-04
Uranium-238	8.58E-03	2.90E-07	8.71E-04	9.45E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	1.81E-07	5.04E-02	5.04E-02
UMB (irrigated with UMB surface water)				
<i>Leafy Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	2.11E-04	4.75E-01	1.07E+00
Barium	2.02E+00	9.17E-05	5.72E-01	2.59E+00
Beryllium	1.36E-03	0.00E+00	0.00E+00	1.36E-03
Cadmium	1.10E+00	0.00E+00	0.00E+00	1.10E+00
Chromium VI	4.23E-03	0.00E+00	0.00E+00	4.23E-03
Manganese	3.69E+02	6.06E-02	3.24E+00	3.72E+02
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	0.00E+00	0.00E+00	9.43E-02
<i>Radionuclides (pCi/g)</i>				
Cesium-137	2.13E-03	0.00E+00	0.00E+00	2.13E-03
Radium-226	0.00E+00	2.22E-07	3.57E-03	3.57E-03
Thorium-228	3.86E-02	4.74E-08	2.54E-04	3.89E-02
Thorium-230	0.00E+00	7.29E-07	3.90E-03	3.90E-03
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.50E-07	3.15E-03	3.15E-03
Uranium-238	8.58E-03	2.35E-07	2.12E-03	1.07E-02
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	3.63E-07	3.02E-01	3.02E-01

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Root Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	2.11E-04	0.00E+00	5.92E-01
Barium	1.36E+00	6.15E-05	0.00E+00	1.36E+00
Beryllium	1.36E-03	0.00E+00	0.00E+00	1.36E-03
Cadmium	1.10E+00	0.00E+00	0.00E+00	1.10E+00
Chromium VI	4.23E-03	0.00E+00	0.00E+00	4.23E-03
Manganese	9.99E+01	1.64E-02	0.00E+00	9.99E+01
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	0.00E+00	0.00E+00	9.43E-02
<i>Radionuclides (pCi/g)</i>				
Cesium-137	1.38E-03	0.00E+00	0.00E+00	1.38E-03
Radium-226	0.00E+00	2.22E-07	0.00E+00	2.22E-07
Thorium-228	3.86E-02	4.74E-08	0.00E+00	3.86E-02
Thorium-230	0.00E+00	7.29E-07	0.00E+00	7.29E-07
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.50E-07	0.00E+00	3.50E-07
Uranium-238	8.58E-03	2.35E-07	0.00E+00	8.58E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	3.63E-07	0.00E+00	3.63E-07
<i>Legumes</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	2.11E-04	1.58E-01	7.51E-01
Barium	3.82E+00	1.73E-04	1.91E-01	4.01E+00
Beryllium	1.36E-03	0.00E+00	0.00E+00	1.36E-03
Cadmium	1.10E+00	0.00E+00	0.00E+00	1.10E+00
Chromium VI	4.23E-03	0.00E+00	0.00E+00	4.23E-03
Manganese	2.28E+01	3.74E-03	1.08E+00	2.39E+01
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	0.00E+00	0.00E+00	9.43E-02

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Radionuclides (pCi/g)</i>				
Cesium-137	2.88E-03	0.00E+00	0.00E+00	2.88E-03
Radium-226	0.00E+00	2.22E-07	1.19E-03	1.19E-03
Thorium-228	3.86E-02	4.74E-08	8.46E-05	3.87E-02
Thorium-230	0.00E+00	7.29E-07	1.30E-03	1.30E-03
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.50E-07	1.05E-03	1.05E-03
Uranium-238	8.58E-03	2.35E-07	7.05E-04	9.28E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	3.63E-07	1.01E-01	1.01E-01
<i>Fruiting Vegetables</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	2.11E-04	1.58E-01	7.51E-01
Barium	4.37E-01	1.98E-05	1.91E-01	6.28E-01
Beryllium	1.36E-03	0.00E+00	0.00E+00	1.36E-03
Cadmium	1.10E+00	0.00E+00	0.00E+00	1.10E+00
Chromium VI	4.23E-03	0.00E+00	0.00E+00	4.23E-03
Manganese	6.04E+00	9.92E-04	1.08E+00	7.12E+00
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	0.00E+00	0.00E+00	9.43E-02
<i>Radionuclides (pCi/g)</i>				
Cesium-137	4.39E-04	0.00E+00	0.00E+00	4.39E-04
Radium-226	0.00E+00	2.22E-07	1.19E-03	1.19E-03
Thorium-228	3.86E-02	4.74E-08	8.46E-05	3.87E-02
Thorium-230	0.00E+00	7.29E-07	1.30E-03	1.30E-03
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.50E-07	1.05E-03	1.05E-03
Uranium-238	8.58E-03	2.35E-07	7.05E-04	9.28E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	3.63E-07	1.01E-01	1.01E-01

Table J.18 (continued)

Analyte	Concentration from unirrigated ash	Concentration from irrigated ash	Concentration from direct irrigation	Total Concentration ^a
<i>Fruits</i>				
<i>Inorganics (mg/kg)</i>				
Arsenic	5.92E-01	2.11E-04	1.58E-01	7.51E-01
Barium	2.02E+00	9.17E-05	1.91E-01	2.21E+00
Beryllium	1.36E-03	0.00E+00	0.00E+00	1.36E-03
Cadmium	1.10E+00	0.00E+00	0.00E+00	1.10E+00
Chromium VI	4.23E-03	0.00E+00	0.00E+00	4.23E-03
Manganese	3.69E+02	6.06E-02	1.08E+00	3.70E+02
Mercury	2.21E-01	0.00E+00	0.00E+00	2.21E-01
Vanadium	9.43E-02	0.00E+00	0.00E+00	9.43E-02
<i>Radionuclides (pCi/g)</i>				
Cesium-137	3.81E-04	0.00E+00	0.00E+00	3.81E-04
Radium-226	0.00E+00	2.22E-07	1.19E-03	1.19E-03
Thorium-228	3.86E-02	4.74E-08	8.46E-05	3.87E-02
Thorium-230	0.00E+00	7.29E-07	1.30E-03	1.30E-03
Thorium-234	2.65E-02	0.00E+00	0.00E+00	2.65E-02
Uranium-234	0.00E+00	3.50E-07	1.05E-03	1.05E-03
Uranium-238	8.58E-03	2.35E-07	7.05E-04	9.28E-03
<i>Organic (mg/kg)</i>				
bis(2-Ethylhexyl)-Phthalate	0.00E+00	3.63E-07	1.01E-01	1.01E-01

^a The total concentration of an analyte (COPC) in a vegetable/fruit-type is the sum of the concentrations from unirrigated ash, from irrigated ash, and from direct irrigation with the Chestnut Ridge OU2 groundwater; for the UMB area, irrigation with the surface water was also evaluated. The total concentration value, for each COPC, was used to evaluate risk/HI to human health from consumption of homegrown vegetables and fruit.

Table J.19a. Chronic daily intakes for Chestnut Ridge OU2 Sluice Channel COPCs (irrigation with groundwater) - residential ingestion of homegrown vegetables/fruits scenario^{a,b}

Analyte	Leafy Vegetables			Root Vegetables			Legume Vegetables			Fruiting Vegetables			Fruits		
	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI
<i>Inorganics</i>															
Arsenic	1.62E+00	1.3E-03	3.1E-03	1.59E+00	1.3E-03	3.0E-03	1.60E+00	1.3E-03	3.0E-03	1.60E+00	1.3E-03	3.0E-03	1.60E+00	6.8E-04	1.6E-03
Barium	4.07E+00	3.3E-03	7.7E-03	1.94E+00	1.6E-03	3.7E-03	5.85E+00	4.8E-03	1.1E-02	1.02E+00	8.3E-04	1.9E-03	3.28E+00	1.4E-03	3.3E-03
Beryllium	9.76E-03	7.9E-06	1.9E-05	7.52E-04	6.1E-07	1.4E-06	3.75E-03	3.1E-06	7.1E-06	3.75E-03	3.1E-06	7.1E-06	3.75E-03	1.6E-06	3.7E-06
Cadmium	3.09E-02	2.5E-05	5.9E-05	4.06E-04	3.3E-07	7.7E-07	1.06E-02	8.6E-06	2.0E-05	1.06E-02	8.6E-06	2.0E-05	1.06E-02	4.5E-06	1.1E-05
Chromium VI	1.53E-01	1.2E-04	2.9E-04	4.28E-03	3.5E-06	8.1E-06	5.38E-02	4.4E-05	1.0E-04	5.38E-02	4.4E-05	1.0E-04	5.38E-02	2.3E-05	5.4E-05
Manganese	1.51E+02	1.2E-01	2.9E-01	3.92E+01	3.2E-02	7.4E-02	1.11E+01	9.0E-03	2.1E-02	4.47E+00	3.6E-03	8.5E-03	1.47E+02	6.3E-02	1.5E-01
Vanadium	1.81E-01	1.5E-04	3.4E-04	6.18E-02	5.0E-05	1.2E-04	1.02E-01	8.3E-05	1.9E-04	1.02E-01	8.3E-05	1.9E-04	1.02E-01	4.4E-05	1.0E-04
Zinc	2.57E+00	2.1E-03	4.9E-03	7.86E-03	6.4E-06	1.5E-05	8.57E-01	7.0E-04	1.6E-03	8.56E-01	7.0E-04	1.6E-03	8.66E-01	3.7E-04	8.6E-04
<i>Radionuclides</i>															
Radium-226	7.93E-03	6.7E+03		4.94E-07	4.1E-01		2.64E-03	2.2E+03		2.64E-03	2.2E+03		2.64E-03	1.2E+03	
Thorium-228	5.37E-03	4.5E+03		4.62E-03	3.9E+03		4.87E-03	4.1E+03		4.87E-03	4.1E+03		4.87E-03	2.1E+03	
Thorium-230	1.22E-02	1.0E+04		1.22E-02	1.0E+04		1.22E-02	1.0E+04		1.22E-02	1.0E+04		1.22E-02	5.4E+03	
Thorium-232	6.02E-03	5.1E+03		5.46E-03	4.6E+03		5.65E-03	4.7E+03		5.65E-03	4.7E+03		5.65E-03	2.5E+03	
Uranium-234	1.45E-02	1.2E+04		1.10E-02	9.2E+03		1.22E-02	1.0E+04		1.22E-02	1.0E+04		1.22E-02	5.4E+03	
Uranium-235	3.02E-04	2.5E+02		3.36E-08	2.8E-02		1.01E-04	8.5E+01		1.01E-04	8.5E+01		1.01E-04	4.5E+01	
Uranium-238	1.09E-02	9.2E+03		8.25E-03	6.9E+03		9.12E-03	7.7E+03		9.12E-03	7.7E+03		9.12E-03	4.0E+03	
<i>Organic</i>															
bis(2-Ethylhexyl)-Phthalate	1.51E-01	1.2E-04	2.9E-04	1.81E-07	1.5-10	3.4-10	5.04E-02	4.1E-05	9.6E-05	5.04E-02	4.1E-05	9.6E-05	5.04E-02	2.2E-05	5.0E-05

^a For the ingestion of vegetables/fruits pathway, the units for CDIs are pCi for radionuclides and mg/kg-d for all other analytes; units for concentrations are in pCi/g for radionuclides and mg/kg for all other analytes.

^b Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) reports no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese and zinc are not considered human carcinogens (EPA 1993a, EPA 1993b).

Table J.19b. Chronic daily intakes for Chestnut Ridge OU2 FCAP COPCs (irrigation with groundwater) - residential ingestion of homegrown vegetables/fruits scenario^{a,b}

Analyte	Leafy Vegetables			Root Vegetables			Legume Vegetables			Fruiting Vegetables			Fruits		
	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI
<i>Inorganics</i>															
Arsenic	1.34E+00	1.1E-03	2.5E-03	1.31E+00	1.1E-03	2.5E-03	1.32E+00	1.1E-03	2.5E-03	1.32E+00	1.1E-03	2.5E-03	1.32E+00	5.6E-04	1.3E-03
Barium	2.81E+00	2.3E-03	5.3E-03	1.09E+00	8.9E-04	2.1E-03	3.46E+00	2.8E-03	6.6E-03	7.46E-01	6.1E-04	1.4E-03	2.02E+00	8.6E-04	2.0E-03
Beryllium	1.11E-02	9.0E-06	2.1E-05	2.06E-03	1.7E-06	3.9E-06	5.06E-03	4.1E-06	9.6E-06	5.06E-03	4.1E-06	9.6E-06	5.06E-03	2.2E-06	5.0E-06
Cadmium	3.09E-02	2.5E-05	5.9E-05	4.06E-04	3.3E-07	7.7E-07	1.06E-02	8.6E-06	2.0E-05	1.06E-02	8.6E-06	2.0E-05	1.06E-02	4.5E-06	1.1E-05
Chromium VI	1.55E-01	1.3E-04	2.9E-04	6.28E-03	5.1E-06	1.2E-05	5.58E-02	4.5E-05	1.1E-04	5.58E-02	4.5E-05	1.1E-04	5.58E-02	2.4E-05	5.6E-05
Manganese	7.04E+01	5.7E-02	1.3E-01	1.74E+01	1.4E-02	3.3E-02	6.06E+00	4.9E-03	1.2E-02	3.15E+00	2.6E-03	6.0E-03	6.62E+01	2.8E-02	6.6E-02
Vanadium	2.30E-01	1.9E-04	4.4E-04	1.10E-01	9.0E-05	2.1E-04	1.50E-01	1.2E-04	2.8E-04	1.50E-01	1.2E-04	2.8E-04	1.50E-01	6.4E-05	1.5E-04
Zinc	2.57E+00	2.1E-03	4.9E-03	7.86E-03	6.4E-06	1.5E-05	8.57E-01	7.0E-04	1.6E-03	8.56E-01	7.0E-04	1.6E-03	8.66E-01	3.7E-04	8.6E-04
<i>Radionuclides</i>															
Radium-226	7.93E-03	6.7E+03		4.94E-07	4.1E-01		2.64E-03	2.2E+03		2.64E-03	2.2E+03		2.64E-03	1.2E+03	
Thorium-228	9.86E-03	8.3E+03		9.11E-03	7.7E+03		9.36E-03	7.9E+03		9.36E-03	7.9E+03		9.36E-03	4.1E+03	
Thorium-230	1.69E-02	1.4E+04		1.69E-02	1.4E+04		1.69E-02	1.4E+04		1.69E-02	1.4E+04		1.69E-02	7.5E+03	
Thorium-232	9.46E-03	7.9E+03		8.90E-03	7.5E+03		9.09E-03	7.6E+03		9.09E-03	7.6E+03		9.09E-03	4.0E+03	
Uranium-234	1.31E-02	1.1E+04		9.68E-03	8.1E+03		1.08E-02	9.1E+03		1.08E-02	9.1E+03		1.08E-02	4.8E+03	
Uranium-235	8.90E-04	7.5E+02		5.88E-04	4.9E+02		6.88E-04	5.8E+02		6.88E-04	5.8E+02		6.88E-04	3.0E+02	
Uranium-238	1.23E-02	1.0E+04		9.68E-03	8.1E+03		1.05E-02	8.8E+03		1.05E-02	8.8E+03		1.05E+00	4.6E+05	
<i>Organic</i>															
bis(2-Ethyl-hexyl)-Phthalate	1.51E-01	1.2E-04	2.9E-04	1.81E-07	1.5E-10	3.4E-10	5.04E-02	4.1E-05	9.6E-05	5.04E-02	4.1E-05	9.6E-05	5.04E-02	2.2E-05	5.0E-05

^a For the ingestion of vegetables/fruits pathway, the units for CDIs are pCi for radionuclides and mg/kg-d for all other analytes; units for concentrations are in pCi/g for radionuclides and mg/kg for all other analytes.

^b Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) reports no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese and zinc are not considered human carcinogens (EPA 1993a, EPA 1993b).

Table J.19c. Chronic daily intakes for Chestnut Ridge OU2 UMB COPCs (irrigation with groundwater) - residential ingestion of homegrown vegetables/fruits scenario^{a,b}

Analyte	Leafy Vegetables			Root Vegetables			Legume Vegetables			Fruiting Vegetables			Fruits		
	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI
<i>Inorganics</i>															
Arsenic	6.23E-01	5.1E-04	1.2E-03	5.92E-01	4.8E-04	1.1E-03	6.03E-01	4.9E-04	1.1E-03	6.03E-01	4.9E-04	1.1E-03	6.03E-01	2.6E-04	6.0E-04
Barium	3.21E+00	2.6E-03	6.1E-03	1.36E+00	1.1E-03	2.6E-03	4.21E+00	3.4E-03	8.0E-03	8.32E-01	6.8E-04	1.6E-03	2.42E+00	1.0E-03	2.4E-03
Beryllium	1.04E-02	8.5E-06	2.0E-05	1.36E-03	1.1E-06	2.6E-06	4.36E-03	3.5E-06	8.3E-06	4.36E-03	3.5E-06	8.3E-06	4.36E-03	1.9E-06	4.3E-06
Cadmium	1.13E+00	9.2E-04	2.1E-03	1.10E+00	9.0E-04	2.1E-03	1.11E+00	9.0E-04	2.1E-03	1.11E+00	9.0E-04	2.1E-03	1.11E+00	4.7E-04	1.1E-03
Chromium VI	1.53E-01	1.2E-04	2.9E-04	4.23E-03	3.4E-06	8.0E-06	5.38E-02	4.4E-05	1.0E-04	5.38E-02	4.4E-05	1.0E-04	5.38E-02	2.3E-05	5.4E-05
Manganese	3.75E+02	3.1E-01	7.1E-01	9.99E+01	8.1E-02	1.9E-01	2.49E+01	2.0E-02	4.7E-02	8.15E+00	6.6E-03	1.5E-02	3.71E+02	1.6E-01	3.7E-01
Mercury	2.21E-01	1.8E-04	4.2E-04	2.21E-01	1.8E-04	4.2E-04	2.21E-01	1.8E-04	4.2E-04	2.21E-01	1.8E-04	4.2E-04	2.21E-01	9.4E-05	2.2E-04
Vanadium	2.14E-01	1.7E-04	4.1E-04	9.43E-02	7.7E-05	1.8E-04	1.34E-01	1.1E-04	2.5E-04	1.34E-01	1.1E-04	2.5E-04	1.34E-01	5.7E-05	1.3E-04
Zinc	2.57E+00	2.1E-03	4.9E-03	7.86E-03	6.4E-06	1.5E-05	8.57E-01	7.0E-04	1.6E-03	8.56E-01	7.0E-04	1.6E-03	8.66E-01	3.7E-04	8.6E-04
<i>Radionuclides</i>															
Cesium-137	2.13E-03	1.8E+03		1.38E-03	1.2E+03		2.88E-03	2.4E+03		4.39E-04	3.7E+02		3.81E-04	1.7E+02	
Radium-226	7.93E-03	6.7E+03		4.94E-07	4.1E-01		2.64E-03	2.2E+03		2.64E-03	2.2E+03		2.64E-03	1.2E+03	
Thorium-228	3.94E-02	3.3E+04		3.86E-02	3.2E+04		3.89E-02	3.3E+04		3.89E-02	3.3E+04		3.89E-02	1.7E+04	
Thorium-232	5.57E-04	4.7E+02		1.04E-07	8.7E-02		1.86E-04	1.6E+02		1.86E-04	1.6E+02		1.86E-04	8.2E+01	
Thorium-234	2.65E-02	2.2E+04		2.65E-02	2.2E+04		2.65E-02	2.2E+04		2.65E-02	2.2E+04		2.65E-02	1.2E+04	
Uranium-234	3.46E-03	2.9E+03		3.85E-07	3.2E-01		1.15E-03	9.7E+02		1.15E-03	9.7E+02		1.15E-03	5.1E+02	
Uranium-235	3.02E-04	2.5E+02		3.36E-08	2.8E-02		1.01E-04	8.5E+01		1.01E-04	8.5E+01		1.01E-04	4.5E+01	
Uranium-238	1.12E-02	9.4E+03		8.58E-03	7.2E+03		9.45E-03	7.9E+03		9.45E-03	7.9E+03		9.45E-03	4.2E+03	
<i>Organics</i>															
bis(2-Ethyl-hexyl)-Phthalate	1.51E-01	1.2E-04	2.9E-04	1.81E-07	1.5E-10	3.4E-10	5.04E-02	4.1E-05	9.6E-05	5.04E-02	4.1E-05	9.6E-05	5.04E-02	2.2E-05	5.0E-05

^a For the ingestion of vegetables/fruits pathway, the units for CDIs are pCi for radionuclides and mg/kg-d for all other analytes; units for concentrations are in pCi/g for radionuclides and mg/kg for all other analytes.

^b Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) reports no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese, mercury, and zinc are not considered human carcinogens (EPA 1993a, EPA 1993b).

Table J.19d. Chronic daily intakes for Chestnut Ridge OU2 UMB COPCs (irrigation with UMB surface water) - residential ingestion of homegrown vegetables/fruits scenario^{a,b}

Analyte	Leafy Vegetables			Root Vegetables			Legume Vegetables			Fruiting Vegetables			Fruits		
	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI	Conc. (mg/kg; pCi/g)	Ingest. Carcin. CDI	Ingest. Noncar. CDI
<i>Inorganics</i>															
Arsenic	1.07E+00	8.7E-04	2.0E-03	5.92E-01	4.8E-04	1.1E-03	7.51E-01	6.1E-04	1.4E-03	7.51E-01	6.1E-04	1.4E-03	7.51E-01	3.2E-04	7.5E-04
Barium	2.59E+00	2.1E-03	4.9E-03	1.36E+00	1.1E-03	2.6E-03	4.01E+00	3.3E-03	7.6E-03	6.28E-01	5.1E-04	1.2E-03	2.21E+00	9.4E-04	2.2E-03
Beryllium	1.36E-03	1.1E-06	2.6E-06	1.36E-03	1.1E-06	2.6E-06	1.36E-03	1.1E-06	2.6E-06	1.36E-03	1.1E-06	2.6E-06	1.36E-03	5.8E-07	1.4E-06
Cadmium	1.10E+00	9.0E-04	2.1E-03	1.10E+00	9.0E-04	2.1E-03	1.10E+00	9.0E-04	2.1E-03	1.10E+00	9.0E-04	2.1E-03	1.10E+00	4.7E-04	1.1E-03
Chromium VI	4.23E-03	3.4E-06	8.0E-06	4.23E-03	3.4E-06	8.0E-06	4.23E-03	3.4E-06	8.0E-06	4.23E-03	3.4E-06	8.0E-06	4.23E-03	1.8E-06	4.2E-06
Manganese	3.72E+02	3.0E-01	7.1E-01	9.99E+01	8.1E-02	1.9E-01	2.39E+01	1.9E-02	4.5E-02	7.12E+00	5.8E-03	1.4E-02	3.70E+02	1.6E-01	3.7E-01
Mercury	2.21E-01	1.8E-04	4.2E-04	2.21E-01	1.8E-04	4.2E-04	2.21E-01	1.8E-04	4.2E-04	2.21E-01	1.8E-04	4.2E-04	2.21E-01	9.4E-05	2.2E-04
Vanadium	9.43E-02	7.7E-05	1.8E-04	9.43E-02	7.7E-05	1.8E-04	9.43E-02	7.7E-05	1.8E-04	9.43E-02	7.7E-05	1.8E-04	9.43E-02	4.0E-05	9.4E-05
<i>Radionuclides</i>															
Cesium-137	2.13E-03	1.8E+03		1.38E-03	1.2E+03		2.88E-03	2.4E+03		4.39E-04	3.7E+02		3.81E-04	1.7E+02	
Radium-226	3.57E-03	3.0E+03		2.22E-07	1.9E-01		1.19E-03	1.0E+03		1.19E-03	1.0E+03		1.19E-03	5.2E+02	
Thorium-228	3.89E-02	3.3E+04		3.86E-02	3.2E+04		3.87E-02	3.3E+04		3.87E-02	3.3E+04		3.87E-02	1.7E+04	
Thorium-230	3.90E-03	3.3E+03		7.29E-07	6.1E-01		1.30E-03	1.1E+03		1.30E-03	1.1E+03		1.30E-03	5.7E+02	
Thorium-234	2.65E-02	2.2E+04		2.65E-02	2.2E+04		2.65E-02	2.2E+04		2.65E-02	2.2E+04		2.65E-02	1.2E+04	
Uranium-234	3.15E-03	2.6E+03		3.50E-07	2.9E-01		1.05E-03	8.8E+02		1.05E-03	8.8E+02		1.05E-03	4.6E+02	
Uranium-238	1.07E-02	9.0E+03		8.58E-03	7.2E+03		9.28E-03	7.8E+03		9.28E-03	7.8E+03		9.28E-03	4.1E+03	
<i>Organic</i>															
bis(2-Ethyl- hexyl)- Phthalate	3.02E-01	2.5E-04	5.7E-04	3.63E-07	3.0E-10	6.9E-10	1.01E-01	8.2E-05	1.9E-04	1.01E-01	8.2E-05	1.9E-04	1.01E-01	4.3E-05	1.0E-04

^a For the ingestion of vegetables/fruits pathway, the units for CDIs are pCi for radionuclides and mg/kg-d for all other analytes; units for concentrations are in pCi/g for radionuclides and mg/kg for all other analytes.

^b Carcinogenic CDIs are given for all analytes, although HEAST/IRIS (EPA 1993b, EPA 1993a) reports no data available (ND) for EPA Class (carcinogenicity) for barium and vanadium; manganese and mercury are not considered human carcinogens (EPA 1993a, EPA 1993b).

Table J.20. Doses for Chestnut Ridge OU2 radionuclide COPCs - trespasser scenario

Analyte	Representative Concentration ^a (pCi/g)	External Exposure Dose (pCi-y/g)
Sluice Channel Ash		
Thorium-228	1.10E+00	1.3E+00
Thorium-230	2.90E+00	3.3E+00
Thorium-232	1.30E+00	1.5E+00
Uranium-234	4.40E+00	5.1E+00
Uranium-238	3.30E+00	3.8E+00
FCAP Ash		
Thorium-228	2.17E+00	2.5E+00
Thorium-230	4.02E+00	4.6E+00
Thorium-232	2.12E+00	2.4E+00
Uranium-234	3.87E+00	4.5E+00
Uranium-235	2.35E-01	2.7E-01
Uranium-238	3.87E+00	4.5E+00
UMB Ash		
Cesium-137	1.29E-01	1.5E-01
Thorium-228	9.20E+00	1.1E+01
Thorium-234	6.30E+00	7.3E+00
Uranium-238	3.43E+00	4.0E+00

^a The representative concentration is the smallest of two values: the maximum detected concentration versus the upper 95% confidence limit on the mean.

Table J.21. Toxicity information for the Chestnut Ridge OU2 noncarcinogenic contaminants of potential concern

Chemical	Chronic Oral RfD ^{a,b} (mg/kg-d)	Confidence level ^a	%GI absorp.	%GI source	Chronic Oral RfD absorbed ^{c,d} (mg/kg-d)	Chronic Inhale. RfD ^{a,b,e} (mg/kg-d)	RfD basis (vehicle) ^f	Critical effect ^f	Uncertainty factor ^{a,f} ; Modifying factor
<i>Inorganics</i>									
Arsenic	3.0E-04 ^a	Medium	> 90	ATSDR 1989a	3.0E-04	NA	oral	hyperpigmentation, keratosis, vascular complications	UF=3;MF=1
Barium	7.0E-02 ^a	Medium	10	Owen 1990	7.0E-03	1.4E-04	oral water	higher mortality rate from vascular diseases	UF=3;MF=1
Beryllium	5.0E-03 ^a	Low	5	NA	2.5E-04	NA	oral	reduced weight	UF=100;MF=1
Cadmium (water)	5.0E-04 ^a	High	6	Owen 1990	3.0E-05	NA	oral	renal toxicity osteomalacia osteoporosis	UF=10;MF=1
Cadmium (diet)	1.00E-03 ^a	High	6	Owen 1990	6.0E-05	NA	oral	renal toxicity osteomalacia osteoporosis	UF=10;MF=1
Chromium III	1.0E+00 ^a	Low	NA	NA	1.0E+00	NA	oral	NA	UF=1000;MF=NA
Chromium VI	5.0E-03 ^a	Low	10.6	ATSDR 1987-1990	5.3E-04	NA	oral water	hepatotoxicity, nephrotoxicity, dermatitis	UF=500; MF=NA
Manganese (water)	5.0E-03 ^a	Medium	5	ATSDR 1990a	2.5E-04	1.1E-04	oral water	lethargy, tremors mental disturbance inc.muscle tonus	UF=1;MF=1
Manganese (diet)	1.4E-01 ^a	Medium	5	ATSDR 1990a	7.0E-03	1.1E-04	oral	lethargy, tremors mental disturbance inc.muscle tonus	UF=1; MF=1

Table J.21 (continued)

Chemical	Chronic Oral RfD ^{a,b} (mg/kg-d)	Confidence level ^a	%GI absorp.	%GI source	Chronic Oral RfD absorbed ^{c,d} (mg/kg-d)	Chronic Inhale. RfD ^{a,b,e} (mg/kg-d)	RfD basis (vehicle) ^f	Critical effect ^f	Uncertainty factor ^{a,f} ; Modifying factor
Mercury	3.0E-04 ^b	NA	NA	NA	NA	8.6E-05	oral	CNS, kidney, gastrointestinal tract toxicity	UF=1000;MF=NA
Mercury (salts) ^g	3.0E-04 ^b	Medium	< 15	Amdure 1991	4.5E-05	NA	oral	CNS, kidney, gastrointestinal tract toxicity	UF=10;MF=1
Nickel	2.0E-02 ^a	NA	NA	NA	NA	NA	oral	reduced weight	UF=100 ^f ; MF=3 ^f
Nickel (salts) ^g	2.0E-02 ^a	Medium	5	Owen 1990	1.0E-03	NA	oral	reduced weight	UF=100; MF=3
Vanadium	7.0E-03 ^b	NA	2.6	EPA 1987	1.8E-04	NA	oral	minor changes in serum chemistry	UF=100;MF=NA
Zinc	3.0E-01 ^a	NA	50	Owen 1990	1.5E-01	NA	oral	NA	UF=10;MF=NA
<i>Organic</i>									
bis(2-Ethyl-hexyl)Phthalate	2.0E-02 ^a	Medium	100	EPA 1980	2.0E-02	NA	oral	increased liver weight in animals	UF=1000;MF=1

ATSDR = Agency for Toxic Substances and Disease Registry, Public Health Services (1987-1990); NA = No data available or data inconclusive; GI = Gastrointestinal (%GI = percent gastrointestinal absorption); RfD = Reference Dose.

^a Based on Integrated Risk Information System (IRIS) (EPA 1993a).

^b Based on Health Effects Assessment Summary Tables (HEAST) (EPA 1993b).

^c The absorbed RfD = (RfD × %GI absorption); the absorbed RfD is used for dermal pathway calculations. RfD absorbed = RfD (i.e., %GI = 100) when the %GI absorption value is unknown (NA), and when the %GI is greater than 80.

^d The chronic oral absorbed RfD is used for the dermal contact pathway calculations (RfD oral absorbed = RfD oral × %GI).

^e RfCs were converted to units of mg/kg-d (i.e., RfD units) by using the inhalation rate and body weight of an adult [i.e., RfC × 20m³/d × (1/70kg) = RfD] (EPA 1989a).

^f BEIAS (Biomedical and Environmental Information Analysis Section) Toxicity Profiles (BEIAS 1993).

^g The chronic oral RfD for nickel salts and mercury salts were assigned the same RfD values as nickel and mercury metals, respectively; for dermal calculations, the chronic oral absorbed RfDs for mercury salts and nickel salts were used (instead of metals), because the %GI values were available for these salts and were not available for the metals.

Table J.22. Toxicity information for the Chestnut Ridge OU2 carcinogenic contaminants of potential concern

Chemical	Oral Slope Factor ^a	%GI absorp.	%GI source	Oral Slope Factor Absorbed ^b	Inhalation Slope Factor ^a	EPA class ^c	ICRP lung class ^d	Type of cancer
<i>Inorganics [(mg/kg-day)⁻¹]</i>								
Arsenic	NA	>90	ATSDR 1989a	NA	5.0E+01	A	.	skin, lung
Barium	NA	10	Owen 1990	NA	NA	NA		NA
Beryllium	4.3E+00	5	NA	8.6E+01	8.4E+00	B2		breast, bone uterus, lung
Cadmium	NA	6	Owen 1990	NA	6.1E+00	B1		respiratory tract, lung
Chromium III	NA	NA	NA	NA	NA	NA		NA
Chromium VI	NA	10.6	ATSDR 1987-1990	NA	4.1E+01	A		tumors lung cancer
Manganese	NA	5	ATSDR 1990a	NA	NA	D		NA
Mercury	NA	NA	NA	NA	NA	D		NA
Mercury(salts)	NA	<15	Amdure et al. 1991	NA	NA	D		NA
Nickel	NA	NA	NA	NA	NA	NA		NA
Nickel (salts)	NA	5	Owen 1990	NA	NA	NA		NA
Vanadium	NA	2.6	EPA 1987	NA	NA	NA		NA
Zinc	NA	50	Owen 1990	NA	NA	D		NA

Table J.22 (continued)

Chemical	Oral Slope Factor ^a	%GI absorp.	%GI source	Oral Slope Factor Absorbed ^b	Inhalation Slope Factor ^a	EPA class ^c	ICRP lung class ^d	Type of cancer
<i>Organics [(mg/kg-day)⁻¹]</i>								
bis(2-Ethyl-hexyl)Phthalate	1.45E-02	100	EPA 1980	1.40E-02	NA	B2		NA
<i>Radionuclides [(pCi)⁻¹]^e</i>								
Cesium-137	2.8E-11				1.9E-11	A	D	various
Radium-226	1.2E-10				3.0E-09	A	W	various
Thorium-228	5.5E-11				7.8E-08	A	Y	various
Thorium-230	1.3E-11				2.9E-08	A	Y	various
Thorium-232	1.2E-11				2.8E-08	A	Y	various
Thorium-234	4.0E-12				3.2E-11	A	Y	various
Uranium-234	1.6E-11				2.6E-08	A	Y	various
Uranium-235	1.6E-11				2.5E-08	A	Y	various
Uranium-238	2.8E-11				5.2E-08	A	Y	various

NA = No data available or data inconclusive.

^a Based on Integrated Risk Information System (IRIS) (EPA 1993a) or Health Effects Assessment Summary Tables (HEAST), (EPA 1993b)

^b The absorbed oral slope factor is used for the dermal contact pathway calculations; the absorbed oral SF = (SF/%GI).

^c EPA Weight of Evidence Classification System for Carcinogenicity-used to characterize the extent to which available data indicate that an agent is a human carcinogen: A = human carcinogen; B1 or B2 = probable human carcinogen (B1 indicates that limited data on humans are available and B2 indicates sufficient evidence in animals and inadequate or no evidence in humans); C = possible human carcinogen; D = not classifiable as to human carcinogenicity; E = evidence of noncarcinogenicity for humans.

^d Lung clearance classification recommended by the International Commission on Radiological Protection: Y = year; W = week; D = day; G = gas.

^e The radionuclide oral and inhalation slope factors include contributions from daughter products.

Table J.23. Toxicity information for external exposure to the Chestnut Ridge OU2 radionuclide COPCs

Chemical	External exposure slope factor ^{a,b} (g/pCi-y)	ICRP Lung Class ^{a,c}	Type of Cancer
<i>Radionuclides</i>			
Cesium-137	2.0E-06	D	various
Radium-226	6.0E-06	W	various
Thorium-228	5.6E-06	Y	various
Thorium-230	5.4E-11	Y	various
Thorium-232	2.6E-11	Y	various
Thorium-234	3.5E-09	Y	various
Uranium-234	3.0E-11	Y	various
Uranium-235	2.4E-07	Y	various
Uranium-238	3.6E-08	Y	various

^a Based on Health Effects Assessment Summary Tables (HEAST) (EPA 1993b).

^b The radionuclide external exposure slope factors include contributions from daughter products.

^c Lung clearance classification recommended by the International Commission on Radiological Protection (ICRP). Y = year; W = week; D = day; G = gas.

Table J.24. General uncertainty factors in risk assessment

Uncertainty Factor	Effect of Uncertainty	Comment
Use of cancer slope factors	May overestimate risks	Slopes are upper 95% confidence limits derived from the linearized model; considered unlikely to underestimate true risk
Risks/doses within an exposure route assumed to be additive	May over- or underestimate risks	Does not account for synergism or antagonism
Toxicity values derived primarily from animal studies	May over- or underestimate risks	Extrapolation from animal to humans may induce error due to differences in pharmacokinetics, target organs, and population variability
Toxicity values derived primarily from high doses; most exposures are at low doses	May over- or underestimate risks	Assumes linearity at low doses; tends to have conservative exposure assumptions
Toxicity values	May over- or underestimate risks	Not all values represent the same degree of certainty; all are subject to change as new evidence becomes available
Effect of absorption	May over- or underestimate risks	The assumption that absorption is equivalent across species is implicit in the derivation of the critical toxicity values; absorption may actually vary with species and age
Effect of applying critical toxicity values to soil exposures	May overestimate risks	Assumes bioavailability of contaminants sorbed onto soils is the same as detected in lab studies; contaminants detected in studies may be more bioavailable
Exposures assumed constant over time	May over- or underestimate risks	Does not account for environmental fate, transport, or transfer that may alter concentration
Metal analysis for total metals only	May overestimate risks	Did not distinguish between valences or speciation; assumed the metal was present in its most toxic form
Not all chemicals at the site have toxicity values	May underestimate risks	These chemicals are not addressed quantitatively
Exposure assumptions	May over- or underestimate risks	Assumptions regarding media intake, population characteristics, and exposure patterns may not characterize exposures