

**Potassium Acetate Deicer Impacts at Anchorage, Alaska: Data Report**

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# **Potassium Acetate Deicer Impacts at Anchorage, Alaska: Data Report**

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## 1.0 Project Scope

Information described in this data report was collected to meet a preliminary street deicer assessment (HDR 1994) and draft design (HDR 1996) criteria. Variations from the draft design can be found in Section 2. The following report contains validated field data collected between October 1995 and April 1996, deicer use data from 1994-1996 winter/spring seasons, data summaries and plots, QC/QA, a description of the departures from the project assessment design, and degree of usefulness of resulting data.

### 1.1 Project Purpose

Purpose of the project was to gain baseline data on deicer use within the Municipality of Anchorage (MOA), carbonaceous oxygen demand (CBOD<sub>5</sub>) in Anchorage waters and assessment of CBOD<sub>5</sub> reaction rates relative to MOA streams. Information acquired will be used to help the Municipality determine whether potassium acetate should be used to control ice and snow on roads throughout the city and if so provide guidance with respect to its use.

#### 1.1.1 Problem Statement

The city of Anchorage is concerned with maintaining the quality of habitat in its streams and lakes. During winter thaws and spring snow melt, runoff from commercial and residential districts adds potentially polluting compounds and sediments to the city's receiving waters. As an alternative to sanding, which adds sediments and salts to receiving waters, the city used a chemical deicer, potassium acetate, during the winter of 1994-1995. Use of any deicing agent has a potential negative side. In this case, of primary interest was its potential negative impact on the dissolved oxygen content of receiving waters and, to a lesser degree, potential nutrient enrichment of the receiving waters.

#### 1.1.2 Information Limitations

Data derived from this assessment should be considered as being representative of a point or points in time and along a continuum. The uncertainty of whether the quantity and quality of seasonal runoff may or may not be representative of the norm due to precipitation and melt scenarios, makes it difficult to assess how much deicer might actually reach a water body, or the influence of the deicer on that water body. Runoff during 1995-1996 was less than normal, but the final melt period in late March might have been near the norm. Still, whether a normal range of deicer concentrations was in the runoff is not well understood. A portion of the deicer presumably evaporates on warm pavement, some fraction is carried away by vehicle tires and some by snow plowing and removal. Additionally, the amount of deicer applied just prior to a melt period may vary greatly. The nature of available deicer application and records suggests any attempt to quantify anything more specific than a gross range of deicer application near a particular basin has a large margin of built-in error. Data from snow samples should be used with caution when attempting to project the quantity of deicer being hauled to snow dumps. While water quality parameters from the two basins were similar, snow was sampled on only two different occasions. Overall, data acquired during this project should be considered to be valid and representative of a deicer use and impacts in the Municipality during the winter of 1995-1996.

### 1.2 Project Organization

This investigation was performed with the participation of the Project Management and Engineering Division (Watershed Management Section) of the Municipality of Anchorage, Department of Public Works (DPW), Northern Testing Laboratories and HDR, Inc. The MOA provided all project funding.

HDR, Inc., and MOA's Watershed Management Section developed the original deicer assessment and draft assessment design in 1994-1995. HDR staff performed all data collection and reporting. Northern Testing Laboratories (state certified) conducted all chemical analyses.

### 1.3 Data Report Organization

The main body of this report is divided into three sections: Project Scope, Data Collection and Data Summary. The Project Scope describes the need for, and intended use of, the collected information as identified in the draft design. The second section, Data Collection, briefly describes the method and logic used in the collection of information during this project. This section also summarizes the quality of collected data relative to the original design objectives. The final section, Data Summary, briefly describes the general range of attribute characteristics of the collected information. All tables and figures follow the main text of the report. Selected observations, data tabulations and draft sampling methodology are appended.

## 2.0 Data Collection

The following section describes how data reported in this document is intended to represent project goals. It describes briefly how data was collected and how those efforts varied from the draft design. Finally it summarizes success in achieving data quality objectives and identifies data collection problems.

### 2.1 Data Purpose

The primary goals of this study were to provide the Municipality with information on potential water quality impacts of potassium acetate on Anchorage receiving waters and to offer insight as to how potential impacts might be avoided through improved deicer application practices. To facilitate these goals, objectives of the study included; obtaining basic data to characterize dissolved oxygen, phosphorus, and pH in basins, streams, and impoundments. Along with these objectives was the need to assess the quality of melt water runoff in residential and commercial land use basins determine a decay rate for oxygen demand (CBOD<sub>5</sub>) relative to MOA receiving waters for use in modeling and impacts on dissolved oxygen and nutrient loading.

### 2.2 Data Collection

This sub section summarizes the history of data collection for the project. Its primary focus is on the description of unusual circumstances or difficulties in data collection, specifically identifying variations from the protocols or schedules prescribed in the draft project design document. Validated project data can be found in Appendix A.

#### 2.2.1 Data Collection History

Automated data collection, primarily temperature and stream flow, began in late December 1995 and continued through March 1996. Manual grab sampling was intermittently conducted between January and March 1996. The winter of 1995 had very little snowfall until late winter 1996 (Figure 1). November through January saw only a trace of snowfall when compared to the 30-year mean (WRCC, 1999) and it dissipated slowly. February was a snowy month and saw a total of snowfall of 52 inches. On February 10<sup>th</sup> and 11<sup>th</sup> a 13.9-inch snowfall set a 24-hour snowfall record for February. Total snowfall for the month had a water equivalent of only 2.4 inches. March snowfall was also below normal. Snow melt was slow and uniform, with much of it lost to evaporation, until the third week of March, when the remaining accumulated snow melted rapidly.

#### 2.2.2 Variations From Design

A design document was prepared to represent a logical approach in acquiring the necessary data to achieve the goals and objectives to resolve the MOA's problem. The design included the problem and system relative to the problem, critical informational use and resolution thresholds, the process of data collection, analysis and interpretation and implementation plans. Departures from the scope and objectives of the draft assessment design were extensive due primarily to the weather. As a result of the different than normal precipitation and melt pattern, the mid-winter thaw sampling was not done, snow was sampled on only two occasions; and spring runoff sampling was of short duration and very localized thus reducing sampling opportunities.

An automatic sampler with a pressure transducer was installed in basin site B-03, but the temperature sensor was inadvertently not installed. The intent of the automatic sampler was to try to capture the first flush during spring. Owing to the unusual pattern of precipitation and melt, this objective was only partially met with the collection of two sets of runoff samples. Additional non-scheduled water quality samples were taken from alternate sites in the street deicer basins and sanding basins to help characterize runoff. These sites included standing pools at frozen storm drain intakes and an additional Chester Creek site. Fire Creek, was to be sampled as a non-urban impact stream, was found too inaccessible to fit into the necessary time frame and was not sampled. A complete list of sample sites can be found on Table 1.

Several analytical scenarios were used to determine carbonaceous oxygen demand (CBOD<sub>5</sub>-nitrification inhibited) reaction rates and conversely, oxygen depletion rates for MOA waters. The first effort, using standard biological oxygen demand (BOD<sub>5</sub>) methodology, was abandoned because the dissolved oxygen (DO) consumption rate progressed too rapidly for the laboratory to realistically measure once the bacteria reached a critical population growth. Standard laboratory analysis is conducted at 20°C while water temperature in Anchorage creeks is near 0°C.

In lieu of the normal method, two additional BOD<sub>5</sub> analytical methods were used. First, the Stirred Method (Elmore, 1955) extended the period of DO reduction by re-aerating the sample by stirring after each measurement; and second, the Orford Method (Orford, et. al., 1953), which accomplished the same end by adding fresh sample after each measurement. Both methods were used to estimate what synergistic effects might result from compounds in the melt runoff. In both methods, there were usually two sets samples (six replicates each) spiked with 50 and 500 mg/l potassium acetate. The samples were agitated while being held at approximately 5° C. Dissolved oxygen was monitored and samples aerated in cases where dissolved oxygen levels were close to or lower than 1 mg/l. Samples that were spiked with 500-mg/l level of potassium acetate were re-aerated seven times before samples were allowed to progress to oxygen depletion. The methods were done at lower temperatures than normal 20° C methodology, varying concentrations (spike volumes) of deicer and different methods of sample re-aeration. In addition, to investigate the possibility of synergistic effects, each of these methods was tried using a spike formulated from runoff water. The methods were used on samples from Chester Creek (CC-03) and from Campbell Creek (Cam-01). The Campbell Creek site was included for background comparison.

Synergistic effects were mimicked adding additional potassium acetate. Samples of runoff water were collected at 5th Avenue and C Street and analyzed for potassium and acetate. An equal amount of potassium acetate, in the ratio found, was added to several CBOD<sub>5</sub> analytical runs to approximate synergistic effects, or an increased in-stream nutrient level. Modeling was not conducted because all spiked samples indicated substantial growth lag-phase time in laboratory tests. These tests were conducted at higher temperatures than normally found in Anchorage creeks suggesting a growth lag-phase even longer than seen in the laboratory which is consistent with rates found by Gordon, 1970.

### 2.3 Data Quality

Field instruments were checked and calibrated as described in the draft Assessment Design. No anomalies were found, equipment was maintained within factory specifications. Sampling was carried out using standard methodologies and protocols indicated in the Assessment Design. Laboratory data was reviewed for missing data and anomalies.

Several duplicate samples were taken during sampling for analysis and comparison for quality control. Duplicate samples were used for a representative indication of the percent difference between the two samplings. Duplicates were discrete samples, not split samples, which were taken at approximately the same time but in different containers. Some variability was expected between the samples. The reason for relatively large differences in the B-01 CBOD<sub>5</sub> is unknown (Table 2). The difference may be an error due to sample contamination or an error in analysis and reporting, or the values may lie within the CBOD<sub>5</sub> range if the sampling size was larger. Suspect data can be found on Table 3.

Data that was gathered during the monitoring period was statistically reviewed using MINITAB statistical computer software. Temperature and flow at stations B-01 and B-02 was measured continuously. All other data was from instantaneous measurement and grab samples. It was assumed that data was normally distributed. The same laboratory did all chemical analysis. Minimum analytical detection limits for analytes remained constant during the sampling period. The few values reported as less than a detection limit were given a value of one-half of their respective analytical detection limit and included in the statistical database.

Three different CBOD<sub>5</sub> analytical methods were employed to investigate CBOD<sub>5</sub> reaction rates. Further, each of the three methods was altered by temperature changes, deicer spikes and methods and timing of re-aeration. A number of tests were discarded and most tests had some alteration in methodology before completion. The most common problem was a difficulty in maintaining constant temperatures during analysis. Conversations with laboratory personnel suggest any given analysis temperature varied between 2-14 degrees Celsius. Therefore, it is likely that CBOD<sub>5</sub> reaction rate data has a greater than normal built in degree of error.

Deicer use records maintained by the MOA/DPW, Street Maintenance Department were incomplete by both applicators (drivers) record keeping and office processing and storage. Records were limited to data gathered on 3 dates in 1994, 4 dates in 1995 and 10 dates in 1996. A summary of the records and calculated deicer application and usage can be found in Appendix B.

### 3.0 DATA SUMMARY

HDR, Alaska, Inc., Anchorage, conducted all sampling. Sampling methodology outlined in the draft Assessment Design was followed, however, sampling schedule varied greatly. All data is appended in tabular form in Appendix A.

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## 3.1 Sampling Site Descriptions

This section describes the sampling locations (Table 1), frequency, and parameters collected. Sampling included characterization of discharge and water quality from basin out falls, streams, hauled snow, and impoundments. Descriptive statistics for selected basin and stream variables can be found on Table 4 and 5 and graphically on Figures 9 through Figure 24.

### 3.1.1 Basins

The 5<sup>th</sup> Avenue Basin (B-01) is in the heart of the central business district (CBD) of Anchorage (Figure 2). Its storm drain system outfall is located west of the western end of 5th Avenue near Cook Inlet. Access to the outfall is a manhole located on the north side of the coastal trail just west of the Elderberry Park tunnel entrance. The site is reached by parking in the lot near Elderberry Park and walking through the bike path tunnel that crosses under the Alaska Railroad. The sampling site is the manhole located approximately 50 feet northwest of the manhole amidst boulders immediately to the left after emerging from the tunnel. This basin received potassium acetate deicer during the study period. A pressure transducer and thermistor linked to a continuous data logger was also installed in the manhole to monitor flow and water temperature. A sharp-crested, rectangular weir was installed in the storm drain discharging to this manhole from the east to facilitate flow monitoring. This manhole is approximately 5 feet deep.

West Fairview Basin (B-02) samples and measurements were taken from a manhole located in the north bound lane of Denali Street just north of the intersection of Denali Street and 15th Avenue (Figure 2). This is a commercial/residential basin, which also received potassium acetate deicer during the study period. A sharp-crested, v-notched weir, pressure transducer, and thermistor have been installed in this manhole to monitor flow and air temperature. The thermistor and pressure transducers were linked to a continuous data logger attached to the wall of the manhole. This manhole is approximately 10 feet deep.

The Northern Lights Basin (B-03) is a commercial use basin, which was to have received only sand to improve road traction rather than deicer (Figure 3). Samples were to be taken from a manhole located in the southbound lane of Arctic Boulevard just south of the intersection of Arctic Boulevard and West 27th Avenue. Samples were to be collected by an automated sampler from the 18" storm drain discharging to this manhole from the south. A pressure transducer, integral to the automatic sampler, and a thermistor linked to a continuous data logger were installed in this pipe to monitor flow and water and air temperature. This manhole is approximately 17 feet deep.

The West 23<sup>rd</sup> Basin (B-04) is a residential basin (Figure 3). This basin received sand instead of chemical deicer. Water samples and field measurements for the West 23rd Basin were taken from a manhole located in the center of West 23rd Avenue near the eastern terminus of the street. Samples were taken from the storm drain discharging to this manhole from the west. This manhole is approximately 15 feet deep.

### 3.1.2 Hauled Snow

Random samples of snow hauled from within the 5th Avenue (B-01) and the West Fairview (B-02) Basins were sampled. Samples were collected from snow that was plowed into furrows for hauling from intersection areas, designated as SI, and non-intersection areas, designated as SN, within each of the two basins (Figure 2). Snow samples from plowed furrows were assumed to be well mixed, with reference to spatial distribution of deicer material.

Intersection areas were defined as the 100-foot approach to intersections and the intersections themselves. Samples (10 each) from each of the two intersections were combined to create one composite intersection sample. Approximately one-half of the sample was from each intersection.

Non-intersection areas were defined as that section of roadway greater than 100 feet but less than 300 feet from an intersection. Samples were again collected from furrows plowed from non-intersection and combined to form a composite sample. Samples were collected from snow along 5th Avenue, representing the 5th Avenue Basin and along East 13th and East 14 Avenues representing the West Fairview Basin.

### 3.1.3 Impoundments

University Lake (UL-01, 02) and Westchester Lagoon (WC-01, 02), in the Chester Creek drainage, were sampled to characterize water quality before, during, and after any potential influx of potassium acetate. In University Lake the sites were in each of the two bays (Figure 4). In Westchester Lagoon both sample sites were in the large bay, one site in the old stream channel and one site in a shallower area (Figure 5). All samples were two-meter composite grab samples.

### 3.1.4 Chester and Campbell Creeks

Chester Creek (Figures 3, 4 and 6) will be sampled (grab) at 3 sites. The first site (CC-1) was located approximately 50 feet upstream from the University Lake inlet footbridge. This site was used for the CBOD<sub>5</sub> decay rate determination and for water quality characterization. The second site (CC-2) is approximately 50 feet upstream from the Lake Otis Parkway culverts and the third site (CC-3) is at the Aurora Street foot bridge. Both the second and third sites were for water quality characterization. Water samples from a fourth Chester Creek site (CC-Upper) and one Campbell Creek (Cam-1) site were used as background water quality sites because of the reduced possibility of deicer contamination at the site (Figure 7 & 8).

## 3.2 Flow Data

Continuous flow data were remotely monitored in predetermined basin manholes. All the manholes, except B-04, were equipped with pressure transducers to measure water depth. Flows were manually checked in B-04 by measuring the depth and water velocity in the outflow conduit. The configuration of inflow conduits at B-04 precluded the construction of a weir and placement of a pressure transducer at which to measure flow. Continuous flow was determined, using water depth and conduit area calculations. Flow data was then summarized into daily mean flow.

Due to the reduced runoff, flow in the B-02 storm drain was intermittent and reduced to almost nothing but seepage around the weir. Flow in B-02 averaged 0.005 CFS. Flow data from site B-02 is incomplete, and flow in B-03 and B-04 were almost non-existent until late March and averaged 0.12 CFS and 0.008 CFS, respectively. Station B-01 was the only flow station to receive groundwater base flow and, therefore, continuous flow during the monitoring period. Flow in B-01 averaged 0.57 CFS.



### 3.3 Carbonaceous Oxygen Demand (CBOD<sub>5</sub>) Data

Numerous water samples were collected by field personnel to ascertain CBOD<sub>5</sub> concentrations in basin runoff, lakes, streams (both before and after runoff) and for use in laboratory assessment of CBOD<sub>5</sub> growth rates in cold water streams. Snow samples were also collected from the 5<sup>th</sup> Avenue Basin (B-01) and West Fairview Basin (B-02) and analyzed for CBOD<sub>5</sub> to assess the oxygen demand in snow removed from MOA streets and deposited in the snow dump.

Sanding basin samples (B-03 & B-04) had median CBOD<sub>5</sub> concentrations of 170mg/l and 32.5mg/l, respectively. While, basins where deicer was applied (B-01 & B-02) had CBOD<sub>5</sub> concentrations of 180mg/l and 250mg/l. Since one might assume the sanding basins (where deicer was not applied) would have lower CBOD<sub>5</sub> concentrations than in basins where deicer was used, the reason for the elevated concentration at the Northern Lights Basin (B-03) may be from either direct deicer usage or contamination from vehicular traffic.

Snow and ice plowed to the center of the roadway by MOA maintenance crews in the 5<sup>th</sup> Avenue and West Fairview Basins were sampled before removal to snow dumps. Samples from 5<sup>th</sup> Avenue and West Fairview intersections were found to have CBOD<sub>5</sub> concentrations of 420mg/l and 150mg/l, respectively. Non-intersection samples from the respective basins and traffic lanes leading to the intersections had concentrations of 391mg/l and 127mg/l. Several additional samples were taken from pooled melted snow at frozen storm drain culverts in the deicer basins to help characterize the deicer. CBOD<sub>5</sub> concentrations in these melt pools were between 220mg/l–2,000mg/l.

All CBOD<sub>5</sub> concentrations were below minimum detection limits (MDL) in samples from both Westchester Lagoon and University Lake. Samples taken in January 1996 from Chester Creek were also all found to be below MDL. Samples taken from Chester Creek in mid March 1996 had CBOD<sub>5</sub> concentrations ranging from <MDL to 6mg/l at the University Lake inlet (CC-03) to <MDL to 23mg/l at Lake Otis Parkway (CC-02), to <MDL to 48mg/l at C Street (CC-01).

A summary of the CBOD<sub>5</sub> reaction rate analysis using the Stirred and Orford methods can be found on Figures 25 and 26. The Figures show both CBOD<sub>5</sub> growth rates and oxygen depletion rates for varying analyses. Samples from Chester Creek and spiked with 50 mg/l deicer (stirred method) took on the average, 90 hours to go to complete oxygen depletion. All other analyses, samples and methods had higher rates of oxygen consumption and CBOD<sub>5</sub> growth rates. Analytical CBOD<sub>5</sub> tests were run in multiples of six replicates. Curve-fitting analysis was performed on the mean of each set of replicates. CBOD<sub>5</sub> growth rates were calculated to be within a range from 0.25mg/l to 4.16mg per liter per hour and oxygen depletion rates between 0.08 and 0.41mg per liter per hour.

Data from the first incubation interval of Chester Creek and Campbell Creek analyzed using the Orford method appear to be the most consistent. Regression analysis (curve fitting) of the 1<sup>st</sup> interval data (Figures 27 and 28) yields CBOD<sub>5</sub> growth rates of from 1.37mg/l/hr to 1.74mg/l/hr and oxygen depletion rates of 0.48mg/l/hr and 0.49mg/l/hr, respectively.

### 3.4 Dissolved Oxygen Data

During the sampling period, dissolved oxygen (DO) concentrations in each of the 4 basins were between 10mg/l and 15.8mg/l and in-stream DO concentrations were between 12.2mg/l and 15.4mg/l. Westchester Lagoon and University Lake were found to have surface (0.5 meters) DO concentrations usually at or near saturation. Metalimnetic zone (1-2 meters deep) in the lakes were in the 8mg/l to 10mg/l range and hypolimnetic (bottom waters, Z<sub>max+0.5meters</sub>) averaged about 4mg/l. Both lakes had similar DO concentration-depth profiles.

### 3.5 Temperature Data

All the manholes, except B-03, were equipped with sensors to monitor water temperature. The temperature sensor in B-03 was inadvertently not installed and thus no temperature data was gathered. Continuous temperature data was downloaded to a computer and summarized into daily mean water temperature and air temperature, depending on whether or not there was water in each of the manholes. Temperatures in the manholes ranged from -3.4°C to 5.9°C. Lake and stream water temperatures were between 0°C and 3.0°C

### 3.6 Conductivity and pH Data

Conductivity (specific conductance) and pH were measured in the field. Conductivity was highest at basin stations and in snow samples. The only base flow conductivity, which was measured at B-01, was 223µmhos/cm<sup>2</sup>. Basin and snow sample conductivity during the melt period in March 1996 ranged from 438µmhos/cm<sup>2</sup> to 6,643µmhos/cm<sup>2</sup>. One sample from a melt pool at 9<sup>th</sup> and G Street was measured at 9,903µmhos/cm<sup>2</sup>.

Stream conductivity increased progressively at each station down stream. Average conductivity was 255µmhos/cm<sup>2</sup>, 360µmhos/cm<sup>2</sup> and 485µmhos/cm<sup>2</sup> at Chester Creek sampling stations 01, 02, and 03, respectively. Lake samples averaged 196µmhos/cm<sup>2</sup> in University Lake and 278µmhos/cm<sup>2</sup> in Westchester Lagoon.

All water samples, except for one each in Westchester Lagoon and University Lake on 1/17/96, which measured 7.8, had a pH range of 6 to 7.5. Snow samples had a pH range from 7.5 to 8.3.

### 3.7 Deicer, Nutrient and Bacteria Data

A sample of deicer, from a batch being used by MOA, was analyzed and found to be 145,000mg/l potassium and 264,000mg/l acetate. A sample from 5<sup>th</sup> Avenue and C Street was found to have potassium and acetate concentrations of 201 mg/l and 306mg/l, respectively. Samples from CC-03 and X-5 had concentrations of potassium between 0.1 and 2.67mg/l and acetate concentrations of 0.03 and 0.63mg/l. Each of the water samples was also analyzed for bacteria. Bacteria ultimately consume the potassium acetate. Bacteria counts were between 30 and 200 colonies per milliliter in Chester Creek samples and 1400 colonies per milliliter in the 5<sup>th</sup> Avenue and C Street sample.

Grab samples of surface water and bottom waters were taken from both University Lake and Westchester Lagoon and analyzed for total (TP) and ortho- (OP) phosphorus. University Lake TP concentrations ranged from less than the minimum detection limit (<MDL) to .5mg/l (n=3) in surface waters and a single bottom sample was 2.35mg/l. Likewise in Westchester Lagoon, surface water TP concentrations ranged from <MDL to 0.43mg/l (n=2) and 0.49mg/l at the bottom. Ortho-phosphorus was below analytical detection limits in all samples.

Water samples from Chester Creek showed, as with conductivity, an incremental increase in TP at downstream stations. However, OP remained at or near minimum detection limits at each station. Total phosphorus concentrations averaged 0.7mg/l, 1.0mg/l and 1.3mg/l at CC-01, CC-02, and CC-03, respectively.

Water samples from basins and pools at culvert intakes had TP ranging from 0.01 – 19.8mg/l and OP from 0.01mg/l to 1.15mg/l. Snow samples from the basins had TP and OP concentrations ranging from 0.60mg/l to 1.48mg/l and 0.03mg/l to 0.16mg/l, respectively.

### 3.8 Settleable Solids Data

Grab samples from basins, pools at culvert intakes and composite snow samples were analyzed for settleable solids (SS). All samples except for several from the West Fairview Basin (B-02) were below 2.5mg/l. Samples from B-02 had SS concentrations as high as 6mg/l. Samples from Chester Creek were only above minimum detection limits on four occasions (range 0.2mg/l to 0.4mg/l).

### 3.9 Deicer Application Data

In 1996, the MOA supervisor of each maintenance shift patrolled the Central Business District (CBD) and monitored road and weather conditions. The decision to use deicer is made by the supervisor, but deicer application is at the discretion of the truck operator. Deicer truck operators were given some guidelines for deicer application. Guidelines included; applying deicer preventatively when the weather forecast predicted temperatures to drop below 32° F and precipitation or if snow is forecast; and deicer application should be between 1gal/1000 ft<sup>2</sup> and 3gal/1000 ft<sup>2</sup>. The amount of deicer that was applied varied with the operator and conditions. Deicer was applied to approximately the last 20 feet of each traffic lane approaching an intersection and recorded.

The Street Department's computer records indicated that the total deicer applied between January 1994 and April 1996 (total purchased minus total on hand) was 54,316 gallons. The application per intersection data represents less than 18 percent (9,671 gallons) of the total deicer applied. Less than 6 percent (3,247 gallons) of the total was calculated to have been used in the 5<sup>th</sup> Avenue and West Fairview Basins. Using driver application records, estimates of the amount of deicer applied at each intersection lane and amount of deicer applied at intersections within the two basins being studied was calculated. Results indicate deicer applications, both spatial and temporal, varied widely. Records indicate that between 49 and 520 intersections were treated daily. Daily deicer use varied from 12gal to 1,005gal per day and at rates between 0.46gal and 16.33gal per intersection. A summary of available deicer application records can be found in Appendix B.

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## **TABLES**

# Potassium Acetate Deicer Impacts at Anchorage Alaska: Data Report

**Table 1: 1996 Sampling Stations**

Station no.	Station ID.	Location	Water type	US Water	Structure	Notes
1	B-01	5th Avenue Basin	Snow melt runoff		Manhole	West end of 5th near Cook Inlet, north of coastal trail
2	B-02	West Fairview Basin	Snow melt runoff		Manhole	Northbound lane of Denali St. at 15th Ave
3	B-03	Northern Lights Basin	Snow melt runoff		Manhole	Southbound lane of Arctic Blvd., south of W27th Ave
4	B-04	West 23rd Basin	Snow melt runoff		Manhole	Eastern terminus of West 23rd Ave
5	X-1	14th & Fairbanks Street	Snow melt runoff		Paved Street	Pool at storm drain intake at SW corner of intersection
6	X-2	9th & G Street	Snow melt runoff		Paved Street	Pool at storm drain intake at NW corner of intersection
7	X-3	5th & C Street	Snow melt runoff		Paved Street	Pool at storm drain intake at SW corner of intersection
8	X-4	Northern Lights & Benson	Snow melt runoff		Paved Street	Pool at storm drain intake at N side of Benson (near Godfathers Pizza sign)
9	CC-01	Chester Creek	Stream	Chester Creek		Inlet to University Lake
10	CC-02	Chester Creek	Stream	Chester Creek		East of Lake Otis Parkway
11	CC-03	Chester Creek	Stream	Chester Creek		East of Aurora Street pedestrian bridge
12	X-5	Chester Creek	Stream	Chester Creek		Approximately 50ft upstream from Reach Tag SFC-26-1-96
13	UL-01	University Lake	Lake	University Lake		Eastern bay
14	UL-02	University Lake	Lake	University Lake		Western bay
15	WC-01	Westchester Lagoon	Lake	Westchester Lagoon		South east main bay near Minnesota Drive
16	WC-02	Westchester Lagoon	Lake	Westchester Lagoon		North west main bay near Lagoon outlet
17	Cam-01	Campbell Creek	Stream	Campbell Creek		Campbell Creek at east 72nd Street
18	SBI-01	5th Ave. Basin	Snow		Paved Street	Intersections of 5th Ave. & I St. and 5th Ave. & A St. (intersection and 100-foot approach to intersection)
19	SBN-01	5th Ave. Basin	Snow		Paved Street	Non-intersections at 5th Ave. & I St. and 5th Ave. & A St. (>100 feet but < 300 feet from an intersection)
20	SBI-02	West Fairview Basin	Snow		Paved Street	Intersections of 13th & Eagle St. and 14th & Fairbanks St. (intersection and 100-foot approach to intersection)
21	SBN-02	West Fairview Basin	Snow		Paved Street	Non-intersection at 13th & Eagle St. and 14th & Fairbanks St. (>100 feet but < 300 feet from an intersection)

Potassium Acetate Deicer Impacts at Anchorage Alaska: Data Report

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**Table 2 Comparison of Quality Assurance Sample Sets**

Site	Date 1996	Duplicate		Difference	OP mg/l	Duplicate		Difference	CBOD <sub>5</sub> mg/l	Duplicate		Difference
		TP mg/l	TP mg/l	%		OP mg/l	OP mg/l	%		CBOD <sub>5</sub> mg/l	CBOD <sub>5</sub> mg/l	%
B-01	3/15/	3.15	2.25	29	.34	.34	0	240	480	50		
B-02	3/15	4.53	4.25	6	.11	.11	0	520	530	2		
B-04	3/15	2.88	2.88	0	.06	.06	0	120	110	8		
CC-02	3/15	.62	.60	3	<MDL	<MDL	0	1.5	1.5	0		
CC-03	3/15	1.11	1.28	13	.01	.01	0	20	21	5		
UL-01	4/4	.5	.44	12	<MDL	<MDL	0	<MDL	<MDL	0		
WC-01	4/4	.43	.44	2	<MDL	<MDL	0	<MDL	<MDL	0		

# Potassium Acetate Deicer Impacts at Anchorage Alaska: Data Report

**Table 3 SUSPECT DATA**

Sample_Type	Matrix	Sample_Depth	Sample_Meth	Anal_Meth	Par_Code	Units	MDL	Par_VQ	QC_Note
1=primary	1=water	Meters	G=grab	3=EPA 150.1 pH Electrode	EC=Conductivity	1=mg/l	Minimum	1=ND	1=valid
2=field replicate	2=snow/ice		S=field probe	10=EPA405.1 CBOD5	K=Potassuim	2=ug/l	Detection	2=Entry	2=suspect
	3=sediment		V=visual	11=EPA 365.2 TP & OP	PH=pH	3=uS/c	Limit		
			I=instantaneous	12=EPA 120.1 Conductivity Cell	A=Acetate	m			
			C=continuous	13=EPA 170.1 Field Thermometer	TP=Total Phosphorus	4=units			
			M-Daily Mean Value	14=EPA 360.1DO Probe	OP=OrthoPhosphorus	5=CFS			
			LS=Lab Series	150=Stirred Method,CBOD5-50mg/l Deicer Spike	DO=Dissolved Oxygen	6=Celcius			
				151=Stirred Method, CBOD5-61 mg/l Deicer Spike + synergistic effects	T=Temperature	7=Meters			
				152=Orford Method, CBOD5- 500 mg/l Deicer Spike	CBOD5	8=colonies/ml			
				153=Orford Method, CBOD5-500 mg/l Spike + Synergistic Effects	SS=Suspended Solids				
				154=EPA405.1, CBOD5-500 mg/l Deicer Spike	Flow				
				155=EPA405.1, CBOD5-1,000 mg/l Deicer Spike	B= Bacteria				
				156=EPA405.1, CBOD5-2,000 mg/l Deicer Spike					
				157=EPA405.1, CBOD5-10,000 mg/l Deicer Spike					

Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-01	1	03/14/1996	1900	1	1		G			10	CBOD5	220	1	0.01			2
B-01	1	03/15/1996	1930	1	1		G			10	CBOD5	180	1	0.01			2
B-02	2	03/15/1996	1840	1	1		G			10	CBOD5	250	1	0.01			2
B-03	3	03/14/1996	1045	1	1		G			10	CBOD5	120	1	0.01			2
B-03	3	03/14/1996	1345	1	1		G			10	CBOD5	200	1	0.01			2
B-03	3	03/14/1996	1645	1	1		G			10	CBOD5	150	1	0.01			2
B-03	3	03/15/1996	1010	1	1		G			10	CBOD5	86	1	0.01			2
B-03	3	03/15/1996	1610	1	1		G			10	CBOD5	170	1	0.01			2
B-04	4	03/14/1996	1450	1	1		G			10	CBOD5	80	1	0.01			2
B-04	4	03/14/1996	1945	1	1		G			10	CBOD5	82	1	0.01			2
B-04	4	03/15/1996	1115	1	1		G			10	CBOD5	17	1	0.01			2
B-04	4	03/15/1996	1420	1	1		G			10	CBOD5	120	1	0.01			2
B-04	4	03/15/1996	1910	1	1		G			10	CBOD5	35	1	0.01			2
CC-02	10	03/13/1996	1635	1	1	0.5	G			10	CBOD5	14	1	0.01			2
CC-02	10	03/13/1996	2000	1	1	0.5	G			10	CBOD5	16	1	0.01			2
CC-02	10	03/14/1996	1705	1	1	0.5	G			10	CBOD5	20	1	0.01			2
CC-02	10	03/14/1996	2005	1	1	0.5	G			10	CBOD5	23	1	0.01			2
CC-02	10	03/15/1996	1210	1	1	0.5	G			10	CBOD5	1.5	1	0.01			2
CC-02	10	03/15/1996	1440	1	1	0.5	G			10	CBOD5	1.5	1	0.01			2
CC-03	11	03/13/1996	1940	1	1	0.5	G			10	CBOD5	32	1	0.01			2
CC-03	11	03/14/1996	1645	1	1	0.5	G			10	CBOD5	30	1	0.01			2
CC-03	11	03/14/1996	1935	1	1	0.5	G			10	CBOD5	40	1	0.01			2
CC-03	11	03/15/1996	1810	1	1	0.5	G			10	CBOD5	18	1	0.01			2
X3	7	03/13/1996	1550	1	1		G			14	DO	16.50	1	0.1			2
CC-03	11	02/08/1996	1000	1	1		LS			154	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	1130	2	1		LS			154	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	1000	2	1		LS			155	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	700	1	1		LS			156	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	1000	2	1		LS			156	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	1400	1	1		LS			154	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	930	2	1		LS			156	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	930	1	1		LS			157	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	1130	2	1		LS			157	DO	<1.0	1	0.10			2
UL-02	14	01/17/1996		1	1		1 G			14	DO	17.50	1	0.1			2
UL-02	14	01/17/1996		1	1		2 G			14	DO	16.80	1	0.1			2
SBN-02	21	02/08/1996	900	2	2		GC			3	EC	600	3	5			2
UL-01	13	01/17/1996		1	1	0.5	G			11	OP	0.02	1	0.01			2
UL-02	14	01/17/1996		1	1	0.5	G			11	OP	0.02	1	0.01			2
WC-02	16	01/18/1996		1	1	0.5	G			11	OP	0.02	1	0.01			2
CC-02	10	01/17/1996	1400	1	1	0.5	G			3	PH	7.9	4				2
CC-03	11	01/17/1996	1500	1	1	0.5	G			3	PH	8	4				2



# Potassium Acetate Deicer Impacts at Anchorage Alaska: Data Report

**Table 4 Descriptive Statistics for Basin Variables**

Site	Site ID	Variable	N	Mean	Median	TrMean	StDev	SEMean	Min	Max	Q1	Q3
1	B-01	DO	13	13.238	13.000	13.209	1.040	0.290	11.5	15.3	12.55	14.000
2	B-02	DO	11	13.264	14.000	13.344	1.704	0.514	10.0	15.8	11.70	14.200
3	B-03	DO	4	12.725	12.850	12.725	1.365	0.682	11.0	14.2	11.35	13.975
4	B-04	DO	9	13.089	13.800	13.089	1.496	0.499	10.0	14.8	12.00	13.950
1	B-01	Cond.	13	2044	1638	1790	1823	505	233	6643	719	2745
2	B-02	Cond.	11	1821	1943	1787	898	271	530	3417	1045	2341
3	B-03	Cond.	4	2656	2705	2656	897	449	1762	3450	1823	3439
4	B-04	Cond.	9	1018	632	1018	667	222	438	2302	468	1496
1	B-01	pH	13	7.131	7.300	7.155	0.448	0.124	6.4	7.6	6.65	7.50
2	B-02	pH	11	7.146	7.2000	7.200	0.291	0.088	6.4	7.4	7.10	7.40
3	B-03	pH	4	6.875	6.850	6.875	0.330	0.165	6.5	7.3	6.58	7.20
4	B-04	pH	9	6.989	7.100	6.989	0.392	0.131	6.0	7.3	6.95	7.20
1	B-01	TP	15	2.935	1.880	2.393	3.552	0.917	0.010	12.900	0.030	5.280
2	B-02	TP	11	6.095	5.800	5.917	2.637	0.795	2.800	11.000	3.750	7.180
3	B-03	TP	10	6.160	5.740	5.930	3.950	1.250	1.130	13.000	1.650	9.210
4	B-04	TP	10	2.478	2.530	2.447	1.788	0.565	0.100	5.100	0.795	4.280
1	B-01	OP	15	0.245	0.070	0.194	0.342	0.088	0.010	1.150	0.010	0.340
2	B-02	OP	11	0.109	0.030	0.098	0.120	0.036	0.010	0.310	0.010	0.230
3	B-03	OP	10	0.243	0.120	0.205	0.294	0.093	0.010	0.780	0.010	0.515
4	B-04	OP	10	0.040	0.035	0.035	0.031	0.010	0.010	0.110	0.010	0.053
1	B-01	CBOD <sub>5</sub>	17	187.7	180.0	151.3	230.8	56.0	1.0	920.0	2.5	245.0
2	B-02	CBOD <sub>5</sub>	11	258.5	250.0	247.0	208.9	63.0	1.0	620.0	60.0	420.0
3	B-03	CBOD <sub>5</sub>	10	424.0	170.0	257.0	621.0	196.0	86.0	2100.0	112.0	510.0
4	B-04	CBOD <sub>5</sub>	10	41.8	32.5	37.1	39.7	12.5	1.0	120.0	6.8	80.5
1	B-01	SS	13	0.253	0.010	0.071	0.682	0.189	0.010	2.500	0.010	0.200
2	B-02	SS	11	2.341	1.000	2.193	2.721	0.820	0.010	6.000	0.010	5.500
3	B-03	SS	10	0.215	0.105	0.180	0.260	0.082	0.010	0.700	0.0100	0.375
4	B-04	SS	9	0.031	0.010	0.031	0.063	0.021	0.010	0.200	0.010	0.010
1	B-01	Flow	124	0.572	0.490	0.554	0.275	0.025	0.190	1.440	0.410	0.810
2	B-02	Flow	103	0.005	0.000	0.000	0.039	0.004	0.000	0.380	0.000	0.000
1	B-01	Temp	76	3.89	3.50	3.84	0.78	0.09	3.00	5.50	3.50	4.28
2	B-02	Temp	105	-0.32	-1.00	-0.41	2.44	0.24	-3.40	4.80	-2.50	1.60
4	B-04	Temp	76	3.89	4.00	3.85	0.59	0.067	2.80	5.90	3.50	4.00

**Abbreviations**

CBOD<sub>5</sub>=Oxygen demand (5 day), mg/l; DO=Dissolved Oxygen, mg/l; TP=Total phosphorus, mg/l; OP=Ortho-phosphorus, mg/l, SS=Settleable Solids, mg/l; pH=pH, unit  
 EC 25=Specific conductance, umhos/cm<sup>2</sup>; Temp=Surface water or air temperature, C°; Flow=Instantaneous streamflow, cfs; N=Number of samples; Mean=Arithmetic average  
 Median=Arithmetic middle; TrMean=Trimmed mean = smallest and largest 5% removed and the rest averaged; StDev=Standard deviation (σ); SEMean=Standard error of the mean = σ/√n  
 Min=Minimum value; Max=Maximum value; Q1=1st quartile - Q1 = (N+1)/4; Q3=3rd quartile - Q3 = 3(N+1)/4

# Potassium Acetate Deicer Impacts at Anchorage Alaska: Data Report

**Table 5 Summary of Lake, Stream and Snow Water Quality Data**

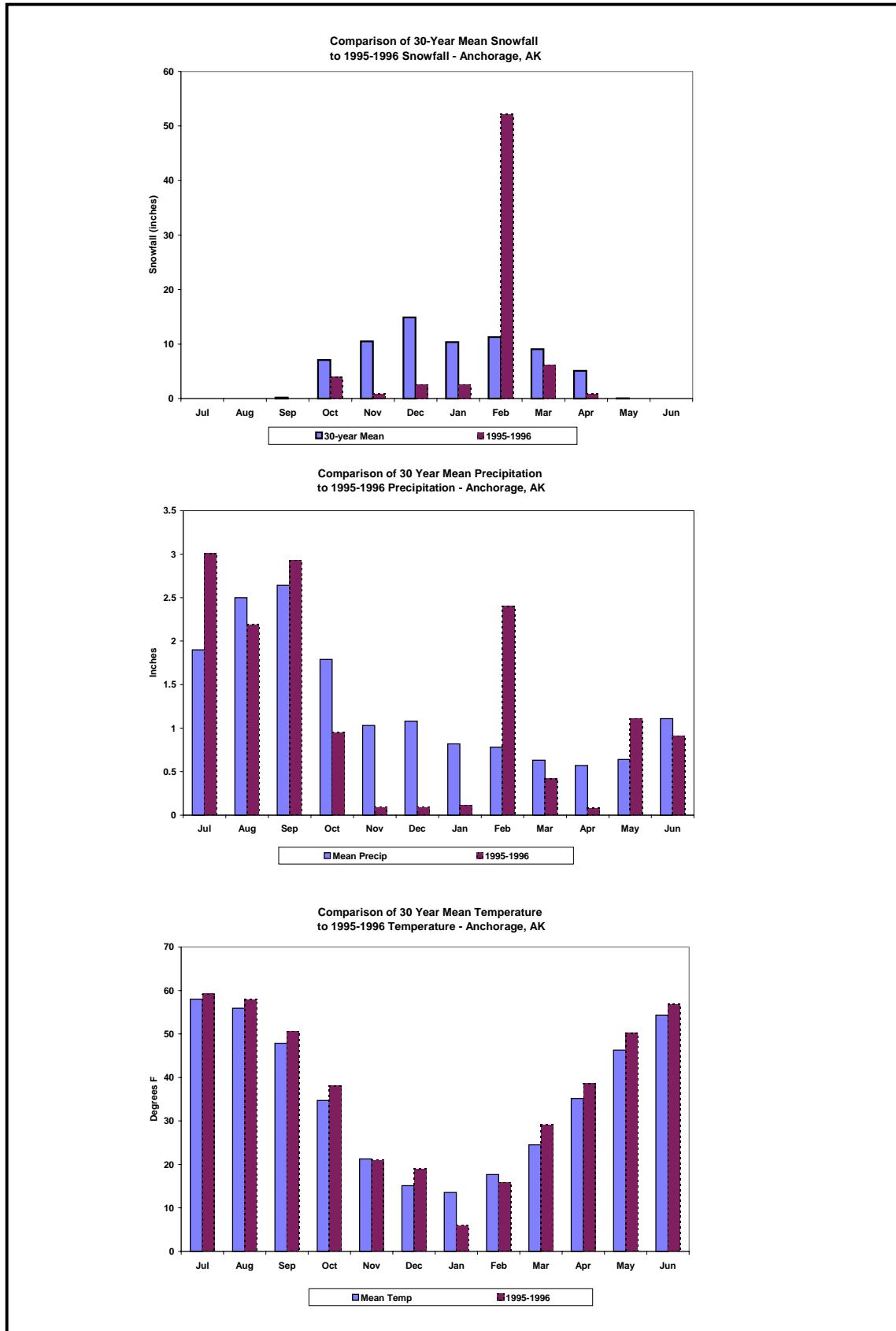
(Mean and Ranges of Measured Parameters)

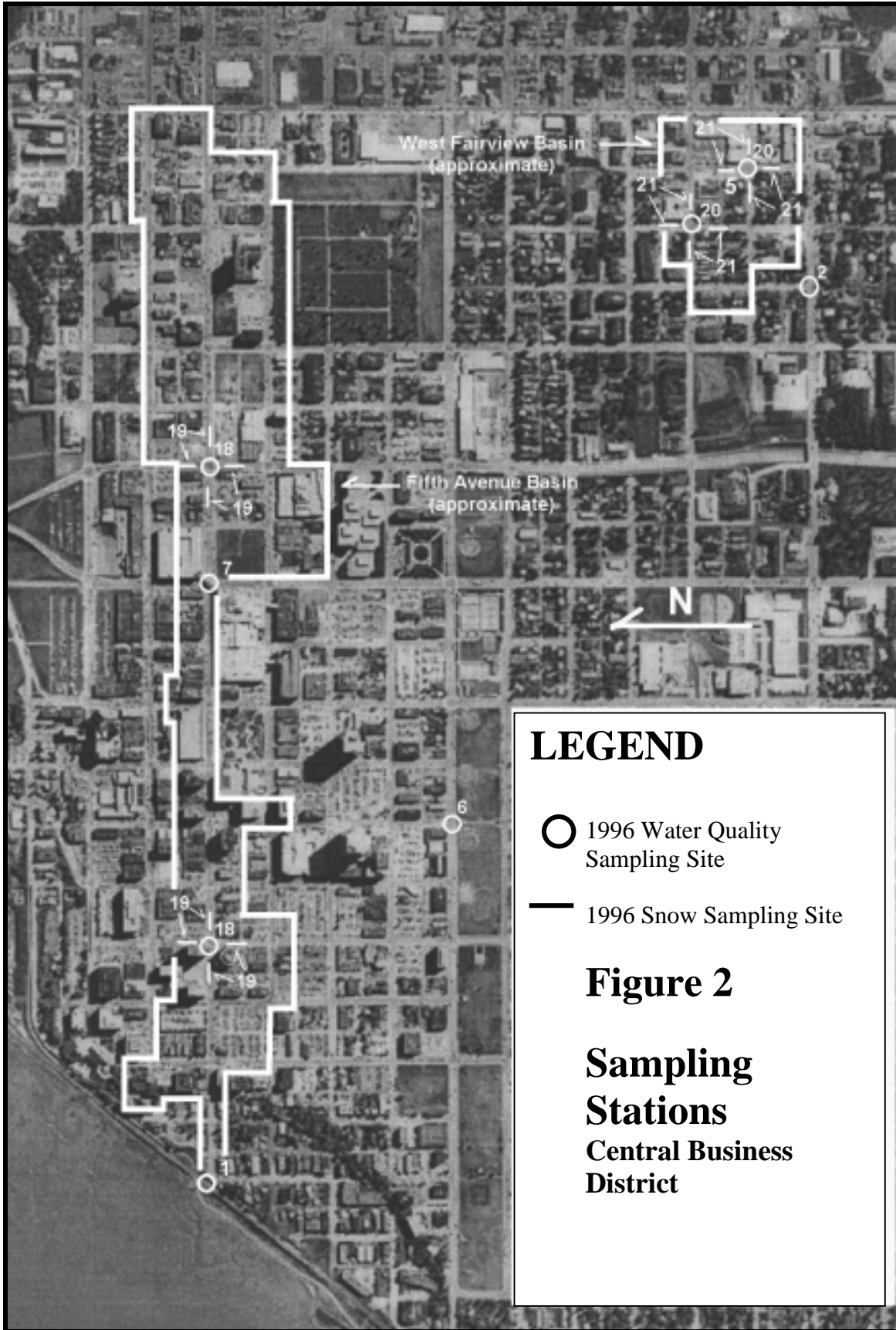
Site	Site ID	Temp. Celsius	pH	Dissolved Oxygen mg/l	Conductivity umohs/cm <sup>2</sup>	Total Phosphorus mg/l	Ortho-Phosphorus mg/l	CBOD <sub>5</sub> mg/l	Settleable Solids mg/l
<b>9</b>	<b>CC-01</b>	1.7	6.9	13.3	255.4	0.7	0.04	6.0	0.2
		0 - 2.5	6.3-7.2	12.5-14.2	202-321	0.02-1.4	0.02-0.08	6.0	0.2
<b>10</b>	<b>CC-02</b>	1.9	6.9	13.6	359.9	1.0	0.02	9.9	<MDL
		0 - 2.9	6.0-7.5	12.4-14.5	228-588	0.6-2.35	0.01-0.03	1.5-23	<MDL
<b>11</b>	<b>CC-03</b>	1.7	6.9	13.8	484.8	1.3	0.02	16.5	0.3
		0 - 2.6	6.1-7.3	12.2-15.4	230-805	0.02-3.35	0.01-0.06	2.0-48	0.2-0.4
<b>13&amp;14</b>	<b>UL</b>	1	7.2	11.8*	196	0.66	0.01	<MDL	-
		0 - 3	6.0-7.8	4.0-sat.	144-222	<MDL-2.35	0-0.02	<MDL	-
<b>15&amp;16</b>	<b>WC</b>	0.5	6.8	9.6*	278	0.34	0.01	<MDL	-
		0 - 1.5	6.7-6.8	3.5-sat	185-324	<MDL-0.49	<MDL-0.02	<MDL	-
<b>18&amp;19</b>	<b>SB-01</b>	-	8	-	1500	1.09	0.03	406	2.75
			8		1400-1600	1.03-1.15	0.03	391-420	2.5-3.0
<b>20&amp;21</b>	<b>SB-02</b>	-	7.8	-	1070	1	0.14	139	2
			7.5-8.3		600-1279	0.6-1.48	0.12-0.16	73-201	1.5-2.5

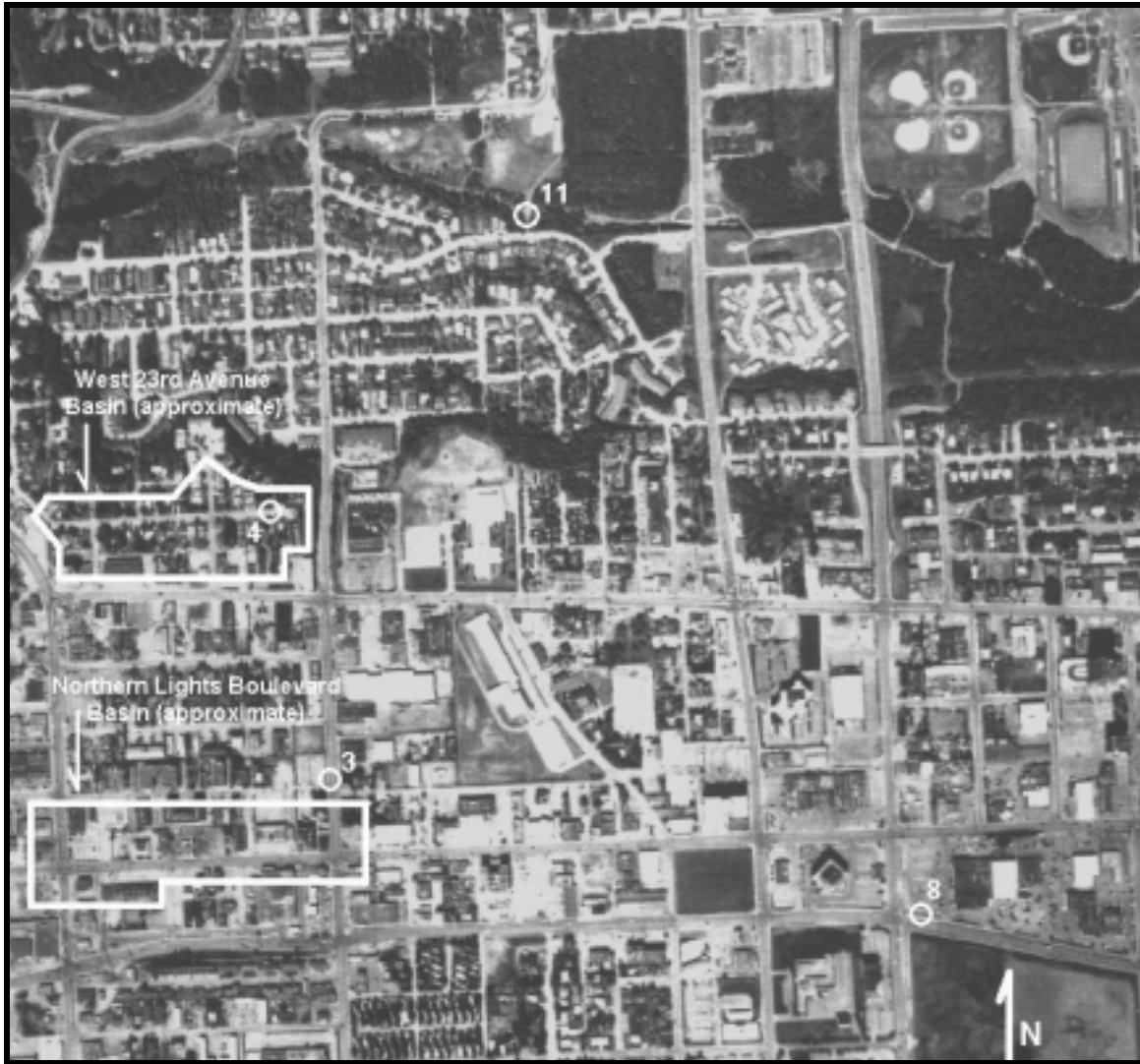
\* Average of Dissolved Oxygen at transects depth; MDL - Method detection limit; sat.- Dissolved oxygen saturated water

## **FIGURES**

Figure 1 Study Period Climate and 30-Year Averages







**Figure 3**

○ 1996 Water Quality Sampling Sites

**Sampling Stations**

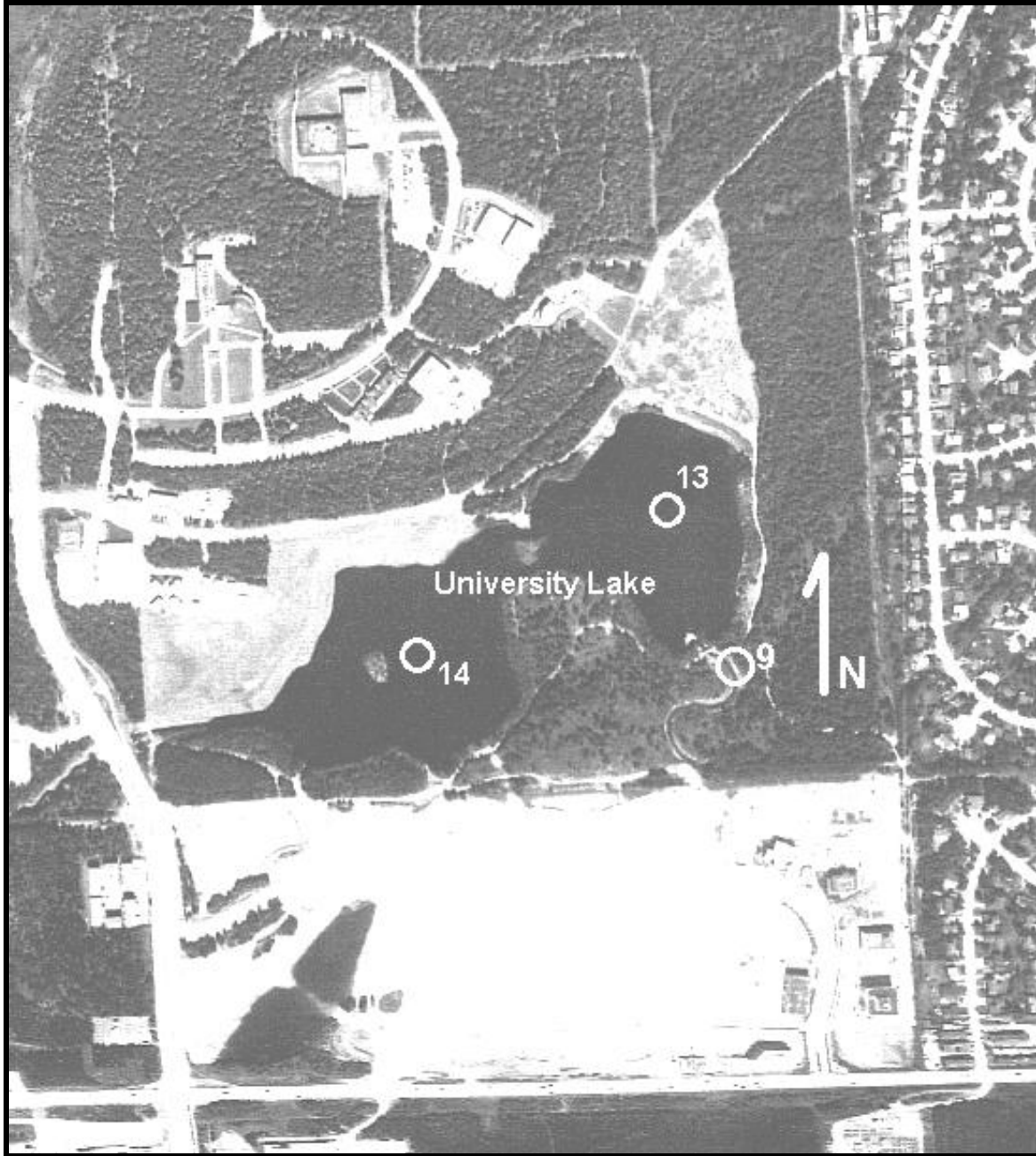
**West 23<sup>rd</sup> Avenue Basin & Northern Lights Boulevard Basin**



**Figure 4**

○ 1996 Water Quality Sampling Sites

**Sampling Stations**  
**Westchester Lagoon**



**Figure 5**

○ 1996 Water Quality Sampling Sites

**Sampling Stations**  
**University Lake**





**Figure 6**

○ 1996 Water Quality Sampling Sites

**Sampling Stations**  
Chester Creek (CC-02)



**Figure 7**

○ 1996 Water Quality Sampling Sites

**Sampling Stations** Chester Creek (CC-Upper)



**Figure 8**

○ 1996 Water Quality Sampling Sites

**Sampling Stations**  
Campbell Creek (Cam-01)

## Descriptive Statistics

The following descriptive statistics of the 1995-1996 data are graphically represented:

- Mean
- Median
- Trimmed mean - smallest and largest 5% removed and the rest averaged
- Standard deviation ( $\sigma$ )
- Standard error of the mean -  $\sigma/\sqrt{n}$
- Minimum value
- Maximum value
- 1st quartile -  $Q1 = (N+1)/4$
- 3rd quartile -  $Q3 = 3(N+1)/4$
- Box Plot - median, 1st and 3rd quartiles, probable outliers and possible outliers

### KEY TO BOX PLOTS

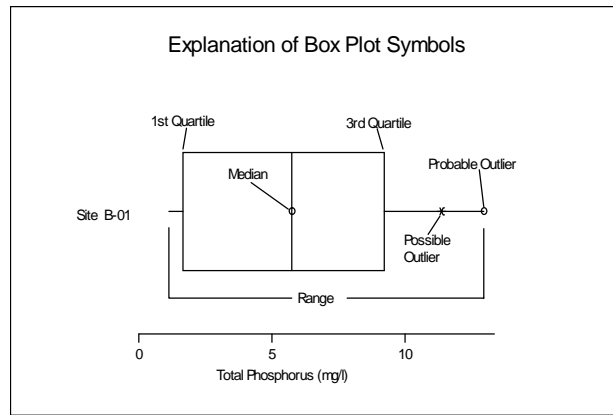
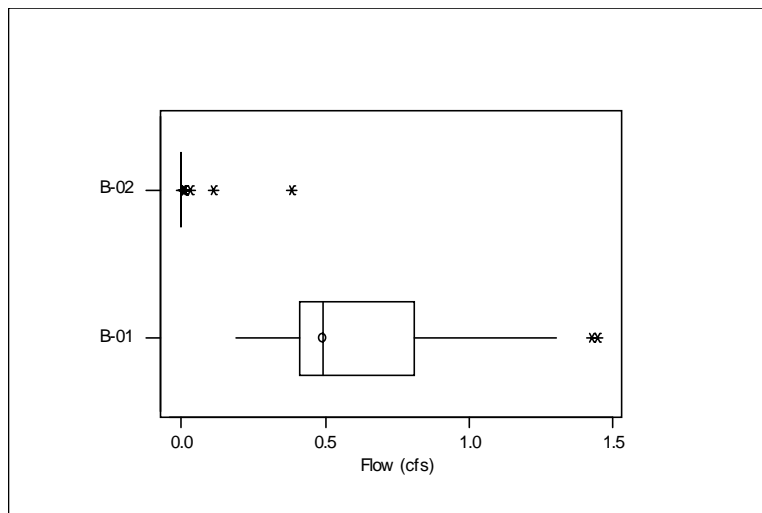
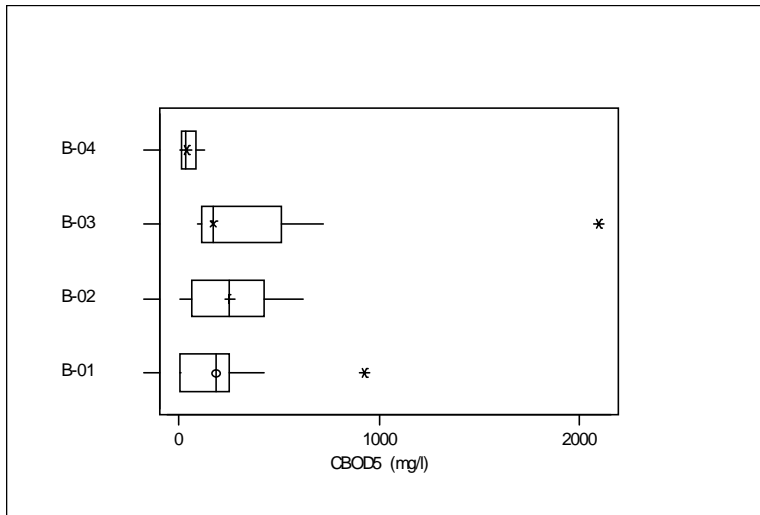


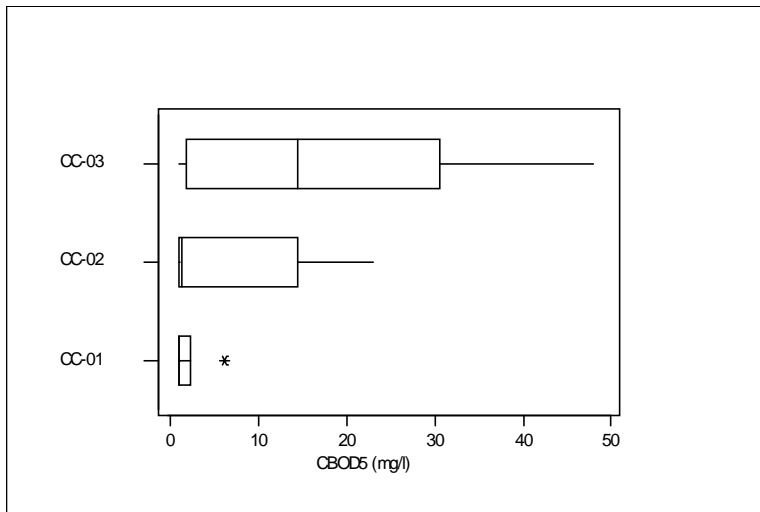
Figure 9 Flow Data from Basin Sample Sites



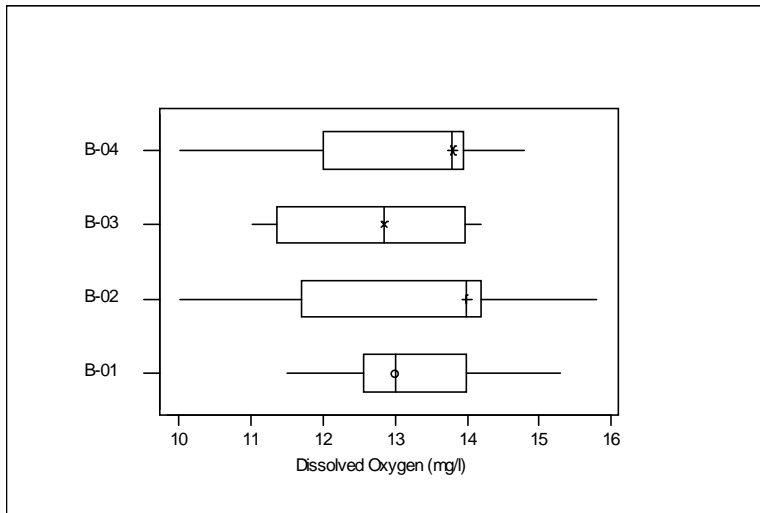
**Figure 10 CBOD Data From Basin Sample Sites**



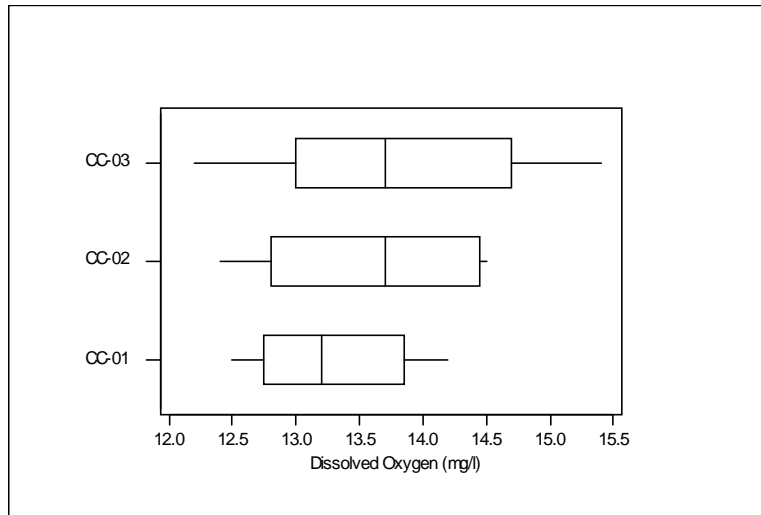
**Figure 11 CBOD Data From Chester Creek Sample Sites**



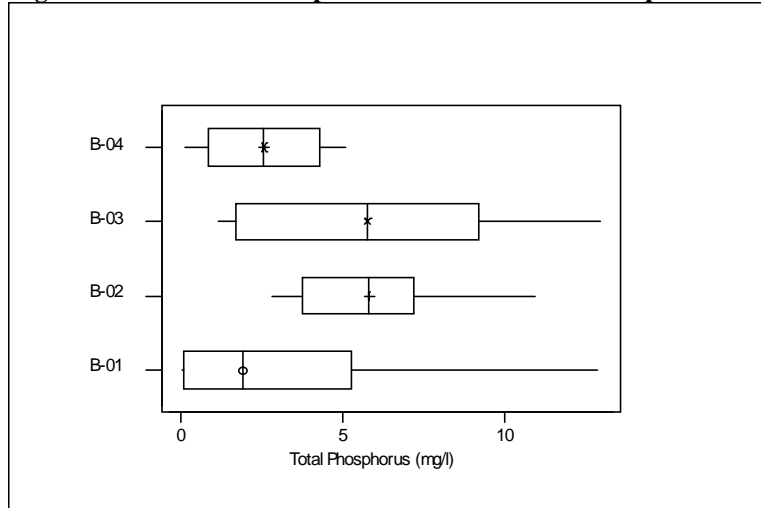
**Figure 12 Dissolved Oxygen Data from Basin Sample Sites**



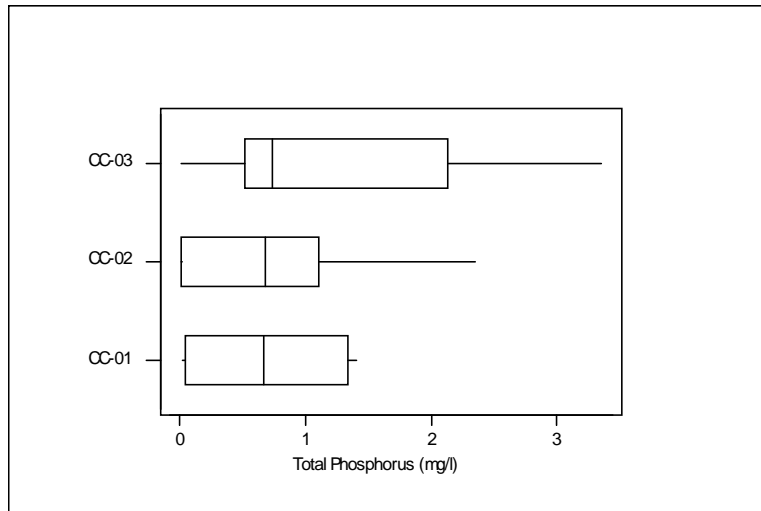
**Figure 13 Dissolved Oxygen Data from Chester Creek Sample Sites**



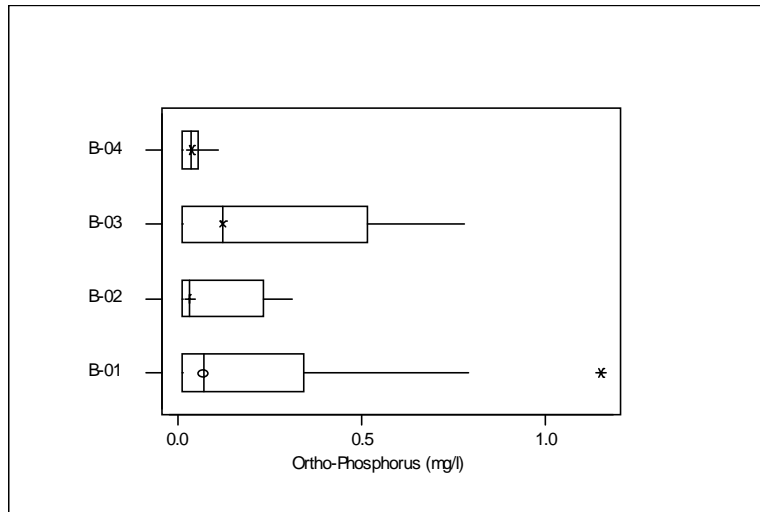
**Figure 14 Total Phosphorus Data from Basin Sample Sites**



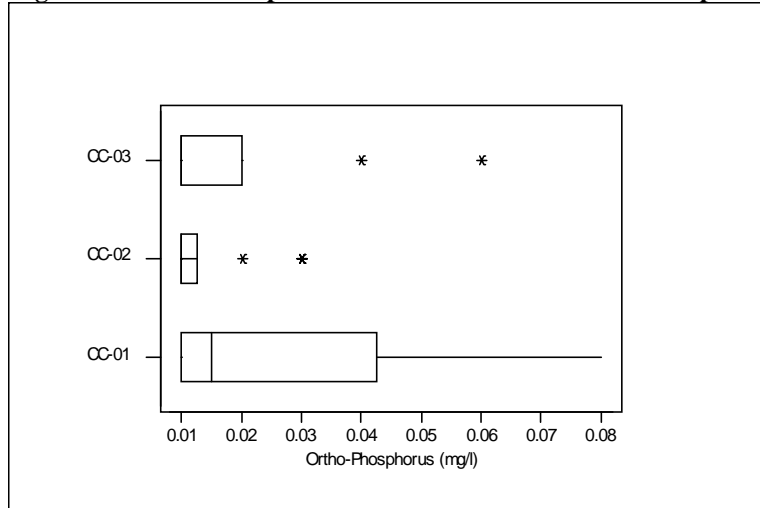
**Figure 15 Total Phosphorus Data from Chester Creek Sample Sites**



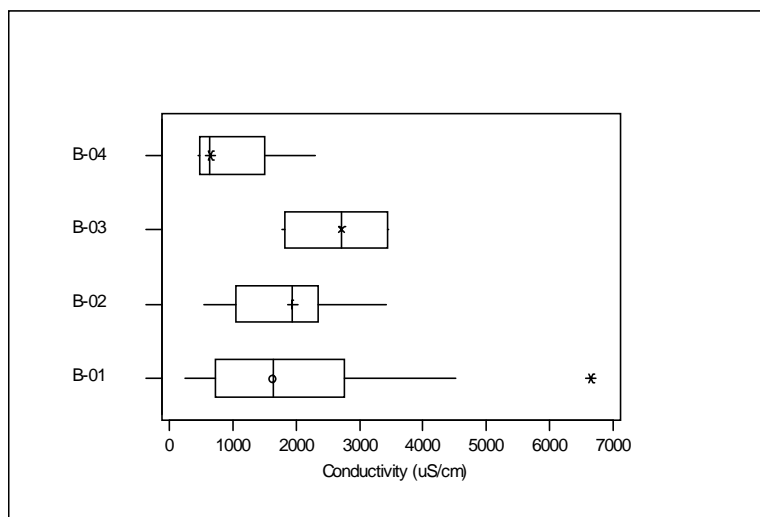
**Figure 16 Ortho-Phosphorus Data from Basin Sample Sites**



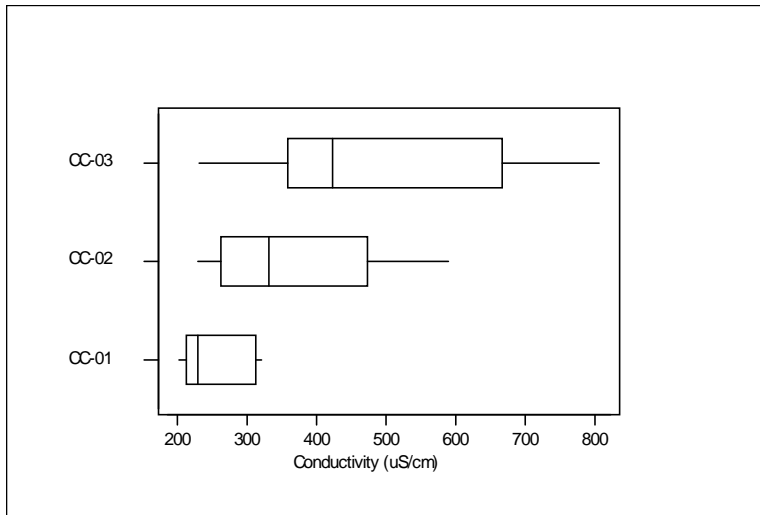
**Figure 17 Ortho-Phosphorus Data from Chester Creek Sample Sites**



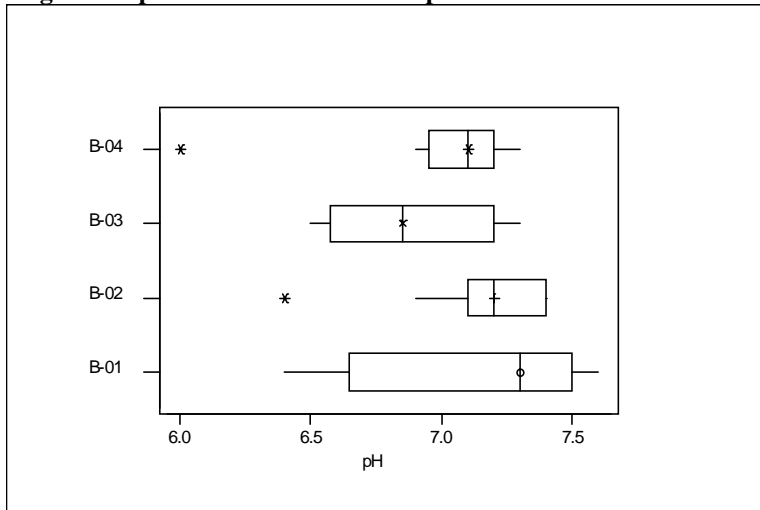
**Figure 18 Conductivity Data from Basin Sample Sites**



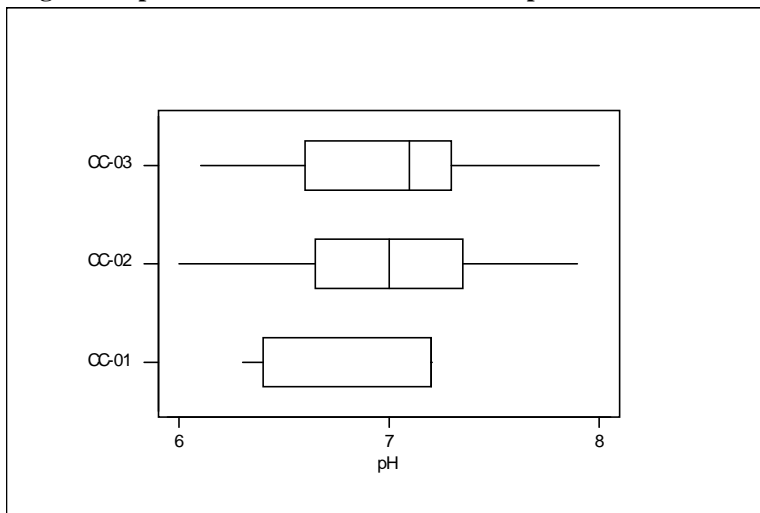
**Figure 19 Conductivity Data from Chester Creek Sample Sites**



**Figure 20 pH Data from Basin Sample Sites**

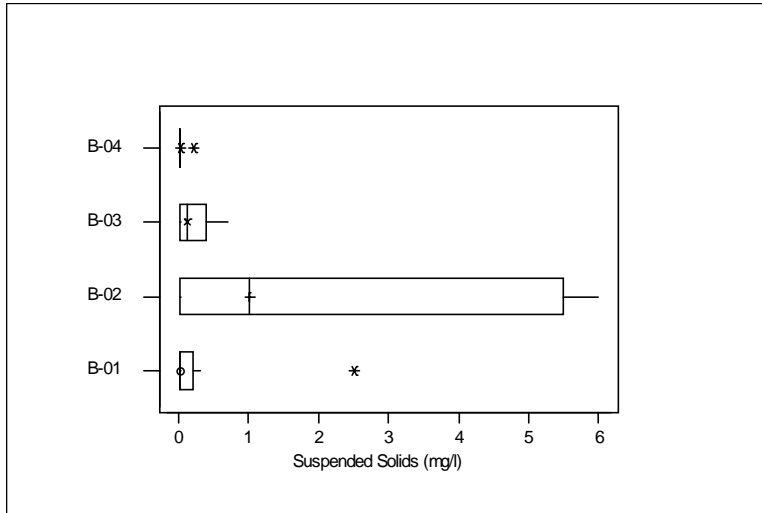


**Figure 21 pH Data from Chester Creek Sample Sites**

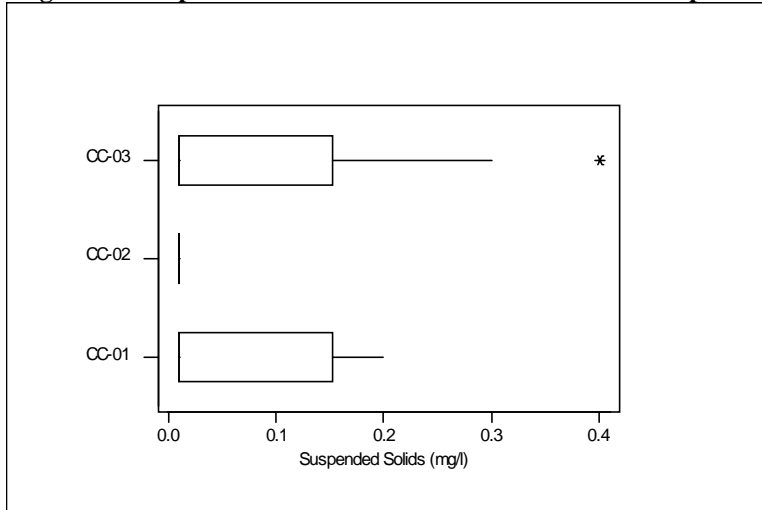




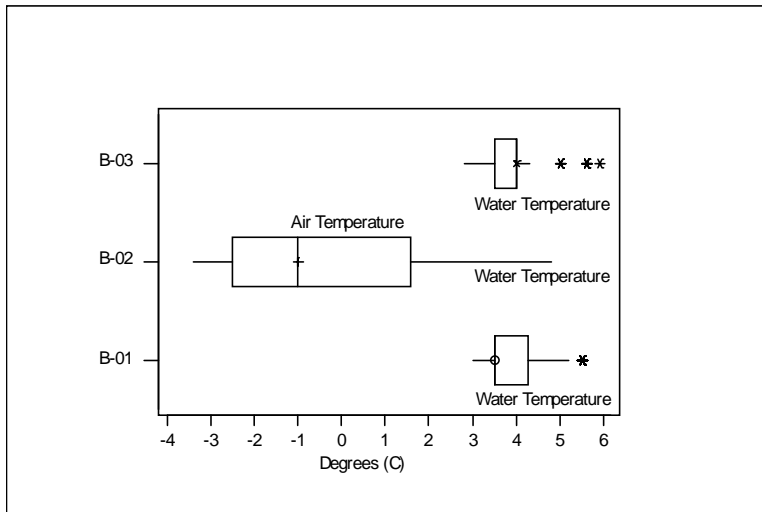
**Figure 22 Suspended Solids Data from Basin Sample Sites**



**Figure 23 Suspended Solids Data from Chester Creek Sample Sites**



**Figure 24 Temperature Data from Basin Sample Sites**



**Figure 25. Oxygen Depletion Rates for Different Analytical Methods, Sources of Water and Deicer Spikes**  
 (trend lines are average of 6 replicates each)

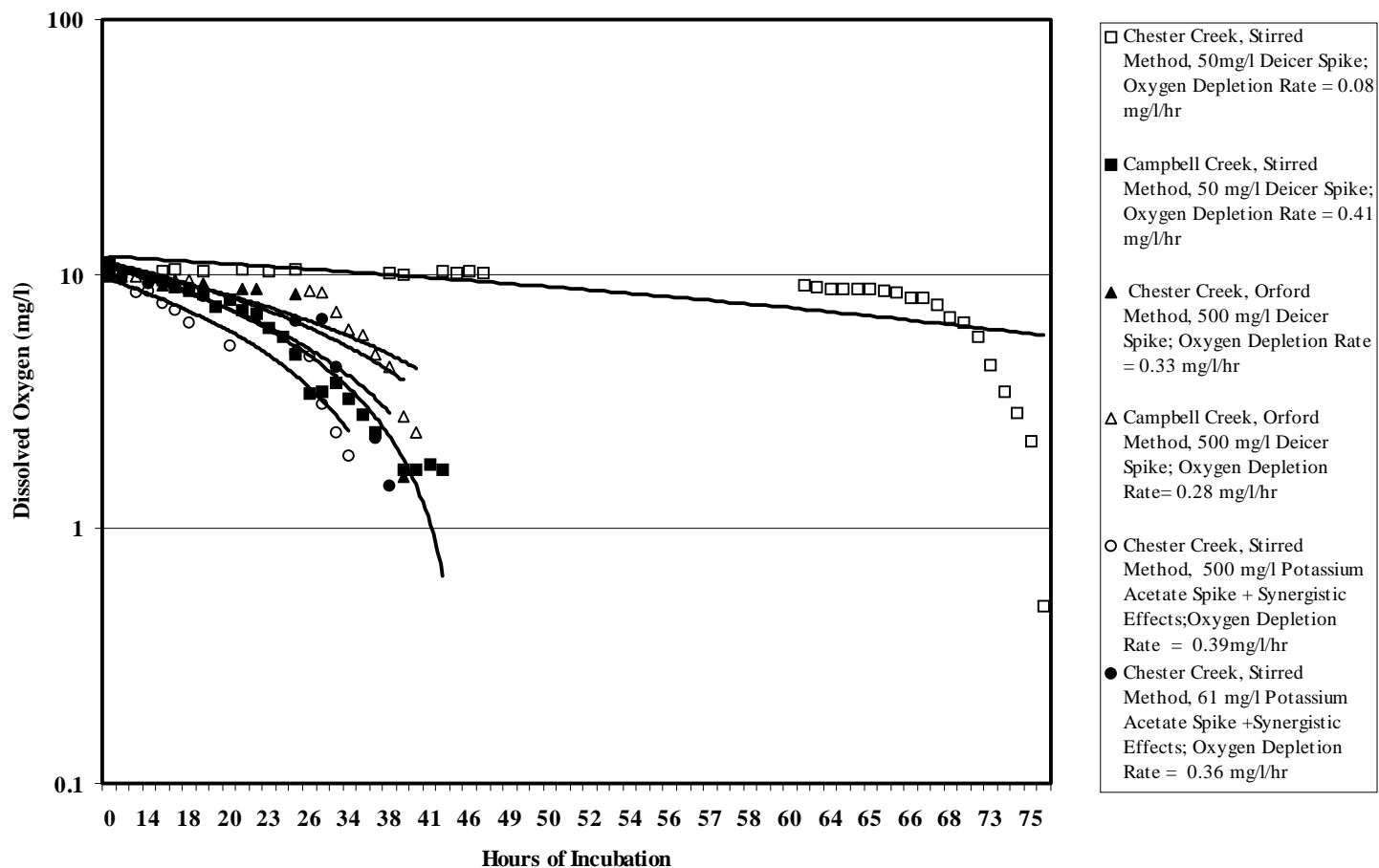
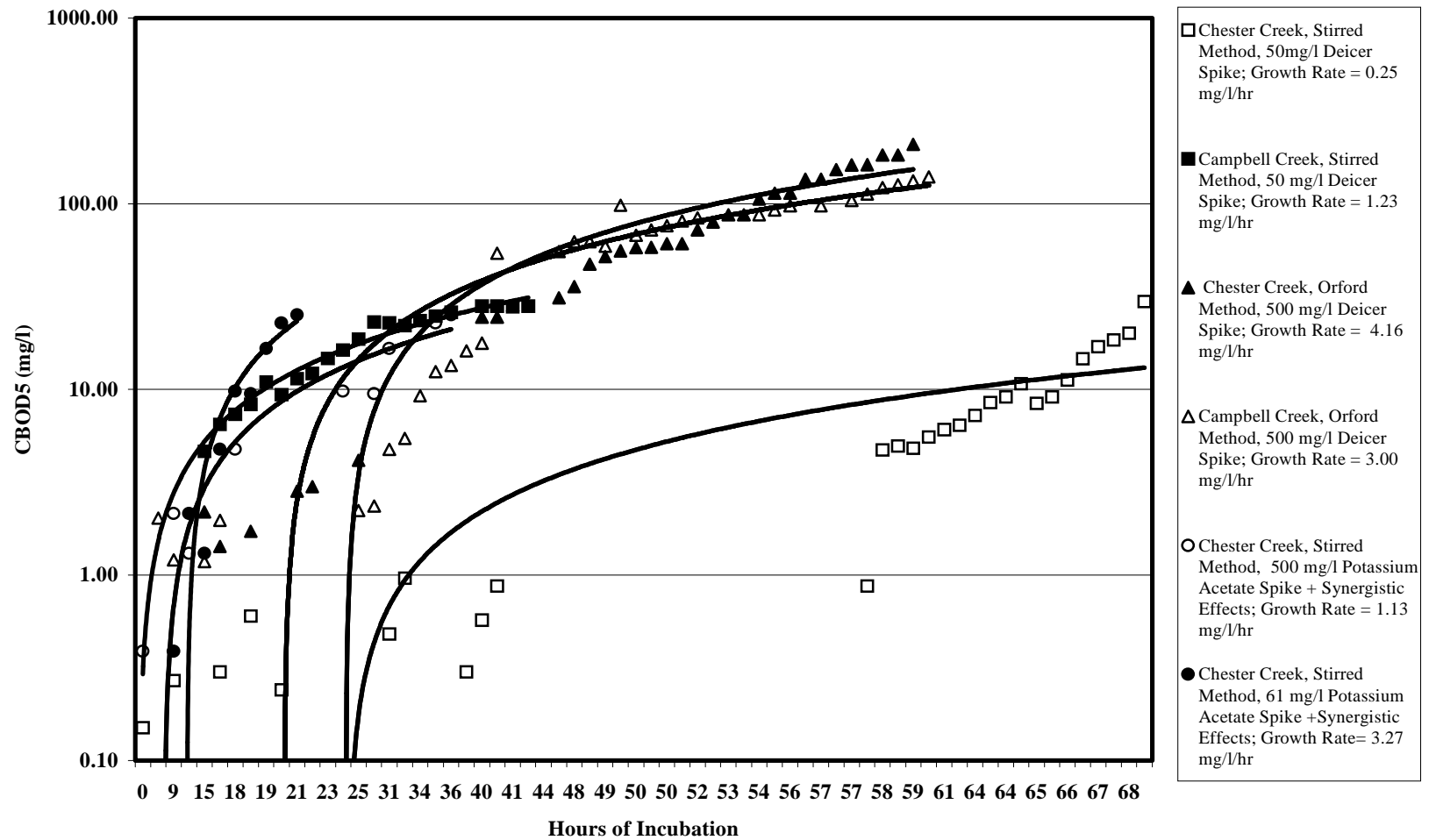
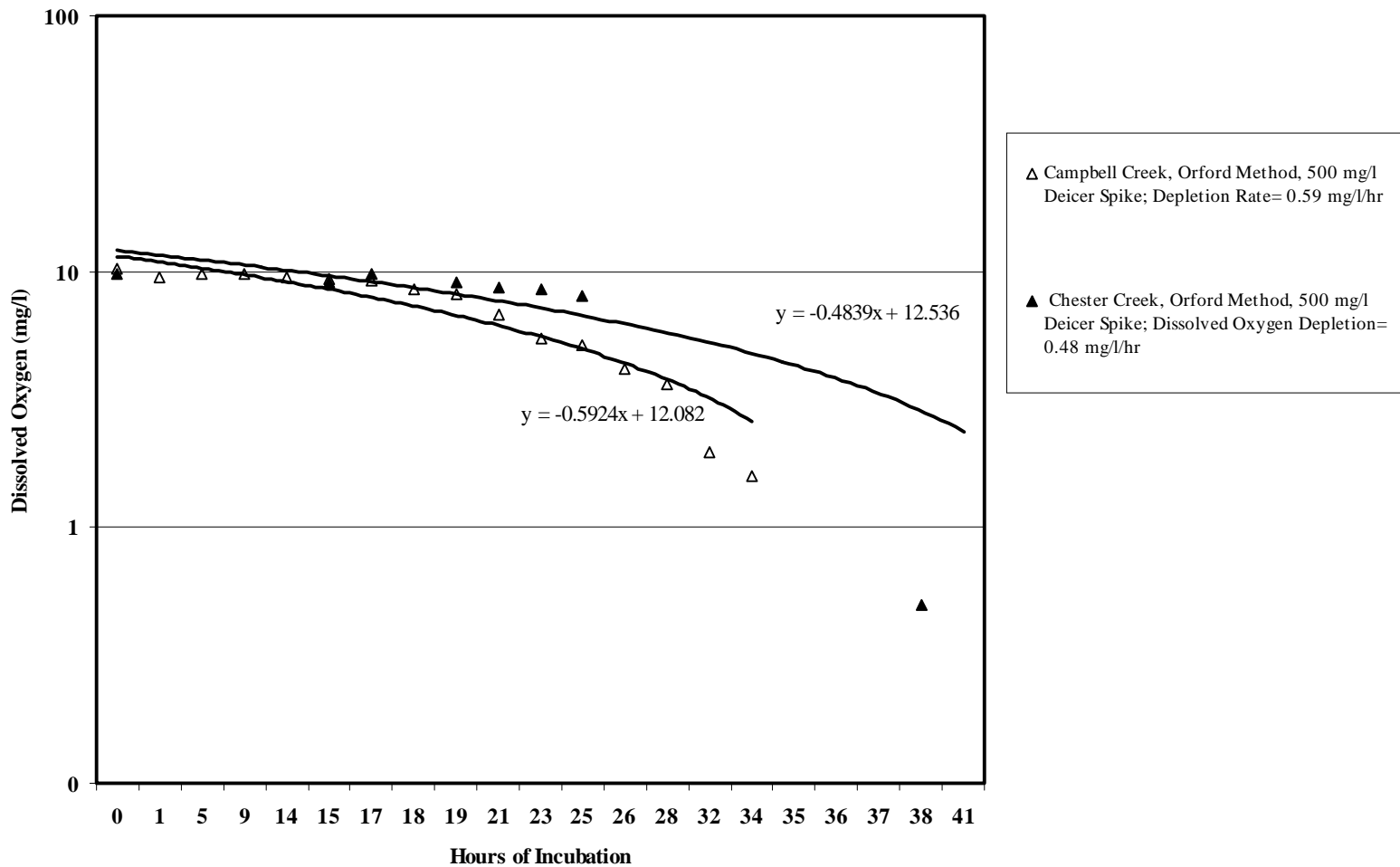


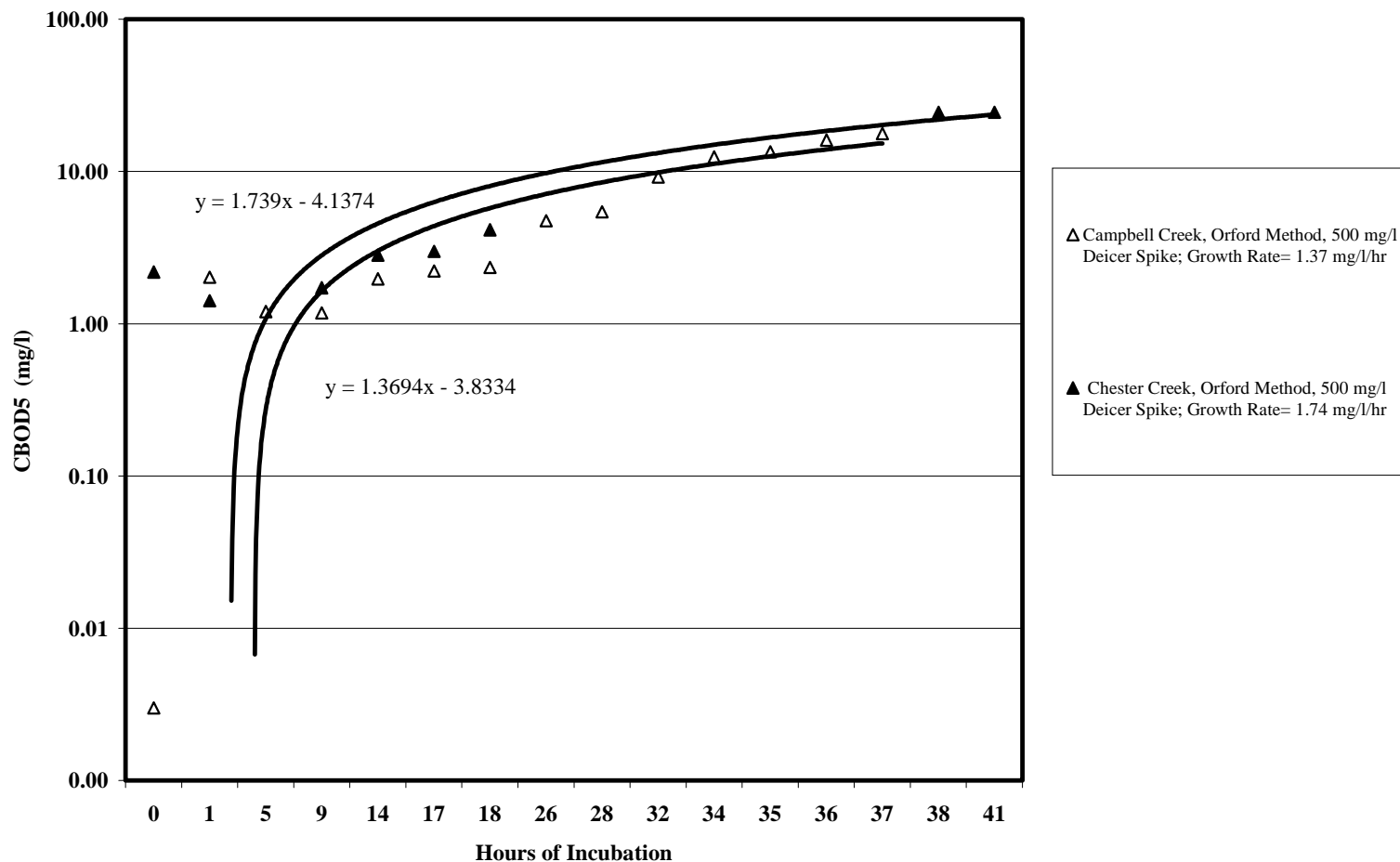
Figure 26 CBOD5 Rates for Different Analytical Methods, Water Sources and Deicer Spikes  
(trend lines are the average of 6 replicates each)



**Figure 27. Dissolved Oxygen Use Rates During Orford Method - First Interval**  
 (trend lines are average of 6 replicates each)



**Figure 28. CBOD Growth Rates During Orford Method - First Interval**  
 (trend lines are average of 6 replicates each)





## **APPENDIX A: 1996 Validated Data Tabulation**

Data set compiled and validated by:

Tim Chmielewski, Limnologist  
Water Research & Management, Inc.  
Sauk Rapids, Minnesota 56379

March 1999

**VALIDATED DATA**  
**POTASSIUM ACETATE DEICER IMPACTS AT ANCHORAGE, ALASKA: DATA REPORT**

<b>Sample_Type</b>	<b>Matrix</b>	<b>Sample_Depth</b>	<b>Sample_Meth</b>	<b>Anal_Meth</b>	<b>Par_Code</b>	<b>Units</b>	<b>MDL Par_VQ</b>	<b>QC_Note</b>
1=primary	1=water	Meters	G=grab	3=EPA 150.1 pH Electrode	EC=Conductivity	1=mg/l	Minimum 1=ND	1=valid
2=field replicate	2=snow/ice		S=field probe	10=EPA405.1 CBOD5	K=Potassium	2=ug/l	Detection 2=Entry	2=suspect
	3=sediment		V=visual	11=EPA 365.2 TP & OP	PH=pH	3=uS/cm	Limit	
			I=instantaneous	12=EPA 120.1 Conductivity Cell	A=Acetate	4=units		
			C=continuous	13=EPA 170.1 Field Thermometer	TP=Total Phosphorus	5=CFS		
			M-Daily Mean Value	14=EPA 360.1DO Probe	OP=OrthoPhosphorus	6=Celsius		
			LS=Lab Series	150=Stirred Method,CBOD5-50mg/l Deicer Spike	DO=Dissolved Oxygen	7=Meters		
				151=Stirred Method,CBOD5-61 mg/l Deicer Spike + synergistic effects	T=Temperature	8=colonies/ml		
				152=Orford Method, CBOD5- 500 mg/l Deicer Spike	CBOD5			
				153=Orford Method, CBOD5-500 mg/l Spike + Synergistic Effects	SS=Suspended Solids			
				154=EPA405.1, CBOD5-500 mg/l Deicer Spike	Flow			
				155=EPA405.1, CBOD5-1,000 mg/l Deicer Spike	B= Bacteria			
				156=EPA405.1, CBOD5-2,000 mg/l Deicer Spike				
				157=EPA405.1, CBOD5-10,000 mg/l Deicer Spike				

Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
X3	7	03/26/1996	1200		1	1	G				A	306	1				1
CC-03	11	03/27/1996	900		1	1	G				A	0.3	1				1
X5	12	03/27/1996	930		1	1	G				A	0.63	1				1
X3	7	03/26/1996	1200		1	1	G				B	1400	8				1
CC-03	11	03/04/1996	930		1	1	G				B	95	8				1
CC-03	11	03/27/1996	900		1	1	G				B	200	8				1
X5	12	03/05/1996	1430		1	1	G				B	30	8				1
X5	12	03/27/1996	930		1	1	G				B	94	8				1
B-01	1	01/26/1996	1105		1	1	G		10	CBOD5	<MDL	1	0.01				1
B-01	1	02/28/1996	1000		1	1	G		10	CBOD5	<MDL	1	0.01				1
B-01	1	03/04/1996	900		1	1	G		10	CBOD5	<MDL	1	0.01				1
B-01	1	03/05/1996	1000		1	1	G		10	CBOD5	6	1	0.01				1
B-01	1	03/11/1996	1400		1	1	G		10	CBOD5	2	1	0.01				1
B-01	1	03/13/1996	1450		1	1	G		10	CBOD5	920	1	0.01				1
B-01	1	03/13/1996	1910		1	1	G		10	CBOD5	420	1	0.01				1
B-01	1	03/14/1996	1120		1	1	G		10	CBOD5	250	1	0.01				1
B-01	1	03/14/1996	1615		1	1	G		10	CBOD5	220	1	0.01				1
B-01	1	03/14/1996	1900		1	1	G		10	CBOD5	220	1	0.01				2
B-01	1	03/15/1996	1300		1	1	G		10	CBOD5	87	1	0.01				1
B-01	1	03/15/1996	1540		1	1	G		10	CBOD5	240	1	0.01				1
B-01	1	03/15/1996	1930		1	1	G		10	CBOD5	180	1	0.01				2
B-01	1	03/22/1996	1700		1	1	G		10	CBOD5	3	1	0.01				1
B-01	1	03/24/1996	1230		1	1	G		10	CBOD5	330	1	0.01				1
B-01	1	03/24/1996	1730		1	1	G		10	CBOD5	240	1	0.01				1
B-01	1	03/24/1996	2030		1	1	G		10	CBOD5	70	1	0.01				1
B-02	2	03/13/1996	1603		1	1	G		10	CBOD5	620	1	0.01				1
B-02	2	03/13/1996	1845		1	1	G		10	CBOD5	420	1	0.01				1
B-02	2	03/14/1996	1200		1	1	G		10	CBOD5	300	1	0.01				1
B-02	2	03/14/1996	1635		1	1	G		10	CBOD5	240	1	0.01				1
B-02	2	03/14/1996	1920		1	1	G		10	CBOD5	350	1	0.01				1
B-02	2	03/15/1996	1450		1	1	G		10	CBOD5	520	1	0.01				1
B-02	2	03/15/1996	1840		1	1	G		10	CBOD5	250	1	0.01				2
B-02	2	03/22/1996	1640		1	1	G		10	CBOD5	<MDL	1	0.01				1
B-02	2	03/24/1996	1210		1	1	G		10	CBOD5	20	1	0.01				1
B-02	2	03/24/1996	1700		1	1	G		10	CBOD5	63	1	0.01				1
B-02	2	03/24/1996	2100		1	1	G		10	CBOD5	60	1	0.01				1
B-03	3	03/05/1996	900		1	1	G		10	CBOD5	<MDL	1	0.01				1
B-03	3	03/14/1996	1045		1	1	G		10	CBOD5	120	1	0.01				2
B-03	3	03/14/1996	1345		1	1	G		10	CBOD5	200	1	0.01				2
B-03	3	03/14/1996	1645		1	1	G		10	CBOD5	150	1	0.01				2
B-03	3	03/15/1996	1010		1	1	G		10	CBOD5	86	1	0.01				2
B-03	3	03/15/1996	1310		1	1	G		10	CBOD5	88	1	0.01				1
B-03	3	03/15/1996	1610		1	1	G		10	CBOD5	170	1	0.01				2



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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-03	3	03/24/1996	1045		1	1	G			10	CBOD5	720	1	0.01			1
B-03	3	03/24/1996	1045		1	1	G			10	CBOD5	170	1	0.01			1
B-03	3	03/24/1996	1345		1	1	G			10	CBOD5	2100	1	0.01			1
B-03	3	03/24/1996	1645		1	1	G			10	CBOD5	440	1	0.01			1
B-04	4	03/05/1996	930		1	1	G			10	CBOD5	<MDL	1	0.01			1
B-04	4	03/14/1996	1450		1	1	G			10	CBOD5	80	1	0.01			2
B-04	4	03/14/1996	1945		1	1	G			10	CBOD5	82	1	0.01			2
B-04	4	03/15/1996	1115		1	1	G			10	CBOD5	17	1	0.01			2
B-04	4	03/15/1996	1420		1	1	G			10	CBOD5	120	1	0.01			2
B-04	4	03/15/1996	1910		1	1	G			10	CBOD5	35	1	0.01			2
B-04	4	03/22/1996	1750		1	1	G			10	CBOD5	7	1	0.01			1
B-04	4	03/24/1996	1145		1	1	G			10	CBOD5	6	1	0.01			1
B-04	4	03/24/1996	1800		1	1	G			10	CBOD5	40	1	0.01			1
B-04	4	03/24/1996	2015		1	1	G			10	CBOD5	30	1	0.01			1
X1	5	03/05/1996	1530		1	1	G			10	CBOD5	580	1	0.01			1
X1	5	03/11/1996	1300		1	1	G			10	CBOD5	970	1	0.01			1
X2	6	03/11/1996	1330		1	1	G			10	CBOD5	360	1	0.01			1
X2	6	03/13/1996	1520		1	1	G			10	CBOD5	750	1	0.01			1
X3	7	03/13/1996	1550		1	1	G			10	CBOD5	2000	1	0.01			1
X4	8	03/13/1996	2015		1	1	G			10	CBOD5	220	1	0.01			1
CC-01	9	01/17/1996	1130		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-01	9	03/05/1996	1100		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-01	9	03/22/1996	1830		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-01	9	03/24/1996	1330		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-01	9	03/24/1996	1630		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-01	9	03/24/1996	1930		1	1	0.5 G			10	CBOD5	6	1	0.01			1
CC-02	10	01/17/1996	1400		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-02	10	03/05/1996	1130		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-02	10	03/13/1996	1635		1	1	0.5 G			10	CBOD5	14	1	0.01			2
CC-02	10	03/13/1996	2000		1	1	0.5 G			10	CBOD5	16	1	0.01			2
CC-02	10	03/14/1996	1225		1	1	0.5 G			10	CBOD5	2	1	0.01			1
CC-02	10	03/14/1996	1705		1	1	0.5 G			10	CBOD5	20	1	0.01			2
CC-02	10	03/14/1996	2005		1	1	0.5 G			10	CBOD5	23	1	0.01			2
CC-02	10	03/15/1996	1210		1	1	0.5 G			10	CBOD5	1.5	1	0.01			2
CC-02	10	03/15/1996	1440		1	1	0.5 G			10	CBOD5	1.5	1	0.01			2
CC-02	10	03/15/1996	1830		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-02	10	03/22/1996	1815		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-02	10	03/24/1996	1345		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-02	10	03/24/1996	1605		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-02	10	03/24/1996	1945		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-03	11	01/17/1996	1500		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-03	11	03/04/1996	930		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
CC-03	11	03/13/1996	1620		1	1	0.5 G			10	CBOD5	48	1	0.01			1
CC-03	11	03/13/1996	1940		1	1	0.5 G			10	CBOD5	32	1	0.01			2
CC-03	11	03/14/1996	1215		1	1	0.5 G			10	CBOD5	8	1	0.01			1
CC-03	11	03/14/1996	1645		1	1	0.5 G			10	CBOD5	30	1	0.01			2
CC-03	11	03/14/1996	1935		1	1	0.5 G			10	CBOD5	40	1	0.01			2
CC-03	11	03/15/1996	1145		1	1	0.5 G			10	CBOD5	4.3	1	0.01			1
CC-03	11	03/15/1996	1520		1	1	0.5 G			10	CBOD5	20	1	0.01			1
CC-03	11	03/15/1996	1810		1	1	0.5 G			10	CBOD5	18	1	0.01			2
CC-03	11	03/15/1996	1741		1	1	0.5 G			10	CBOD5	2	1	0.01			1
CC-03	11	03/24/1996	1400		1	1	0.5 G			10	CBOD5	17	1	0.01			1
CC-03	11	03/24/1996	1600		1	1	0.5 G			10	CBOD5	12	1	0.01			1
CC-03	11	03/24/1996	2000		1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
X5	12	03/05/1996	1430		1	1	G			10	CBOD5	<MDL	1	0.01			1
UL-01	13	01/17/1996			1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
UL-01	13	04/04/1996			1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
UL-02	14	01/17/1996			1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
WC-01	15	04/04/1996			1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
WC-02	16	01/18/1996			1	1	0.5 G			10	CBOD5	<MDL	1	0.01			1
SBI-01	18	02/06/1996	200		1	2	GC			10	CBOD5	420	1	0.01			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
SBN-01	19	02/06/1996	200	2	2		GC			10	CBOD5	391	1	0.01			1
SBI-02	20	02/08/1996	900	1	2		GC			10	CBOD5	201	1	0.01			1
SBI-02	20	02/28/1996	1030	1	2		GC			10	CBOD5	100	1	0.01			1
SBN-02	21	02/08/1996	900	2	2		GC			10	CBOD5	180	1	0.01			1
SBN-02	21	02/28/1996	1030	2	2		GC			10	CBOD5	73	1	0.01			1
B-01	1	01/26/1996	1105	1	1		G			14	DO	13.00	1	0.1			1
B-01	1	03/13/1996	1450	1	1		G			14	DO	15.30	1	0.1			1
B-01	1	03/13/1996	1910	1	1		G			14	DO	13.00	1	0.1			1
B-01	1	03/14/1996	1120	1	1		G			14	DO	13.60	1	0.1			1
B-01	1	03/14/1996	1615	1	1		G			14	DO	14.20	1	0.1			1
B-01	1	03/14/1996	1900	1	1		G			14	DO	14.00	1	0.1			1
B-01	1	03/15/1996	1300	1	1		G			14	DO	12.50	1	0.1			1
B-01	1	03/15/1996	1540	1	1		G			14	DO	13.80	1	0.1			1
B-01	1	03/15/1996	1930	1	1		G			14	DO	14.00	1	0.1			1
B-01	1	03/22/1996	1700	1	1		G			14	DO	12.80	1	0.1			1
B-01	1	03/24/1996	1230	1	1		G			14	DO	11.50	1	0.1			1
B-01	1	03/24/1996	1730	1	1		G			14	DO	12.60	1	0.1			1
B-01	1	03/24/1996	2030	1	1		G			14	DO	11.80	1	0.1			1
B-02	2	03/13/1996	1603	1	1		G			14	DO	15.80	1	0.1			1
B-02	2	03/13/1996	1845	1	1		G			14	DO	14.00	1	0.1			1
B-02	2	03/14/1996	1200	1	1		G			14	DO	13.00	1	0.1			1
B-02	2	03/14/1996	1635	1	1		G			14	DO	14.20	1	0.1			1
B-02	2	03/14/1996	1920	1	1		G			14	DO	14.20	1	0.1			1
B-02	2	03/15/1996	1450	1	1		G			14	DO	14.20	1	0.1			1
B-02	2	03/15/1996	1840	1	1		G			14	DO	14.80	1	0.1			1
B-02	2	03/22/1996	1640	1	1		G			14	DO	11.70	1	0.1			1
B-02	2	03/24/1996	1210	1	1		G			14	DO	10.00	1	0.1			1
B-02	2	03/24/1996	1700	1	1		G			14	DO	12.60	1	0.1			1
B-02	2	03/24/1996	2100	1	1		G			14	DO	11.40	1	0.1			1
B-03	3	03/14/1996	1045	1	1		G			14	DO	12.40	1	0.1			1
B-03	3	03/14/1996	1645	1	1		G			14	DO	14.20	1	0.1			1
B-03	3	03/15/1996	1610	1	1		G			14	DO	13.30	1	0.1			1
B-03	3	03/24/1996	1045	1	1		G			14	DO	11.00	1	0.1			1
B-04	4	03/14/1996	1450	1	1		G			14	DO	13.90	1	0.1			1
B-04	4	03/14/1996	1945	1	1		G			14	DO	13.80	1	0.1			1
B-04	4	03/15/1996	1115	1	1		G			14	DO	13.90	1	0.1			1
B-04	4	03/15/1996	1420	1	1		G			14	DO	14.00	1	0.1			1
B-04	4	03/15/1996	1910	1	1		G			14	DO	14.80	1	0.1			1
B-04	4	03/22/1996	1750	1	1		G			14	DO	13.40	1	0.1			1
B-04	4	03/24/1996	1145	1	1		G			14	DO	10.00	1	0.1			1
B-04	4	03/24/1996	1800	1	1		G			14	DO	12.40	1	0.1			1
B-04	4	03/24/1996	2015	1	1		G			14	DO	11.60	1	0.1			1
X2	6	03/13/1996	1520	1	1		G			14	DO	14.60	1	0.1			1
X3	7	03/13/1996	1550	1	1		G			14	DO	16.50	1	0.1			2
X4	8	03/13/1996	2015	1	1		G			14	DO	14.60	1	0.1			1
CC-01	9	01/17/1996	1130	1	1	0.5	G			14	DO	14.20	1	0.1			1
CC-01	9	03/22/1996	1830	1	1	0.5	G			14	DO	13.50	1	0.1			1
CC-01	9	03/24/1996	1330	1	1	0.5	G			14	DO	13.00	1	0.1			1
CC-01	9	03/24/1996	1630	1	1	0.5	G			14	DO	12.50	1	0.1			1
CC-01	9	03/24/1996	1930	1	1	0.5	G			14	DO	13.20	1	0.1			1
CC-02	10	01/17/1996	1400	1	1	0.5	G			14	DO	13.00	1	0.1			1
CC-02	10	03/13/1996	1635	1	1	0.5	G			14	DO	14.40	1	0.1			1
CC-02	10	03/13/1996	2000	1	1	0.5	G			14	DO	14.50	1	0.1			1
CC-02	10	03/14/1996	1225	1	1	0.5	G			14	DO	14.50	1	0.1			1
CC-02	10	03/14/1996	1705	1	1	0.5	G			14	DO	13.70	1	0.1			1
CC-02	10	03/14/1996	2005	1	1	0.5	G			14	DO	13.00	1	0.1			1
CC-02	10	03/15/1996	1210	1	1	0.5	G			14	DO	14.50	1	0.1			1
CC-02	10	03/15/1996	1440	1	1	0.5	G			14	DO	14.20	1	0.1			1
CC-02	10	03/15/1996	1830	1	1	0.5	G			14	DO	13.80	1	0.1			1
CC-02	10	03/22/1996	1815	1	1	0.5	G			14	DO	13.40	1	0.1			1
CC-02	10	03/24/1996	1345	1	1	0.5	G			14	DO	12.60	1	0.1			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-02	10	03/24/1996	1605		1	1	0.5 G			14	DO	12.40	1	0.1			1
CC-02	10	03/24/1996	1945		1	1	0.5 G			14	DO	12.50	1	0.1			1
CC-03	11	01/17/1996	1500		1	1	0.5 G			14	DO	13.50	1	0.1			1
CC-03	11	02/06/1996	1500		1	1	LS			154	DO	9.60	1	0.10			1
CC-03	11	02/06/1996	1500		2	1	LS			154	DO	9.63	1	0.10			1
CC-03	11	02/06/1996	1500		1	1	LS			155	DO	9.68	1	0.10			1
CC-03	11	02/06/1996	1600		1	1	LS			155	DO	9.86	1	0.10			1
CC-03	11	02/06/1996	2030		1	1	LS			155	DO	9.64	1	0.10			1
CC-03	11	02/06/1996	1500		2	1	LS			155	DO	9.66	1	0.10			1
CC-03	11	02/06/1996	1600		2	1	LS			155	DO	9.79	1	0.10			1
CC-03	11	02/06/1996	1500		1	1	LS			156	DO	9.32	1	0.10			1
CC-03	11	02/06/1996	1600		1	1	LS			156	DO	9.30	1	0.10			1
CC-03	11	02/06/1996	2030		1	1	LS			156	DO	9.23	1	0.10			1
CC-03	11	02/06/1996	1500		2	1	LS			156	DO	9.35	1	0.10			1
CC-03	11	02/06/1996	1600		2	1	LS			156	DO	9.40	1	0.10			1
CC-03	11	02/06/1996	2030		2	1	LS			156	DO	9.25	1	0.10			1
CC-03	11	02/07/1996	2100		1	1	LS			154	DO	9.11	1	0.10			1
CC-03	11	02/07/1996	2100		2	1	LS			154	DO	9.43	1	0.10			1
CC-03	11	02/07/1996	2100		1	1	LS			155	DO	9.57	1	0.10			1
CC-03	11	02/07/1996	900		2	1	LS			155	DO	9.55	1	0.10			1
CC-03	11	02/07/1996	1300		2	1	LS			155	DO	9.64	1	0.10			1
CC-03	11	02/07/1996	2100		2	1	LS			155	DO	9.32	1	0.10			1
CC-03	11	02/07/1996	900		1	1	LS			156	DO	9.42	1	0.10			1
CC-03	11	02/07/1996	1300		1	1	LS			156	DO	9.14	1	0.10			1
CC-03	11	02/07/1996	2100		1	1	LS			156	DO	8.84	1	0.10			1
CC-03	11	02/07/1996	900		2	1	LS			156	DO	9.25	1	0.10			1
CC-03	11	02/07/1996	1300		2	1	LS			156	DO	9.49	1	0.10			1
CC-03	11	02/07/1996	2100		2	1	LS			156	DO	9.13	1	0.10			1
CC-03	11	02/08/1996	700		1	1	LS			154	DO	1.00	1	0.10			1
CC-03	11	02/08/1996	1000		1	1	LS			154	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	700		2	1	LS			154	DO	5.70	1	0.10			1
CC-03	11	02/08/1996	1000		2	1	LS			154	DO	1.15	1	0.10			1
CC-03	11	02/08/1996	1130		2	1	LS			154	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	700		1	1	LS			155	DO	8.40	1	0.10			1
CC-03	11	02/08/1996	1000		1	1	LS			155	DO	7.28	1	0.10			1
CC-03	11	02/08/1996	1130		1	1	LS			155	DO	6.46	1	0.10			1
CC-03	11	02/08/1996	1515		1	1	LS			155	DO	3.32	1	0.10			1
CC-03	11	02/08/1996	1630		1	1	LS			155	DO	1.92	1	0.10			1
CC-03	11	02/08/1996	700		2	1	LS			155	DO	0.80	1	0.10			1
CC-03	11	02/08/1996	1000		2	1	LS			155	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	700		1	1	LS			156	DO	<1.0	1	0.10			2
CC-03	11	02/08/1996	700		2	1	LS			156	DO	5.14	1	0.10			1
CC-03	11	02/08/1996	1000		2	1	LS			156	DO	<1.0	1	0.10			2
CC-03	11	02/20/1996	1000		1	1	LS			154	DO	10.38	1	0.10			1
CC-03	11	02/20/1996	1230		1	1	LS			154	DO	10.44	1	0.10			1
CC-03	11	02/20/1996	1630		1	1	LS			154	DO	10.47	1	0.10			1
CC-03	11	02/20/1996	2200		1	1	LS			154	DO	10.06	1	0.10			1
CC-03	11	02/20/1996	1000		2	1	LS			154	DO	11.23	1	0.10			1
CC-03	11	02/20/1996	1230		2	1	LS			154	DO	10.90	1	0.10			1
CC-03	11	02/20/1996	1630		2	1	LS			154	DO	10.75	1	0.10			1
CC-03	11	02/20/1996	2200		2	1	LS			154	DO	10.31	1	0.10			1
CC-03	11	02/20/1996	1000		1	1	LS			156	DO	11.29	1	0.10			1
CC-03	11	02/20/1996	1230		1	1	LS			156	DO	10.39	1	0.10			1
CC-03	11	02/20/1996	1630		1	1	LS			156	DO	9.68	1	0.10			1
CC-03	11	02/20/1996	2200		1	1	LS			156	DO	9.59	1	0.10			1
CC-03	11	02/20/1996	1000		2	1	LS			156	DO	11.15	1	0.10			1
CC-03	11	02/20/1996	1230		2	1	LS			156	DO	10.38	1	0.10			1
CC-03	11	02/20/1996	1630		2	1	LS			156	DO	9.94	1	0.10			1
CC-03	11	02/20/1996	2200		2	1	LS			156	DO	9.66	1	0.10			1
CC-03	11	02/20/1996	1000		1	1	LS			157	DO	11.36	1	0.10			1
CC-03	11	02/20/1996	1230		1	1	LS			157	DO	11.08	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	02/20/1996	1630	1	1		LS			157	DO	9.97	1	0.10			1
CC-03	11	02/20/1996	2200	1	1		LS			157	DO	9.73	1	0.10			1
CC-03	11	02/20/1996	1000	2	1		LS			157	DO	11.38	1	0.10			1
CC-03	11	02/20/1996	1230	2	1		LS			157	DO	10.78	1	0.10			1
CC-03	11	02/20/1996	1630	2	1		LS			157	DO	10.05	1	0.10			1
CC-03	11	02/20/1996	2200	2	1		LS			157	DO	9.99	1	0.10			1
CC-03	11	02/21/1996	930	1	1		LS			154	DO	8.23	1	0.10			1
CC-03	11	02/21/1996	1130	1	1		LS			154	DO	5.40	1	0.10			1
CC-03	11	02/21/1996	1230	1	1		LS			154	DO	2.57	1	0.10			1
CC-03	11	02/21/1996	1330	1	1		LS			154	DO	1.60	1	0.10			1
CC-03	11	02/21/1996	1400	1	1		LS			154	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	930	2	1		LS			154	DO	7.30	1	0.10			1
CC-03	11	02/21/1996	1130	2	1		LS			154	DO	2.72	1	0.10			1
CC-03	11	02/21/1996	1230	2	1		LS			154	DO	<1.0	1	0.10			1
CC-03	11	02/21/1996	930	1	1		LS			156	DO	<1.0	1	0.10			1
CC-03	11	02/21/1996	930	2	1		LS			156	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	930	1	1		LS			157	DO	<1.0	1	0.10			2
CC-03	11	02/21/1996	930	2	1		LS			157	DO	6.49	1	0.10			1
CC-03	11	02/21/1996	1130	2	1		LS			157	DO	<1.0	1	0.10			2
CC-03	11	03/05/1996	1800	2	1		LS		181	150	DO	10.09	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		7	150	DO	10.11	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		107	150	DO	10.12	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		203	150	DO	10.10	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		202	150	DO	10.08	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		192	150	DO	10.10	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		40	152	DO	9.58	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		44	152	DO	9.58	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		11	152	DO	9.59	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		160	152	DO	9.66	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		32	152	DO	10.05	1	0.10			1
CC-03	11	03/05/1996	1800	2	1		LS		190	152	DO	10.07	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		181	150	DO	9.98	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		181	150	DO	10.35	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		181	150	DO	10.31	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		181	150	DO	10.30	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		181	150	DO	10.20	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		181	150	DO	10.32	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		7	150	DO	10.34	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		7	150	DO	10.44	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		7	150	DO	10.32	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		7	150	DO	10.34	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		7	150	DO	10.34	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		7	150	DO	10.43	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		107	150	DO	10.21	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		107	150	DO	10.48	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		107	150	DO	10.48	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		107	150	DO	10.63	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		107	150	DO	10.23	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		107	150	DO	10.39	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		203	150	DO	10.44	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		203	150	DO	10.55	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		203	150	DO	10.05	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		203	150	DO	10.43	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		203	150	DO	10.38	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		203	150	DO	10.33	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		202	150	DO	9.98	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		202	150	DO	10.32	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		202	150	DO	10.38	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		202	150	DO	10.53	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		202	150	DO	10.30	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		202	150	DO	10.48	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/06/1996	830	2	1		LS		192	150	DO	10.34	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		192	150	DO	10.56	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		192	150	DO	10.34	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		192	150	DO	10.50	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		192	150	DO	10.40	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		192	150	DO	10.21	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		40	152	DO	8.80	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		40	152	DO	8.98	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		40	152	DO	9.04	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		40	152	DO	8.62	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		40	152	DO	8.92	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		40	152	DO	8.79	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		44	152	DO	9.22	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		44	152	DO	9.63	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		44	152	DO	9.59	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		44	152	DO	9.37	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		44	152	DO	9.42	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		44	152	DO	9.49	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		11	152	DO	9.04	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		11	152	DO	9.39	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		11	152	DO	9.30	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		11	152	DO	8.99	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		11	152	DO	9.27	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		11	152	DO	9.04	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		160	152	DO	9.04	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		160	152	DO	9.63	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		160	152	DO	9.46	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		160	152	DO	9.20	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		160	152	DO	9.28	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		160	152	DO	8.96	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		32	152	DO	9.08	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		32	152	DO	9.03	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		32	152	DO	8.56	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		32	152	DO	7.66	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		32	152	DO	6.43	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		32	152	DO	4.04	1	0.10			1
CC-03	11	03/06/1996	830	2	1		LS		190	152	DO	9.01	1	0.10			1
CC-03	11	03/06/1996	1030	2	1		LS		190	152	DO	9.06	1	0.10			1
CC-03	11	03/06/1996	1230	2	1		LS		190	152	DO	9.17	1	0.10			1
CC-03	11	03/06/1996	1430	2	1		LS		190	152	DO	9.08	1	0.10			1
CC-03	11	03/06/1996	1630	2	1		LS		190	152	DO	9.26	1	0.10			1
CC-03	11	03/06/1996	1830	2	1		LS		190	152	DO	9.96	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		181	150	DO	10.24	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		181	150	DO	10.08	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		181	150	DO	10.43	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		181	150	DO	10.30	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		181	150	DO	10.21	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		181	150	DO	10.11	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		7	150	DO	10.24	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		7	150	DO	10.07	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		7	150	DO	10.44	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		7	150	DO	10.24	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		7	150	DO	10.32	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		7	150	DO	9.93	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		107	150	DO	10.07	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		107	150	DO	9.96	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		107	150	DO	10.02	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		107	150	DO	10.09	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		107	150	DO	9.99	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		107	150	DO	10.18	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		203	150	DO	10.14	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/07/1996	1030	2	1		LS		203	150	DO	9.88	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		203	150	DO	10.22	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		203	150	DO	10.19	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		203	150	DO	10.21	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		203	150	DO	10.42	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		202	150	DO	10.09	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		202	150	DO	9.94	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		202	150	DO	10.42	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		202	150	DO	10.13	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		202	150	DO	10.34	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		202	150	DO	9.73	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		192	150	DO	9.96	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		192	150	DO	9.92	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		192	150	DO	10.41	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		192	150	DO	10.18	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		192	150	DO	10.21	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		192	150	DO	10.31	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		40	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		40	152	DO	13.11	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		40	152	DO	11.58	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		40	152	DO	10.62	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		40	152	DO	9.12	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		40	152	DO	4.34	1	0.10			1
CC-03	11	03/07/1996	1900	2	1		LS		40	152	DO	2.52	1	0.10			1
CC-03	11	03/07/1996	1920	2	1		LS		40	152	DO	1.16	1	0.10			1
CC-03	11	03/07/1996	1940	2	1		LS		40	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	2015	2	1		LS		40	152	DO	10.31	1	0.10			1
CC-03	11	03/07/1996	2205	2	1		LS		40	152	DO	6.55	1	0.10			1
CC-03	11	03/07/1996	2245	2	1		LS		40	152	DO	4.07	1	0.10			1
CC-03	11	03/07/1996	2325	2	1		LS		40	152	DO	1.91	1	0.10			1
CC-03	11	03/07/1996	2400	2	1		LS		40	152	DO	10.46	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		44	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		44	152	DO	13.08	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		44	152	DO	12.57	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		44	152	DO	11.11	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		44	152	DO	9.13	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		44	152	DO	4.63	1	0.10			1
CC-03	11	03/07/1996	1900	2	1		LS		44	152	DO	2.93	1	0.10			1
CC-03	11	03/07/1996	1920	2	1		LS		44	152	DO	1.67	1	0.10			1
CC-03	11	03/07/1996	1940	2	1		LS		44	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	2015	2	1		LS		44	152	DO	10.33	1	0.10			1
CC-03	11	03/07/1996	2205	2	1		LS		44	152	DO	6.56	1	0.10			1
CC-03	11	03/07/1996	2245	2	1		LS		44	152	DO	4.06	1	0.10			1
CC-03	11	03/07/1996	2325	2	1		LS		44	152	DO	1.50	1	0.10			1
CC-03	11	03/07/1996	2400	2	1		LS		44	152	DO	10.41	1	0.10			1
CC-03	11	03/07/1996	40	2	1		LS		44	152	DO	4.65	1	0.10			1
CC-03	11	03/07/1996	105	2	1		LS		44	152	DO	1.47	1	0.10			1
CC-03	11	03/07/1996	130	2	1		LS		44	152	DO	9.63	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		11	152	DO	1.92	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		11	152	DO	13.08	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		11	152	DO	12.07	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		11	152	DO	10.93	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		11	152	DO	9.29	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		11	152	DO	5.55	1	0.10			1
CC-03	11	03/07/1996	1900	2	1		LS		11	152	DO	3.93	1	0.10			1
CC-03	11	03/07/1996	1920	2	1		LS		11	152	DO	2.72	1	0.10			1
CC-03	11	03/07/1996	1940	2	1		LS		11	152	DO	1.99	1	0.10			1
CC-03	11	03/07/1996	1950	2	1		LS		11	152	DO	1.04	1	0.10			1
CC-03	11	03/07/1996	2010	2	1		LS		11	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	2015	2	1		LS		11	152	DO	10.23	1	0.10			1
CC-03	11	03/07/1996	2205	2	1		LS		11	152	DO	6.22	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/07/1996	2245	2	1		LS		11	152	DO	3.71	1	0.10			1
CC-03	11	03/07/1996	2325	2	1		LS		11	152	DO	0.92	1	0.10			1
CC-03	11	03/07/1996	2400	2	1		LS		11	152	DO	10.02	1	0.10			1
CC-03	11	03/07/1996	40	2	1		LS		11	152	DO	2.22	1	0.10			1
CC-03	11	03/07/1996	105	2	1		LS		11	152	DO	0.06	1	0.10			1
CC-03	11	03/07/1996	130	2	1		LS		11	152	DO	9.00	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		160	152	DO	5.62	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		160	152	DO	13.07	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		160	152	DO	11.45	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		160	152	DO	10.72	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		160	152	DO	9.43	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		160	152	DO	6.13	1	0.10			1
CC-03	11	03/07/1996	1900	2	1		LS		160	152	DO	4.47	1	0.10			1
CC-03	11	03/07/1996	1920	2	1		LS		160	152	DO	3.13	1	0.10			1
CC-03	11	03/07/1996	1940	2	1		LS		160	152	DO	2.50	1	0.10			1
CC-03	11	03/07/1996	1950	2	1		LS		160	152	DO	1.64	1	0.10			1
CC-03	11	03/07/1996	2010	2	1		LS		160	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	2015	2	1		LS		160	152	DO	10.29	1	0.10			1
CC-03	11	03/07/1996	2205	2	1		LS		160	152	DO	6.75	1	0.10			1
CC-03	11	03/07/1996	2245	2	1		LS		160	152	DO	4.71	1	0.10			1
CC-03	11	03/07/1996	2325	2	1		LS		160	152	DO	2.27	1	0.10			1
CC-03	11	03/07/1996	2400	2	1		LS		160	152	DO	10.15	1	0.10			1
CC-03	11	03/07/1996	40	2	1		LS		160	152	DO	3.94	1	0.10			1
CC-03	11	03/07/1996	105	2	1		LS		160	152	DO	1.38	1	0.10			1
CC-03	11	03/07/1996	130	2	1		LS		160	152	DO	9.34	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		32	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		32	152	DO	13.10	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		32	152	DO	11.79	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		32	152	DO	11.44	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		32	152	DO	10.01	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		32	152	DO	7.11	1	0.10			1
CC-03	11	03/07/1996	1900	2	1		LS		32	152	DO	5.65	1	0.10			1
CC-03	11	03/07/1996	1920	2	1		LS		32	152	DO	4.34	1	0.10			1
CC-03	11	03/07/1996	1940	2	1		LS		32	152	DO	3.64	1	0.10			1
CC-03	11	03/07/1996	1950	2	1		LS		32	152	DO	3.02	1	0.10			1
CC-03	11	03/07/1996	2010	2	1		LS		32	152	DO	2.08	1	0.10			1
CC-03	11	03/07/1996	2015	2	1		LS		32	152	DO	10.23	1	0.10			1
CC-03	11	03/07/1996	2205	2	1		LS		32	152	DO	6.71	1	0.10			1
CC-03	11	03/07/1996	2245	2	1		LS		32	152	DO	4.32	1	0.10			1
CC-03	11	03/07/1996	2325	2	1		LS		32	152	DO	2.07	1	0.10			1
CC-03	11	03/07/1996	2400	2	1		LS		32	152	DO	10.44	1	0.10			1
CC-03	11	03/07/1996	40	2	1		LS		32	152	DO	4.49	1	0.10			1
CC-03	11	03/07/1996	105	2	1		LS		32	152	DO	1.89	1	0.10			1
CC-03	11	03/07/1996	130	2	1		LS		32	152	DO	9.43	1	0.10			1
CC-03	11	03/07/1996	800	2	1		LS		190	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	1030	2	1		LS		190	152	DO	13.06	1	0.10			1
CC-03	11	03/07/1996	1230	2	1		LS		190	152	DO	11.41	1	0.10			1
CC-03	11	03/07/1996	1430	2	1		LS		190	152	DO	10.37	1	0.10			1
CC-03	11	03/07/1996	1630	2	1		LS		190	152	DO	8.94	1	0.10			1
CC-03	11	03/07/1996	1830	2	1		LS		190	152	DO	5.50	1	0.10			1
CC-03	11	03/07/1996	1900	2	1		LS		190	152	DO	4.10	1	0.10			1
CC-03	11	03/07/1996	1920	2	1		LS		190	152	DO	3.08	1	0.10			1
CC-03	11	03/07/1996	1940	2	1		LS		190	152	DO	2.35	1	0.10			1
CC-03	11	03/07/1996	1950	2	1		LS		190	152	DO	1.77	1	0.10			1
CC-03	11	03/07/1996	2010	2	1		LS		190	152	DO	0.50	1	0.10			1
CC-03	11	03/07/1996	2015	2	1		LS		190	152	DO	10.30	1	0.10			1
CC-03	11	03/07/1996	2205	2	1		LS		190	152	DO	6.50	1	0.10			1
CC-03	11	03/07/1996	2245	2	1		LS		190	152	DO	3.85	1	0.10			1
CC-03	11	03/07/1996	2325	2	1		LS		190	152	DO	1.27	1	0.10			1
CC-03	11	03/07/1996	2400	2	1		LS		190	152	DO	10.36	1	0.10			1
CC-03	11	03/07/1996	40	2	1		LS		190	152	DO	4.19	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/07/1996	105	2	1		LS		190	152	DO	1.13	1	0.10			1
CC-03	11	03/07/1996	130	2	1		LS		190	152	DO	9.67	1	0.10			1
CC-03	11	03/08/1996	800	2	1		LS		181	150	DO	10.11	1	0.10			1
CC-03	11	03/08/1996	1030	2	1		LS		181	150	DO	8.83	1	0.10			1
CC-03	11	03/08/1996	1050	2	1		LS		181	150	DO	8.75	1	0.10			1
CC-03	11	03/08/1996	1100	2	1		LS		181	150	DO	8.80	1	0.10			1
CC-03	11	03/08/1996	1120	2	1		LS		181	150	DO	8.56	1	0.10			1
CC-03	11	03/08/1996	1140	2	1		LS		181	150	DO	8.38	1	0.10			1
CC-03	11	03/08/1996	1200	2	1		LS		181	150	DO	8.27	1	0.10			1
CC-03	11	03/08/1996	1230	2	1		LS		181	150	DO	7.99	1	0.10			1
CC-03	11	03/08/1996	1300	2	1		LS		181	150	DO	7.57	1	0.10			1
CC-03	11	03/08/1996	1330	2	1		LS		181	150	DO	7.36	1	0.10			1
CC-03	11	03/08/1996	1400	2	1		LS		181	150	DO	6.82	1	0.10			1
CC-03	11	03/08/1996	1430	2	1		LS		181	150	DO	7.60	1	0.10			1
CC-03	11	03/08/1996	1510	2	1		LS		181	150	DO	7.36	1	0.10			1
CC-03	11	03/08/1996	1830	2	1		LS		181	150	DO	6.66	1	0.10			1
CC-03	11	03/08/1996	1945	2	1		LS		181	150	DO	5.52	1	0.10			1
CC-03	11	03/08/1996	2100	2	1		LS		181	150	DO	4.74	1	0.10			1
CC-03	11	03/08/1996	2130	2	1		LS		181	150	DO	4.25	1	0.10			1
CC-03	11	03/08/1996	2200	2	1		LS		181	150	DO	3.71	1	0.10			1
CC-03	11	03/08/1996	800	2	1		LS		7	150	DO	5.60	1	0.10			1
CC-03	11	03/08/1996	1030	2	1		LS		7	150	DO	2.11	1	0.10			1
CC-03	11	03/08/1996	1040	2	1		LS		7	150	DO	1.70	1	0.10			1
CC-03	11	03/08/1996	1050	2	1		LS		7	150	DO	1.42	1	0.10			1
CC-03	11	03/08/1996	1100	2	1		LS		7	150	DO	1.10	1	0.10			1
CC-03	11	03/08/1996	1120	2	1		LS		7	150	DO	8.87	1	0.10			1
CC-03	11	03/08/1996	1140	2	1		LS		7	150	DO	8.79	1	0.10			1
CC-03	11	03/08/1996	1200	2	1		LS		7	150	DO	8.67	1	0.10			1
CC-03	11	03/08/1996	1230	2	1		LS		7	150	DO	8.42	1	0.10			1
CC-03	11	03/08/1996	1300	2	1		LS		7	150	DO	8.10	1	0.10			1
CC-03	11	03/08/1996	1330	2	1		LS		7	150	DO	7.94	1	0.10			1
CC-03	11	03/08/1996	1400	2	1		LS		7	150	DO	7.59	1	0.10			1
CC-03	11	03/08/1996	1430	2	1		LS		7	150	DO	6.31	1	0.10			1
CC-03	11	03/08/1996	1510	2	1		LS		7	150	DO	5.95	1	0.10			1
CC-03	11	03/08/1996	1830	2	1		LS		7	150	DO	5.23	1	0.10			1
CC-03	11	03/08/1996	1945	2	1		LS		7	150	DO	3.85	1	0.10			1
CC-03	11	03/08/1996	2100	2	1		LS		7	150	DO	2.77	1	0.10			1
CC-03	11	03/08/1996	2130	2	1		LS		7	150	DO	2.13	1	0.10			1
CC-03	11	03/08/1996	2200	2	1		LS		7	150	DO	1.48	1	0.10			1
CC-03	11	03/08/1996	800	2	1		LS		107	150	DO	10.18	1	0.10			1
CC-03	11	03/08/1996	1030	2	1		LS		107	150	DO	8.58	1	0.10			1
CC-03	11	03/08/1996	1050	2	1		LS		107	150	DO	8.25	1	0.10			1
CC-03	11	03/08/1996	1100	2	1		LS		107	150	DO	8.16	1	0.10			1
CC-03	11	03/08/1996	1110	2	1		LS		107	150	DO	0.50	1	0.10			1
CC-03	11	03/08/1996	800	2	1		LS		203	150	DO	10.41	1	0.10			1
CC-03	11	03/08/1996	1030	2	1		LS		203	150	DO	9.64	1	0.10			1
CC-03	11	03/08/1996	1050	2	1		LS		203	150	DO	9.29	1	0.10			1
CC-03	11	03/08/1996	1100	2	1		LS		203	150	DO	9.26	1	0.10			1
CC-03	11	03/08/1996	1120	2	1		LS		203	150	DO	8.20	1	0.10			1
CC-03	11	03/08/1996	1140	2	1		LS		203	150	DO	8.19	1	0.10			1
CC-03	11	03/08/1996	1200	2	1		LS		203	150	DO	8.00	1	0.10			1
CC-03	11	03/08/1996	1230	2	1		LS		203	150	DO	7.71	1	0.10			1
CC-03	11	03/08/1996	1300	2	1		LS		203	150	DO	7.40	1	0.10			1
CC-03	11	03/08/1996	1330	2	1		LS		203	150	DO	7.19	1	0.10			1
CC-03	11	03/08/1996	1400	2	1		LS		203	150	DO	6.64	1	0.10			1
CC-03	11	03/08/1996	1430	2	1		LS		203	150	DO	9.41	1	0.10			1
CC-03	11	03/08/1996	1510	2	1		LS		203	150	DO	9.51	1	0.10			1
CC-03	11	03/08/1996	1830	2	1		LS		203	150	DO	9.25	1	0.10			1
CC-03	11	03/08/1996	1945	2	1		LS		203	150	DO	8.83	1	0.10			1
CC-03	11	03/08/1996	2100	2	1		LS		203	150	DO	8.85	1	0.10			1
CC-03	11	03/08/1996	2130	2	1		LS		203	150	DO	8.74	1	0.10			1



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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/08/1996	2200	2	1		LS		203	150	DO	8.53	1	0.10			1
CC-03	11	03/08/1996	800	2	1		LS		202	150	DO	7.90	1	0.10			1
CC-03	11	03/08/1996	1030	2	1		LS		202	150	DO	4.48	1	0.10			1
CC-03	11	03/08/1996	1040	2	1		LS		202	150	DO	4.23	1	0.10			1
CC-03	11	03/08/1996	1050	2	1		LS		202	150	DO	4.01	1	0.10			1
CC-03	11	03/08/1996	1100	2	1		LS		202	150	DO	3.68	1	0.10			1
CC-03	11	03/08/1996	1120	2	1		LS		202	150	DO	9.24	1	0.10			1
CC-03	11	03/08/1996	1140	2	1		LS		202	150	DO	9.63	1	0.10			1
CC-03	11	03/08/1996	1200	2	1		LS		202	150	DO	9.71	1	0.10			1
CC-03	11	03/08/1996	1230	2	1		LS		202	150	DO	9.58	1	0.10			1
CC-03	11	03/08/1996	1300	2	1		LS		202	150	DO	9.33	1	0.10			1
CC-03	11	03/08/1996	1330	2	1		LS		202	150	DO	9.62	1	0.10			1
CC-03	11	03/08/1996	1400	2	1		LS		202	150	DO	9.46	1	0.10			1
CC-03	11	03/08/1996	1430	2	1		LS		202	150	DO	6.37	1	0.10			1
CC-03	11	03/08/1996	1510	2	1		LS		202	150	DO	5.94	1	0.10			1
CC-03	11	03/08/1996	1830	2	1		LS		202	150	DO	5.27	1	0.10			1
CC-03	11	03/08/1996	1945	2	1		LS		202	150	DO	3.89	1	0.10			1
CC-03	11	03/08/1996	2100	2	1		LS		202	150	DO	2.82	1	0.10			1
CC-03	11	03/08/1996	2130	2	1		LS		202	150	DO	2.22	1	0.10			1
CC-03	11	03/08/1996	2200	2	1		LS		202	150	DO	1.45	1	0.10			1
CC-03	11	03/08/1996	800	2	1		LS		192	150	DO	10.28	1	0.10			1
CC-03	11	03/08/1996	1030	2	1		LS		192	150	DO	8.51	1	0.10			1
CC-03	11	03/08/1996	1050	2	1		LS		192	150	DO	8.51	1	0.10			1
CC-03	11	03/08/1996	1100	2	1		LS		192	150	DO	8.51	1	0.10			1
CC-03	11	03/08/1996	1110	2	1		LS		192	150	DO	3.50	1	0.10			1
CC-03	11	03/08/1996	1120	2	1		LS		192	150	DO	3.01	1	0.10			1
CC-03	11	03/08/1996	1130	2	1		LS		192	150	DO	2.63	1	0.10			1
CC-03	11	03/08/1996	1140	2	1		LS		192	150	DO	2.16	1	0.10			1
CC-03	11	03/08/1996	1150	2	1		LS		192	150	DO	1.84	1	0.10			1
CC-03	11	03/08/1996	1200	2	1		LS		192	150	DO	1.58	1	0.10			1
CC-03	11	03/08/1996	1210	2	1		LS		192	150	DO	1.21	1	0.10			1
CC-03	11	03/08/1996	1220	2	1		LS		192	150	DO	0.50	1	0.10			1
CC-03	11	03/08/1996	40	2	1		LS		40	152	DO	4.33	1	0.10			1
CC-03	11	03/08/1996	105	2	1		LS		40	152	DO	1.63	1	0.10			1
CC-03	11	03/08/1996	130	2	1		LS		40	152	DO	9.55	1	0.10			1
CC-03	11	03/08/1996	200	2	1		LS		40	152	DO	2.34	1	0.10			1
CC-03	11	03/08/1996	230	2	1		LS		40	152	DO	9.87	1	0.10			1
CC-03	11	03/08/1996	245	2	1		LS		40	152	DO	4.35	1	0.10			1
CC-03	11	03/08/1996	307	2	1		LS		40	152	DO	1.51	1	0.10			1
CC-03	11	03/08/1996	330	2	1		LS		40	152	DO	8.91	1	0.10			1
CC-03	11	03/08/1996	355	2	1		LS		40	152	DO	1.80	1	0.10			1
CC-03	11	03/08/1996	430	2	1		LS		40	152	DO	8.90	1	0.10			1
CC-03	11	03/08/1996	500	2	1		LS		40	152	DO	0.06	1	0.10			1
CC-03	11	03/08/1996	200	2	1		LS		44	152	DO	2.83	1	0.10			1
CC-03	11	03/08/1996	230	2	1		LS		44	152	DO	8.90	1	0.10			1
CC-03	11	03/08/1996	245	2	1		LS		44	152	DO	3.05	1	0.10			1
CC-03	11	03/08/1996	307	2	1		LS		44	152	DO	0.41	1	0.10			1
CC-03	11	03/08/1996	330	2	1		LS		44	152	DO	9.05	1	0.10			1
CC-03	11	03/08/1996	355	2	1		LS		44	152	DO	2.15	1	0.10			1
CC-03	11	03/08/1996	430	2	1		LS		44	152	DO	8.95	1	0.10			1
CC-03	11	03/08/1996	500	2	1		LS		44	152	DO	0.07	1	0.10			1
CC-03	11	03/08/1996	200	2	1		LS		11	152	DO	0.91	1	0.10			1
CC-03	11	03/08/1996	230	2	1		LS		11	152	DO	9.02	1	0.10			1
CC-03	11	03/08/1996	245	2	1		LS		11	152	DO	3.18	1	0.10			1
CC-03	11	03/08/1996	307	2	1		LS		11	152	DO	0.10	1	0.10			1
CC-03	11	03/08/1996	330	2	1		LS		11	152	DO	9.20	1	0.10			1
CC-03	11	03/08/1996	355	2	1		LS		11	152	DO	1.67	1	0.10			1
CC-03	11	03/08/1996	430	2	1		LS		11	152	DO	8.90	1	0.10			1
CC-03	11	03/08/1996	500	2	1		LS		11	152	DO	0.04	1	0.10			1
CC-03	11	03/08/1996	200	2	1		LS		160	152	DO	2.08	1	0.10			1
CC-03	11	03/08/1996	230	2	1		LS		160	152	DO	9.76	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/08/1996	245	2	1		LS		160	152	DO	4.20	1	0.10			1
CC-03	11	03/08/1996	307	2	1		LS		160	152	DO	0.70	1	0.10			1
CC-03	11	03/08/1996	330	2	1		LS		160	152	DO	9.35	1	0.10			1
CC-03	11	03/08/1996	355	2	1		LS		160	152	DO	2.70	1	0.10			1
CC-03	11	03/08/1996	430	2	1		LS		160	152	DO	9.10	1	0.10			1
CC-03	11	03/08/1996	500	2	1		LS		160	152	DO	0.06	1	0.10			1
CC-03	11	03/08/1996	200	2	1		LS		32	152	DO	2.47	1	0.10			1
CC-03	11	03/08/1996	230	2	1		LS		32	152	DO	9.08	1	0.10			1
CC-03	11	03/08/1996	245	2	1		LS		32	152	DO	2.81	1	0.10			1
CC-03	11	03/08/1996	307	2	1		LS		32	152	DO	0.06	1	0.10			1
CC-03	11	03/08/1996	330	2	1		LS		32	152	DO	9.29	1	0.10			1
CC-03	11	03/08/1996	355	2	1		LS		32	152	DO	2.50	1	0.10			1
CC-03	11	03/08/1996	430	2	1		LS		32	152	DO	9.05	1	0.10			1
CC-03	11	03/08/1996	200	2	1		LS		190	152	DO	2.76	1	0.10			1
CC-03	11	03/08/1996	230	2	1		LS		190	152	DO	9.43	1	0.10			1
CC-03	11	03/08/1996	245	2	1		LS		190	152	DO	3.71	1	0.10			1
CC-03	11	03/08/1996	307	2	1		LS		190	152	DO	0.65	1	0.10			1
CC-03	11	03/08/1996	330	2	1		LS		190	152	DO	9.20	1	0.10			1
CC-03	11	03/08/1996	355	2	1		LS		190	152	DO	2.40	1	0.10			1
CC-03	11	03/08/1996	430	2	1		LS		190	152	DO	9.09	1	0.10			1
CC-03	11	03/08/1996	500	2	1		LS		190	152	DO	0.71	1	0.10			1
CC-03	11	03/09/1996	1000	2	1		LS		181	150	DO	0.50	1	0.10			1
CC-03	11	03/09/1996	1000	2	1		LS		7	150	DO	0.50	1	0.10			1
CC-03	11	03/09/1996	1000	2	1		LS		203	150	DO	4.26	1	0.10			1
CC-03	11	03/09/1996	1000	2	1		LS		202	150	DO	0.50	1	0.10			1
CC-03	11	03/13/1996	1620	1	1		0.5 G			14	DO	15.40	1	0.1			1
CC-03	11	03/13/1996	1940	1	1		0.5 G			14	DO	14.80	1	0.1			1
CC-03	11	03/14/1996	1215	1	1		0.5 G			14	DO	15.20	1	0.1			1
CC-03	11	03/14/1996	1645	1	1		0.5 G			14	DO	13.70	1	0.1			1
CC-03	11	03/14/1996	1935	1	1		0.5 G			14	DO	13.30	1	0.1			1
CC-03	11	03/15/1996	1145	1	1		0.5 G			14	DO	13.20	1	0.1			1
CC-03	11	03/15/1996	1520	1	1		0.5 G			14	DO	14.60	1	0.1			1
CC-03	11	03/15/1996	1810	1	1		0.5 G			14	DO	14.00	1	0.1			1
CC-03	11	03/15/1996	1741	1	1		0.5 G			14	DO	14.00	1	0.1			1
CC-03	11	03/24/1996	1400	1	1		0.5 G			14	DO	12.80	1	0.1			1
CC-03	11	03/24/1996	1600	1	1		0.5 G			14	DO	12.20	1	0.1			1
CC-03	11	03/24/1996	2000	1	1		0.5 G			14	DO	12.20	1	0.1			1
CC-03	11	03/28/1996	1830	2	1		LS		153	151	DO	9.89	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		153	151	DO	10.41	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		153	151	DO	9.77	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		48	151	DO	9.88	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		48	151	DO	10.39	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		48	151	DO	9.59	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		103	151	DO	9.88	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		103	151	DO	10.36	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		103	151	DO	9.88	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		180	151	DO	9.88	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		180	151	DO	9.89	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		180	151	DO	9.72	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		16	151	DO	9.80	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		16	151	DO	10.35	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		16	151	DO	9.79	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		193	151	DO	9.75	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		193	151	DO	10.42	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		193	151	DO	9.56	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		20	153	DO	9.84	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		20	153	DO	10.18	1	0.10			1
CC-03	11	03/28/1996	2130	2	1		LS		20	153	DO	9.62	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		20	153	DO	9.52	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		205	153	DO	9.87	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		205	153	DO	10.25	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/28/1996	2130	2	1		LS		205	153	DO	9.71	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		205	153	DO	9.55	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		29	153	DO	9.90	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		29	153	DO	10.14	1	0.10			1
CC-03	11	03/28/1996	2130	2	1		LS		29	153	DO	9.75	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		29	153	DO	9.67	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		171	153	DO	9.90	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		171	153	DO	10.22	1	0.10			1
CC-03	11	03/28/1996	2130	2	1		LS		171	153	DO	9.66	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		171	153	DO	9.62	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		2	153	DO	9.91	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		2	153	DO	10.17	1	0.10			1
CC-03	11	03/28/1996	2130	2	1		LS		2	153	DO	9.74	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		2	153	DO	9.42	1	0.10			1
CC-03	11	03/28/1996	1830	2	1		LS		36	153	DO	9.83	1	0.10			1
CC-03	11	03/28/1996	2000	2	1		LS		36	153	DO	10.13	1	0.10			1
CC-03	11	03/28/1996	2130	2	1		LS		36	153	DO	9.85	1	0.10			1
CC-03	11	03/28/1996	2330	2	1		LS		36	153	DO	9.80	1	0.10			1
CC-03	11	03/29/1996	600	2	1		LS		153	151	DO	8.92	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		153	151	DO	9.29	1	0.10			1
CC-03	11	03/29/1996	1215	2	1		LS		153	151	DO	8.37	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		153	151	DO	6.47	1	0.10			1
CC-03	11	03/29/1996	2200	2	1		LS		153	151	DO	6.62	1	0.10			1
CC-03	11	03/29/1996	600	2	1		LS		48	151	DO	9.95	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		48	151	DO	9.22	1	0.10			1
CC-03	11	03/29/1996	1215	2	1		LS		48	151	DO	8.29	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		48	151	DO	6.41	1	0.10			1
CC-03	11	03/29/1996	2200	2	1		LS		48	151	DO	6.32	1	0.10			1
CC-03	11	03/29/1996	600	2	1		LS		103	151	DO	9.09	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		103	151	DO	9.70	1	0.10			1
CC-03	11	03/29/1996	1215	2	1		LS		103	151	DO	8.13	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		103	151	DO	6.80	1	0.10			1
CC-03	11	03/29/1996	2200	2	1		LS		103	151	DO	7.09	1	0.10			1
CC-03	11	03/29/1996	600	2	1		LS		180	151	DO	9.00	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		180	151	DO	9.55	1	0.10			1
CC-03	11	03/29/1996	1215	2	1		LS		180	151	DO	8.43	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		180	151	DO	6.68	1	0.10			1
CC-03	11	03/29/1996	2200	2	1		LS		180	151	DO	6.73	1	0.10			1
CC-03	11	03/29/1996	600	2	1		LS		16	151	DO	8.88	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		16	151	DO	9.38	1	0.10			1
CC-03	11	03/29/1996	1215	2	1		LS		16	151	DO	8.06	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		16	151	DO	6.61	1	0.10			1
CC-03	11	03/29/1996	2200	2	1		LS		16	151	DO	6.86	1	0.10			1
CC-03	11	03/29/1996	600	2	1		LS		193	151	DO	8.96	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		193	151	DO	9.34	1	0.10			1
CC-03	11	03/29/1996	1215	2	1		LS		193	151	DO	8.30	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		193	151	DO	6.56	1	0.10			1
CC-03	11	03/29/1996	2200	2	1		LS		193	151	DO	6.58	1	0.10			1
CC-03	11	03/29/1996	530	2	1		LS		20	153	DO	8.21	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		20	153	DO	8.44	1	0.10			1
CC-03	11	03/29/1996	1030	2	1		LS		20	153	DO	7.49	1	0.10			1
CC-03	11	03/29/1996	1220	2	1		LS		20	153	DO	6.94	1	0.10			1
CC-03	11	03/29/1996	1415	2	1		LS		20	153	DO	6.00	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		20	153	DO	4.74	1	0.10			1
CC-03	11	03/29/1996	2000	2	1		LS		20	153	DO	4.31	1	0.10			1
CC-03	11	03/29/1996	2130	2	1		LS		20	153	DO	4.29	1	0.10			1
CC-03	11	03/29/1996	530	2	1		LS		205	153	DO	8.27	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		205	153	DO	8.36	1	0.10			1
CC-03	11	03/29/1996	1030	2	1		LS		205	153	DO	7.64	1	0.10			1
CC-03	11	03/29/1996	1220	2	1		LS		205	153	DO	7.06	1	0.10			1
CC-03	11	03/29/1996	1415	2	1		LS		205	153	DO	6.58	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/29/1996	1830	2	1		LS		205	153	DO	5.52	1	0.10			1
CC-03	11	03/29/1996	2000	2	1		LS		205	153	DO	4.94	1	0.10			1
CC-03	11	03/29/1996	2130	2	1		LS		205	153	DO	4.93	1	0.10			1
CC-03	11	03/29/1996	530	2	1		LS		29	153	DO	8.61	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		29	153	DO	8.74	1	0.10			1
CC-03	11	03/29/1996	1030	2	1		LS		29	153	DO	7.77	1	0.10			1
CC-03	11	03/29/1996	1220	2	1		LS		29	153	DO	7.22	1	0.10			1
CC-03	11	03/29/1996	1415	2	1		LS		29	153	DO	6.60	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		29	153	DO	5.02	1	0.10			1
CC-03	11	03/29/1996	2000	2	1		LS		29	153	DO	5.01	1	0.10			1
CC-03	11	03/29/1996	2130	2	1		LS		29	153	DO	5.05	1	0.10			1
CC-03	11	03/29/1996	530	2	1		LS		171	153	DO	8.21	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		171	153	DO	8.56	1	0.10			1
CC-03	11	03/29/1996	1030	2	1		LS		171	153	DO	7.55	1	0.10			1
CC-03	11	03/29/1996	1220	2	1		LS		171	153	DO	7.13	1	0.10			1
CC-03	11	03/29/1996	1415	2	1		LS		171	153	DO	6.05	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		171	153	DO	4.84	1	0.10			1
CC-03	11	03/29/1996	2000	2	1		LS		171	153	DO	4.30	1	0.10			1
CC-03	11	03/29/1996	2130	2	1		LS		171	153	DO	4.23	1	0.10			1
CC-03	11	03/29/1996	530	2	1		LS		2	153	DO	8.47	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		2	153	DO	8.61	1	0.10			1
CC-03	11	03/29/1996	1030	2	1		LS		2	153	DO	7.85	1	0.10			1
CC-03	11	03/29/1996	1220	2	1		LS		2	153	DO	7.18	1	0.10			1
CC-03	11	03/29/1996	1415	2	1		LS		2	153	DO	6.22	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		2	153	DO	5.17	1	0.10			1
CC-03	11	03/29/1996	2000	2	1		LS		2	153	DO	5.05	1	0.10			1
CC-03	11	03/29/1996	2130	2	1		LS		2	153	DO	4.55	1	0.10			1
CC-03	11	03/29/1996	530	2	1		LS		36	153	DO	8.68	1	0.10			1
CC-03	11	03/29/1996	730	2	1		LS		36	153	DO	8.99	1	0.10			1
CC-03	11	03/29/1996	1030	2	1		LS		36	153	DO	7.94	1	0.10			1
CC-03	11	03/29/1996	1220	2	1		LS		36	153	DO	7.50	1	0.10			1
CC-03	11	03/29/1996	1415	2	1		LS		36	153	DO	6.96	1	0.10			1
CC-03	11	03/29/1996	1830	2	1		LS		36	153	DO	6.34	1	0.10			1
CC-03	11	03/29/1996	2000	2	1		LS		36	153	DO	5.73	1	0.10			1
CC-03	11	03/29/1996	2130	2	1		LS		36	153	DO	5.73	1	0.10			1
CC-03	11	03/30/1996	225	2	1		LS		153	151	DO	4.20	1	0.10			1
CC-03	11	03/30/1996	555	2	1		LS		153	151	DO	2.23	1	0.10			1
CC-03	11	03/30/1996	710	2	1		LS		153	151	DO	1.43	1	0.10			1
CC-03	11	03/30/1996	225	2	1		LS		48	151	DO	3.90	1	0.10			1
CC-03	11	03/30/1996	555	2	1		LS		48	151	DO	1.73	1	0.10			1
CC-03	11	03/30/1996	710	2	1		LS		48	151	DO	0.95	1	0.10			1
CC-03	11	03/30/1996	225	2	1		LS		103	151	DO	4.58	1	0.10			1
CC-03	11	03/30/1996	555	2	1		LS		103	151	DO	2.54	1	0.10			1
CC-03	11	03/30/1996	710	2	1		LS		103	151	DO	1.74	1	0.10			1
CC-03	11	03/30/1996	225	2	1		LS		180	151	DO	4.35	1	0.10			1
CC-03	11	03/30/1996	555	2	1		LS		180	151	DO	2.20	1	0.10			1
CC-03	11	03/30/1996	710	2	1		LS		180	151	DO	1.37	1	0.10			1
CC-03	11	03/30/1996	225	2	1		LS		16	151	DO	4.55	1	0.10			1
CC-03	11	03/30/1996	555	2	1		LS		16	151	DO	2.65	1	0.10			1
CC-03	11	03/30/1996	710	2	1		LS		16	151	DO	1.91	1	0.10			1
CC-03	11	03/30/1996	225	2	1		LS		193	151	DO	4.28	1	0.10			1
CC-03	11	03/30/1996	555	2	1		LS		193	151	DO	2.26	1	0.10			1
CC-03	11	03/30/1996	710	2	1		LS		193	151	DO	1.45	1	0.10			1
CC-03	11	03/30/1996	2	2	1		LS		20	153	DO	2.55	1	0.10			1
CC-03	11	03/30/1996	105	2	1		LS		20	153	DO	1.80	1	0.10			1
CC-03	11	03/30/1996	200	2	1		LS		20	153	DO	1.33	1	0.10			1
CC-03	11	03/30/1996	210	2	1		LS		20	153	DO	10.42	1	0.10			1
CC-03	11	03/30/1996	540	2	1		LS		20	153	DO	8.11	1	0.10			1
CC-03	11	03/30/1996	800	2	1		LS		20	153	DO	5.60	1	0.10			1
CC-03	11	03/30/1996	930	2	1		LS		20	153	DO	3.77	1	0.10			1
CC-03	11	03/30/1996	1115	2	1		LS		20	153	DO	1.25	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/30/1996	1245	2	1		LS		20	153	DO	0.37	1	0.10			1
CC-03	11	03/30/1996	1315	2	1		LS		20	153	DO	12.05	1	0.10			1
CC-03	11	03/30/1996	1445	2	1		LS		20	153	DO	10.55	1	0.10			1
CC-03	11	03/30/1996	1600	2	1		LS		20	153	DO	10.10	1	0.10			1
CC-03	11	03/30/1996	1800	2	1		LS		20	153	DO	5.95	1	0.10			1
CC-03	11	03/30/1996	1930	2	1		LS		20	153	DO	3.79	1	0.10			1
CC-03	11	03/30/1996	2330	2	1		LS		20	153	DO	0.77	1	0.10			1
CC-03	11	03/30/1996	2340	2	1		LS		20	153	DO	10.68	1	0.10			1
CC-03	11	03/30/1996	2	2	1		LS		205	153	DO	3.17	1	0.10			1
CC-03	11	03/30/1996	105	2	1		LS		205	153	DO	2.48	1	0.10			1
CC-03	11	03/30/1996	200	2	1		LS		205	153	DO	2.04	1	0.10			1
CC-03	11	03/30/1996	210	2	1		LS		205	153	DO	10.60	1	0.10			1
CC-03	11	03/30/1996	540	2	1		LS		205	153	DO	8.42	1	0.10			1
CC-03	11	03/30/1996	800	2	1		LS		205	153	DO	6.37	1	0.10			1
CC-03	11	03/30/1996	930	2	1		LS		205	153	DO	4.83	1	0.10			1
CC-03	11	03/30/1996	1115	2	1		LS		205	153	DO	2.89	1	0.10			1
CC-03	11	03/30/1996	1245	2	1		LS		205	153	DO	1.11	1	0.10			1
CC-03	11	03/30/1996	1315	2	1		LS		205	153	DO	12.08	1	0.10			1
CC-03	11	03/30/1996	1445	2	1		LS		205	153	DO	10.67	1	0.10			1
CC-03	11	03/30/1996	1600	2	1		LS		205	153	DO	10.06	1	0.10			1
CC-03	11	03/30/1996	1800	2	1		LS		205	153	DO	6.05	1	0.10			1
CC-03	11	03/30/1996	1930	2	1		LS		205	153	DO	3.81	1	0.10			1
CC-03	11	03/30/1996	2330	2	1		LS		205	153	DO	0.44	1	0.10			1
CC-03	11	03/30/1996	2340	2	1		LS		205	153	DO	10.70	1	0.10			1
CC-03	11	03/30/1996	2	2	1		LS		29	153	DO	3.39	1	0.10			1
CC-03	11	03/30/1996	105	2	1		LS		29	153	DO	2.70	1	0.10			1
CC-03	11	03/30/1996	200	2	1		LS		29	153	DO	2.26	1	0.10			1
CC-03	11	03/30/1996	210	2	1		LS		29	153	DO	10.79	1	0.10			1
CC-03	11	03/30/1996	540	2	1		LS		29	153	DO	8.63	1	0.10			1
CC-03	11	03/30/1996	800	2	1		LS		29	153	DO	6.35	1	0.10			1
CC-03	11	03/30/1996	930	2	1		LS		29	153	DO	4.95	1	0.10			1
CC-03	11	03/30/1996	1115	2	1		LS		29	153	DO	3.12	1	0.10			1
CC-03	11	03/30/1996	1245	2	1		LS		29	153	DO	1.53	1	0.10			1
CC-03	11	03/30/1996	1315	2	1		LS		29	153	DO	12.50	1	0.10			1
CC-03	11	03/30/1996	1445	2	1		LS		29	153	DO	11.39	1	0.10			1
CC-03	11	03/30/1996	1600	2	1		LS		29	153	DO	11.33	1	0.10			1
CC-03	11	03/30/1996	1800	2	1		LS		29	153	DO	7.68	1	0.10			1
CC-03	11	03/30/1996	1930	2	1		LS		29	153	DO	4.97	1	0.10			1
CC-03	11	03/30/1996	2330	2	1		LS		29	153	DO	1.07	1	0.10			1
CC-03	11	03/30/1996	2340	2	1		LS		29	153	DO	10.55	1	0.10			1
CC-03	11	03/30/1996	2	2	1		LS		171	153	DO	2.33	1	0.10			1
CC-03	11	03/30/1996	105	2	1		LS		171	153	DO	1.52	1	0.10			1
CC-03	11	03/30/1996	200	2	1		LS		171	153	DO	1.06	1	0.10			1
CC-03	11	03/30/1996	210	2	1		LS		171	153	DO	10.76	1	0.10			1
CC-03	11	03/30/1996	540	2	1		LS		171	153	DO	8.54	1	0.10			1
CC-03	11	03/30/1996	800	2	1		LS		171	153	DO	6.60	1	0.10			1
CC-03	11	03/30/1996	930	2	1		LS		171	153	DO	5.16	1	0.10			1
CC-03	11	03/30/1996	1115	2	1		LS		171	153	DO	3.21	1	0.10			1
CC-03	11	03/30/1996	1245	2	1		LS		171	153	DO	1.75	1	0.10			1
CC-03	11	03/30/1996	1315	2	1		LS		171	153	DO	12.55	1	0.10			1
CC-03	11	03/30/1996	1445	2	1		LS		171	153	DO	11.35	1	0.10			1
CC-03	11	03/30/1996	1600	2	1		LS		171	153	DO	10.99	1	0.10			1
CC-03	11	03/30/1996	1800	2	1		LS		171	153	DO	7.21	1	0.10			1
CC-03	11	03/30/1996	1930	2	1		LS		171	153	DO	4.77	1	0.10			1
CC-03	11	03/30/1996	2330	2	1		LS		171	153	DO	1.86	1	0.10			1
CC-03	11	03/30/1996	2340	2	1		LS		171	153	DO	10.64	1	0.10			1
CC-03	11	03/30/1996	2	2	1		LS		2	153	DO	2.86	1	0.10			1
CC-03	11	03/30/1996	105	2	1		LS		2	153	DO	2.19	1	0.10			1
CC-03	11	03/30/1996	200	2	1		LS		2	153	DO	1.75	1	0.10			1
CC-03	11	03/30/1996	210	2	1		LS		2	153	DO	10.67	1	0.10			1
CC-03	11	03/30/1996	540	2	1		LS		2	153	DO	8.49	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/30/1996	800	2	1		LS		2	153	DO	6.44	1	0.10			1
CC-03	11	03/30/1996	930	2	1		LS		2	153	DO	4.90	1	0.10			1
CC-03	11	03/30/1996	1115	2	1		LS		2	153	DO	3.21	1	0.10			1
CC-03	11	03/30/1996	1245	2	1		LS		2	153	DO	1.65	1	0.10			1
CC-03	11	03/30/1996	1315	2	1		LS		2	153	DO	12.37	1	0.10			1
CC-03	11	03/30/1996	1445	2	1		LS		2	153	DO	11.25	1	0.10			1
CC-03	11	03/30/1996	1600	2	1		LS		2	153	DO	10.83	1	0.10			1
CC-03	11	03/30/1996	1800	2	1		LS		2	153	DO	7.44	1	0.10			1
CC-03	11	03/30/1996	1930	2	1		LS		2	153	DO	5.03	1	0.10			1
CC-03	11	03/30/1996	2330	2	1		LS		2	153	DO	1.57	1	0.10			1
CC-03	11	03/30/1996	2340	2	1		LS		2	153	DO	10.58	1	0.10			1
CC-03	11	03/30/1996	2	2	1		LS		36	153	DO	4.35	1	0.10			1
CC-03	11	03/30/1996	105	2	1		LS		36	153	DO	3.59	1	0.10			1
CC-03	11	03/30/1996	200	2	1		LS		36	153	DO	3.20	1	0.10			1
CC-03	11	03/30/1996	210	2	1		LS		36	153	DO	10.67	1	0.10			1
CC-03	11	03/30/1996	540	2	1		LS		36	153	DO	8.75	1	0.10			1
CC-03	11	03/30/1996	800	2	1		LS		36	153	DO	7.07	1	0.10			1
CC-03	11	03/30/1996	930	2	1		LS		36	153	DO	5.67	1	0.10			1
CC-03	11	03/30/1996	1115	2	1		LS		36	153	DO	5.04	1	0.10			1
CC-03	11	03/30/1996	1245	2	1		LS		36	153	DO	4.12	1	0.10			1
CC-03	11	03/30/1996	1315	2	1		LS		36	153	DO	12.45	1	0.10			1
CC-03	11	03/30/1996	1445	2	1		LS		36	153	DO	11.35	1	0.10			1
CC-03	11	03/30/1996	1600	2	1		LS		36	153	DO	11.40	1	0.10			1
CC-03	11	03/30/1996	1800	2	1		LS		36	153	DO	7.55	1	0.10			1
CC-03	11	03/30/1996	1930	2	1		LS		36	153	DO	5.76	1	0.10			1
CC-03	11	03/30/1996	2330	2	1		LS		36	153	DO	2.59	1	0.10			1
CC-03	11	03/30/1996	2340	2	1		LS		36	153	DO	10.76	1	0.10			1
CC-03	11	03/31/1996	119	2	1		LS		20	153	DO	8.50	1	0.10			1
CC-03	11	03/31/1996	220	2	1		LS		20	153	DO	7.55	1	0.10			1
CC-03	11	03/31/1996	500	2	1		LS		20	153	DO	3.89	1	0.10			1
CC-03	11	03/31/1996	630	2	1		LS		20	153	DO	1.73	1	0.10			1
CC-03	11	03/31/1996	640	2	1		LS		20	153	DO	8.35	1	0.10			1
CC-03	11	03/31/1996	919	2	1		LS		20	153	DO	2.42	1	0.10			1
CC-03	11	03/31/1996	1019	2	1		LS		20	153	DO	0.42	1	0.10			1
CC-03	11	03/31/1996	1025	2	1		LS		20	153	DO	8.62	1	0.10			1
CC-03	11	03/31/1996	1130	2	1		LS		20	153	DO	6.39	1	0.10			1
CC-03	11	03/31/1996	1246	2	1		LS		20	153	DO	2.51	1	0.10			1
CC-03	11	03/31/1996	1330	2	1		LS		20	153	DO	0.60	1	0.10			1
CC-03	11	03/31/1996	1345	2	1		LS		20	153	DO	9.50	1	0.10			1
CC-03	11	03/31/1996	1415	2	1		LS		20	153	DO	7.55	1	0.10			1
CC-03	11	03/31/1996	1500	2	1		LS		20	153	DO	5.13	1	0.10			1
CC-03	11	03/31/1996	1535	2	1		LS		20	153	DO	2.55	1	0.10			1
CC-03	11	03/31/1996	1615	2	1		LS		20	153	DO	0.50	1	0.10			1
CC-03	11	03/31/1996	1620	2	1		LS		20	153	DO	8.86	1	0.10			1
CC-03	11	03/31/1996	1700	2	1		LS		20	153	DO	6.15	1	0.10			1
CC-03	11	03/31/1996	1800	2	1		LS		20	153	DO	0.24	1	0.10			1
CC-03	11	03/31/1996	1815	2	1		LS		20	153	DO	10.14	1	0.10			1
CC-03	11	03/31/1996	2000	2	1		LS		20	153	DO	0.19	1	0.10			1
CC-03	11	03/31/1996	2020	2	1		LS		20	153	DO	9.45	1	0.10			1
CC-03	11	03/31/1996	2100	2	1		LS		20	153	DO	4.49	1	0.10			1
CC-03	11	03/31/1996	2145	2	1		LS		20	153	DO	0.53	1	0.10			1
CC-03	11	03/31/1996	2200	2	1		LS		20	153	DO	9.50	1	0.10			1
CC-03	11	03/31/1996	2230	2	1		LS		20	153	DO	5.50	1	0.10			1
CC-03	11	03/31/1996	119	2	1		LS		205	153	DO	8.54	1	0.10			1
CC-03	11	03/31/1996	220	2	1		LS		205	153	DO	7.52	1	0.10			1
CC-03	11	03/31/1996	500	2	1		LS		205	153	DO	3.80	1	0.10			1
CC-03	11	03/31/1996	630	2	1		LS		205	153	DO	1.69	1	0.10			1
CC-03	11	03/31/1996	640	2	1		LS		205	153	DO	8.32	1	0.10			1
CC-03	11	03/31/1996	919	2	1		LS		205	153	DO	3.52	1	0.10			1
CC-03	11	03/31/1996	1019	2	1		LS		205	153	DO	1.12	1	0.10			1
CC-03	11	03/31/1996	1025	2	1		LS		205	153	DO	8.58	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/31/1996	1130	2	1		LS		205	153	DO	6.54	1	0.10			1
CC-03	11	03/31/1996	1246	2	1		LS		205	153	DO	2.71	1	0.10			1
CC-03	11	03/31/1996	1330	2	1		LS		205	153	DO	0.88	1	0.10			1
CC-03	11	03/31/1996	1345	2	1		LS		205	153	DO	9.66	1	0.10			1
CC-03	11	03/31/1996	1415	2	1		LS		205	153	DO	7.20	1	0.10			1
CC-03	11	03/31/1996	1500	2	1		LS		205	153	DO	5.00	1	0.10			1
CC-03	11	03/31/1996	1535	2	1		LS		205	153	DO	2.50	1	0.10			1
CC-03	11	03/31/1996	1615	2	1		LS		205	153	DO	0.25	1	0.10			1
CC-03	11	03/31/1996	1620	2	1		LS		205	153	DO	8.66	1	0.10			1
CC-03	11	03/31/1996	1700	2	1		LS		205	153	DO	6.14	1	0.10			1
CC-03	11	03/31/1996	1800	2	1		LS		205	153	DO	0.80	1	0.10			1
CC-03	11	03/31/1996	1815	2	1		LS		205	153	DO	10.07	1	0.10			1
CC-03	11	03/31/1996	2000	2	1		LS		205	153	DO	0.24	1	0.10			1
CC-03	11	03/31/1996	2020	2	1		LS		205	153	DO	9.36	1	0.10			1
CC-03	11	03/31/1996	2100	2	1		LS		205	153	DO	4.92	1	0.10			1
CC-03	11	03/31/1996	2145	2	1		LS		205	153	DO	0.90	1	0.10			1
CC-03	11	03/31/1996	2200	2	1		LS		205	153	DO	9.94	1	0.10			1
CC-03	11	03/31/1996	2230	2	1		LS		205	153	DO	5.55	1	0.10			1
CC-03	11	03/31/1996	119	2	1		LS		29	153	DO	8.64	1	0.10			1
CC-03	11	03/31/1996	220	2	1		LS		29	153	DO	7.56	1	0.10			1
CC-03	11	03/31/1996	500	2	1		LS		29	153	DO	3.84	1	0.10			1
CC-03	11	03/31/1996	630	2	1		LS		29	153	DO	1.08	1	0.10			1
CC-03	11	03/31/1996	640	2	1		LS		29	153	DO	8.32	1	0.10			1
CC-03	11	03/31/1996	919	2	1		LS		29	153	DO	2.19	1	0.10			1
CC-03	11	03/31/1996	1019	2	1		LS		29	153	DO	0.34	1	0.10			1
CC-03	11	03/31/1996	1025	2	1		LS		29	153	DO	8.60	1	0.10			1
CC-03	11	03/31/1996	1130	2	1		LS		29	153	DO	6.13	1	0.10			1
CC-03	11	03/31/1996	1246	2	1		LS		29	153	DO	2.53	1	0.10			1
CC-03	11	03/31/1996	1330	2	1		LS		29	153	DO	0.53	1	0.10			1
CC-03	11	03/31/1996	1345	2	1		LS		29	153	DO	9.56	1	0.10			1
CC-03	11	03/31/1996	1415	2	1		LS		29	153	DO	7.26	1	0.10			1
CC-03	11	03/31/1996	1500	2	1		LS		29	153	DO	5.56	1	0.10			1
CC-03	11	03/31/1996	1535	2	1		LS		29	153	DO	2.55	1	0.10			1
CC-03	11	03/31/1996	1615	2	1		LS		29	153	DO	0.33	1	0.10			1
CC-03	11	03/31/1996	1620	2	1		LS		29	153	DO	8.63	1	0.10			1
CC-03	11	03/31/1996	1700	2	1		LS		29	153	DO	6.00	1	0.10			1
CC-03	11	03/31/1996	1800	2	1		LS		29	153	DO	1.00	1	0.10			1
CC-03	11	03/31/1996	1815	2	1		LS		29	153	DO	10.34	1	0.10			1
CC-03	11	03/31/1996	2000	2	1		LS		29	153	DO	0.12	1	0.10			1
CC-03	11	03/31/1996	2020	2	1		LS		29	153	DO	9.29	1	0.10			1
CC-03	11	03/31/1996	2100	2	1		LS		29	153	DO	5.45	1	0.10			1
CC-03	11	03/31/1996	2145	2	1		LS		29	153	DO	0.10	1	0.10			1
CC-03	11	03/31/1996	2200	2	1		LS		29	153	DO	9.31	1	0.10			1
CC-03	11	03/31/1996	2230	2	1		LS		29	153	DO	5.94	1	0.10			1
CC-03	11	03/31/1996	119	2	1		LS		171	153	DO	8.45	1	0.10			1
CC-03	11	03/31/1996	220	2	1		LS		171	153	DO	7.24	1	0.10			1
CC-03	11	03/31/1996	500	2	1		LS		171	153	DO	2.88	1	0.10			1
CC-03	11	03/31/1996	630	2	1		LS		171	153	DO	0.50	1	0.10			1
CC-03	11	03/31/1996	640	2	1		LS		171	153	DO	8.34	1	0.10			1
CC-03	11	03/31/1996	919	2	1		LS		171	153	DO	2.50	1	0.10			1
CC-03	11	03/31/1996	1019	2	1		LS		171	153	DO	0.30	1	0.10			1
CC-03	11	03/31/1996	1025	2	1		LS		171	153	DO	8.62	1	0.10			1
CC-03	11	03/31/1996	1130	2	1		LS		171	153	DO	6.43	1	0.10			1
CC-03	11	03/31/1996	1246	2	1		LS		171	153	DO	2.82	1	0.10			1
CC-03	11	03/31/1996	1330	2	1		LS		171	153	DO	1.03	1	0.10			1
CC-03	11	03/31/1996	1345	2	1		LS		171	153	DO	9.52	1	0.10			1
CC-03	11	03/31/1996	1415	2	1		LS		171	153	DO	7.85	1	0.10			1
CC-03	11	03/31/1996	1500	2	1		LS		171	153	DO	5.02	1	0.10			1
CC-03	11	03/31/1996	1535	2	1		LS		171	153	DO	2.70	1	0.10			1
CC-03	11	03/31/1996	1615	2	1		LS		171	153	DO	0.75	1	0.10			1
CC-03	11	03/31/1996	1620	2	1		LS		171	153	DO	8.73	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-03	11	03/31/1996	1700	2	1		LS		171	153	DO	6.50	1	0.10			1
CC-03	11	03/31/1996	1800	2	1		LS		171	153	DO	0.20	1	0.10			1
CC-03	11	03/31/1996	1815	2	1		LS		171	153	DO	10.22	1	0.10			1
CC-03	11	03/31/1996	2000	2	1		LS		171	153	DO	0.14	1	0.10			1
CC-03	11	03/31/1996	2020	2	1		LS		171	153	DO	9.22	1	0.10			1
CC-03	11	03/31/1996	2100	2	1		LS		171	153	DO	5.30	1	0.10			1
CC-03	11	03/31/1996	2145	2	1		LS		171	153	DO	0.19	1	0.10			1
CC-03	11	03/31/1996	2200	2	1		LS		171	153	DO	9.21	1	0.10			1
CC-03	11	03/31/1996	2230	2	1		LS		171	153	DO	5.91	1	0.10			1
CC-03	11	03/31/1996	119	2	1		LS		2	153	DO	8.50	1	0.10			1
CC-03	11	03/31/1996	220	2	1		LS		2	153	DO	7.45	1	0.10			1
CC-03	11	03/31/1996	500	2	1		LS		2	153	DO	3.94	1	0.10			1
CC-03	11	03/31/1996	630	2	1		LS		2	153	DO	1.61	1	0.10			1
CC-03	11	03/31/1996	640	2	1		LS		2	153	DO	8.37	1	0.10			1
CC-03	11	03/31/1996	919	2	1		LS		2	153	DO	2.86	1	0.10			1
CC-03	11	03/31/1996	1019	2	1		LS		2	153	DO	0.50	1	0.10			1
CC-03	11	03/31/1996	1025	2	1		LS		2	153	DO	8.65	1	0.10			1
CC-03	11	03/31/1996	1130	2	1		LS		2	153	DO	6.67	1	0.10			1
CC-03	11	03/31/1996	1246	2	1		LS		2	153	DO	2.99	1	0.10			1
CC-03	11	03/31/1996	1330	2	1		LS		2	153	DO	1.17	1	0.10			1
CC-03	11	03/31/1996	1345	2	1		LS		2	153	DO	9.49	1	0.10			1
CC-03	11	03/31/1996	1415	2	1		LS		2	153	DO	7.38	1	0.10			1
CC-03	11	03/31/1996	1500	2	1		LS		2	153	DO	5.03	1	0.10			1
CC-03	11	03/31/1996	1535	2	1		LS		2	153	DO	2.33	1	0.10			1
CC-03	11	03/31/1996	1615	2	1		LS		2	153	DO	0.49	1	0.10			1
CC-03	11	03/31/1996	1620	2	1		LS		2	153	DO	8.87	1	0.10			1
CC-03	11	03/31/1996	1700	2	1		LS		2	153	DO	5.02	1	0.10			1
CC-03	11	03/31/1996	1800	2	1		LS		2	153	DO	0.94	1	0.10			1
CC-03	11	03/31/1996	1815	2	1		LS		2	153	DO	10.36	1	0.10			1
CC-03	11	03/31/1996	2000	2	1		LS		2	153	DO	0.13	1	0.10			1
CC-03	11	03/31/1996	2020	2	1		LS		2	153	DO	9.12	1	0.10			1
CC-03	11	03/31/1996	2100	2	1		LS		2	153	DO	5.01	1	0.10			1
CC-03	11	03/31/1996	2145	2	1		LS		2	153	DO	0.17	1	0.10			1
CC-03	11	03/31/1996	2200	2	1		LS		2	153	DO	9.06	1	0.10			1
CC-03	11	03/31/1996	2230	2	1		LS		2	153	DO	5.52	1	0.10			1
CC-03	11	03/31/1996	119	2	1		LS		36	153	DO	8.69	1	0.10			1
CC-03	11	03/31/1996	220	2	1		LS		36	153	DO	7.66	1	0.10			1
CC-03	11	03/31/1996	500	2	1		LS		36	153	DO	3.63	1	0.10			1
CC-03	11	03/31/1996	630	2	1		LS		36	153	DO	1.51	1	0.10			1
CC-03	11	03/31/1996	640	2	1		LS		36	153	DO	8.36	1	0.10			1
CC-03	11	03/31/1996	919	2	1		LS		36	153	DO	3.71	1	0.10			1
CC-03	11	03/31/1996	1019	2	1		LS		36	153	DO	1.10	1	0.10			1
CC-03	11	03/31/1996	1025	2	1		LS		36	153	DO	8.66	1	0.10			1
CC-03	11	03/31/1996	1130	2	1		LS		36	153	DO	6.65	1	0.10			1
CC-03	11	03/31/1996	1246	2	1		LS		36	153	DO	3.03	1	0.10			1
CC-03	11	03/31/1996	1330	2	1		LS		36	153	DO	0.90	1	0.10			1
CC-03	11	03/31/1996	1345	2	1		LS		36	153	DO	9.68	1	0.10			1
CC-03	11	03/31/1996	1415	2	1		LS		36	153	DO	7.77	1	0.10			1
CC-03	11	03/31/1996	1500	2	1		LS		36	153	DO	5.08	1	0.10			1
CC-03	11	03/31/1996	1535	2	1		LS		36	153	DO	2.77	1	0.10			1
CC-03	11	03/31/1996	1615	2	1		LS		36	153	DO	0.55	1	0.10			1
CC-03	11	03/31/1996	1620	2	1		LS		36	153	DO	8.75	1	0.10			1
CC-03	11	03/31/1996	1700	2	1		LS		36	153	DO	5.59	1	0.10			1
CC-03	11	03/31/1996	1800	2	1		LS		36	153	DO	0.73	1	0.10			1
CC-03	11	03/31/1996	1815	2	1		LS		36	153	DO	10.38	1	0.10			1
CC-03	11	03/31/1996	2000	2	1		LS		36	153	DO	0.19	1	0.10			1
CC-03	11	03/31/1996	2020	2	1		LS		36	153	DO	9.59	1	0.10			1
CC-03	11	03/31/1996	2100	2	1		LS		36	153	DO	4.97	1	0.10			1
CC-03	11	03/31/1996	2145	2	1		LS		36	153	DO	0.46	1	0.10			1
CC-03	11	03/31/1996	2200	2	1		LS		36	153	DO	9.62	1	0.10			1
CC-03	11	03/31/1996	2230	2	1		LS		36	153	DO	5.49	1	0.10			1



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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
UL-01	13	01/17/1996			1	1	0.5 G			14	DO	14.00	1	0.1			1
UL-01	13	01/17/1996			1	1	1 G			14	DO	10.80	1	0.1			1
UL-01	13	01/17/1996			1	1	2 G			14	DO	8.80	1	0.1			1
UL-01	13	01/17/1996			1	1	3 G			14	DO	7.90	1	0.1			1
UL-01	13	01/17/1996			1	1	4 G			14	DO	6.00	1	0.1			1
UL-01	13	01/17/1996			1	1	5 G			14	DO	4.00	1	0.1			1
UL-01	13	04/04/1996			1	1	0.5 G			14	DO	16.00	1	0.1			1
UL-01	13	04/04/1996			1	1	1 G			14	DO	16.00	1	0.1			1
UL-01	13	04/04/1996			1	1	2 G			14	DO	16.00	1	0.1			1
UL-01	13	04/04/1996			1	1	1.5 G			14	DO	16.00	1	0.1			1
UL-02	14	01/17/1996			1	1	0.5 G			14	DO	15.00	1	0.1			1
UL-02	14	01/17/1996			1	1	1 G			14	DO	17.50	1	0.1			2
UL-02	14	01/17/1996			1	1	2 G			14	DO	16.80	1	0.1			2
UL-02	14	01/17/1996			1	1	2.5 G			14	DO	13.00	1	0.1			1
WC-01	15	01/18/1996			1	1	0.5 G			14	DO	13.00	1	0.1			1
WC-01	15	01/18/1996			1	1	1 G			14	DO	15.00	1	0.1			1
WC-01	15	01/18/1996			1	1	2 G			14	DO	12.40	1	0.1			1
WC-01	15	04/04/1996			1	1	0.5 G			14	DO	16.00	1	0.1			1
WC-01	15	04/04/1996			1	1	1 G			14	DO	16.00	1	0.1			1
WC-01	15	04/04/1996			1	1	1.5 G			14	DO	16.00	1	0.1			1
WC-02	16	01/18/1996			1	1	0.5 G			14	DO	10.00	1	0.1			1
WC-02	16	01/18/1996			1	1	0.5 G			14	DO	9.40	1	0.1			1
WC-02	16	01/18/1996			1	1	1.5 G			14	DO	9.20	1	0.1			1
WC-02	16	01/18/1996			1	1	2.5 G			14	DO	4.40	1	0.1			1
WC-02	16	01/18/1996			1	1	3 G			14	DO	3.50	1	0.1			1
CAM-01	17	03/19/1996	1600		2	1	LS		176	150	DO	10.97	1	0.10			1
CAM-01	17	03/19/1996	1600		2	1	LS		146	150	DO	11.08	1	0.10			1
CAM-01	17	03/19/1996	1600		2	1	LS		175	150	DO	11.08	1	0.10			1
CAM-01	17	03/19/1996	1600		2	1	LS		28	150	DO	11.06	1	0.10			1
CAM-01	17	03/19/1996	1600		2	1	LS		12	150	DO	11.05	1	0.10			1
CAM-01	17	03/19/1996	1600		2	1	LS		97	150	DO	11.02	1	0.10			1
CAM-01	17	03/20/1996	615		2	1	LS		204	152	DO	10.13	1	0.10			1
CAM-01	17	03/20/1996	615		2	1	LS		105	152	DO	10.18	1	0.10			1
CAM-01	17	03/20/1996	615		2	1	LS		189	152	DO	10.21	1	0.10			1
CAM-01	17	03/20/1996	615		2	1	LS		172	152	DO	10.26	1	0.10			1
CAM-01	17	03/20/1996	615		2	1	LS		110	152	DO	10.33	1	0.10			1
CAM-01	17	03/20/1996	615		2	1	LS		198	152	DO	10.20	1	0.10			1
CAM-01	17	03/21/1996	715		2	1	LS		176	150	DO	7.08	1	0.10			1
CAM-01	17	03/21/1996	830		2	1	LS		176	150	DO	6.08	1	0.10			1
CAM-01	17	03/21/1996	915		2	1	LS		176	150	DO	5.44	1	0.10			1
CAM-01	17	03/21/1996	945		2	1	LS		176	150	DO	4.92	1	0.10			1
CAM-01	17	03/21/1996	1015		2	1	LS		176	150	DO	4.28	1	0.10			1
CAM-01	17	03/21/1996	1045		2	1	LS		176	150	DO	3.29	1	0.10			1
CAM-01	17	03/21/1996	1145		2	1	LS		176	150	DO	2.55	1	0.10			1
CAM-01	17	03/21/1996	1215		2	1	LS		176	150	DO	0.50	1	0.10			1
CAM-01	17	03/21/1996	715		2	1	LS		146	150	DO	9.90	1	0.10			1
CAM-01	17	03/21/1996	830		2	1	LS		146	150	DO	8.45	1	0.10			1
CAM-01	17	03/21/1996	915		2	1	LS		146	150	DO	7.86	1	0.10			1
CAM-01	17	03/21/1996	1015		2	1	LS		146	150	DO	7.87	1	0.10			1
CAM-01	17	03/21/1996	1145		2	1	LS		146	150	DO	6.44	1	0.10			1
CAM-01	17	03/21/1996	1245		2	1	LS		146	150	DO	5.60	1	0.10			1
CAM-01	17	03/21/1996	1345		2	1	LS		146	150	DO	4.32	1	0.10			1
CAM-01	17	03/21/1996	1415		2	1	LS		146	150	DO	3.70	1	0.10			1
CAM-01	17	03/21/1996	1515		2	1	LS		146	150	DO	2.60	1	0.10			1
CAM-01	17	03/21/1996	1545		2	1	LS		146	150	DO	1.65	1	0.10			1
CAM-01	17	03/21/1996	1745		2	1	LS		146	150	DO	0.50	1	0.10			1
CAM-01	17	03/21/1996	715		2	1	LS		175	150	DO	10.57	1	0.10			1
CAM-01	17	03/21/1996	830		2	1	LS		175	150	DO	10.37	1	0.10			1
CAM-01	17	03/21/1996	915		2	1	LS		175	150	DO	9.99	1	0.10			1
CAM-01	17	03/21/1996	1015		2	1	LS		175	150	DO	9.99	1	0.10			1
CAM-01	17	03/21/1996	1145		2	1	LS		175	150	DO	10.14	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CAM-01	17	03/21/1996	1245	2	1		LS		175	150	DO	10.19	1	0.10			1
CAM-01	17	03/21/1996	1345	2	1		LS		175	150	DO	10.12	1	0.10			1
CAM-01	17	03/21/1996	1415	2	1		LS		175	150	DO	9.93	1	0.10			1
CAM-01	17	03/21/1996	1515	2	1		LS		175	150	DO	9.65	1	0.10			1
CAM-01	17	03/21/1996	1545	2	1		LS		175	150	DO	9.28	1	0.10			1
CAM-01	17	03/21/1996	1745	2	1		LS		175	150	DO	8.74	1	0.10			1
CAM-01	17	03/21/1996	2300	2	1		LS		175	150	DO	7.15	1	0.10			1
CAM-01	17	03/21/1996	715	2	1		LS		28	150	DO	10.25	1	0.10			1
CAM-01	17	03/21/1996	830	2	1		LS		28	150	DO	9.97	1	0.10			1
CAM-01	17	03/21/1996	915	2	1		LS		28	150	DO	9.47	1	0.10			1
CAM-01	17	03/21/1996	1015	2	1		LS		28	150	DO	9.98	1	0.10			1
CAM-01	17	03/21/1996	1145	2	1		LS		28	150	DO	9.45	1	0.10			1
CAM-01	17	03/21/1996	1245	2	1		LS		28	150	DO	9.19	1	0.10			1
CAM-01	17	03/21/1996	1345	2	1		LS		28	150	DO	8.83	1	0.10			1
CAM-01	17	03/21/1996	1415	2	1		LS		28	150	DO	8.85	1	0.10			1
CAM-01	17	03/21/1996	1515	2	1		LS		28	150	DO	7.97	1	0.10			1
CAM-01	17	03/21/1996	1545	2	1		LS		28	150	DO	7.65	1	0.10			1
CAM-01	17	03/21/1996	1745	2	1		LS		28	150	DO	6.45	1	0.10			1
CAM-01	17	03/21/1996	2300	2	1		LS		28	150	DO	4.28	1	0.10			1
CAM-01	17	03/21/1996	715	2	1		LS		12	150	DO	9.90	1	0.10			1
CAM-01	17	03/21/1996	830	2	1		LS		12	150	DO	9.59	1	0.10			1
CAM-01	17	03/21/1996	915	2	1		LS		12	150	DO	9.11	1	0.10			1
CAM-01	17	03/21/1996	1015	2	1		LS		12	150	DO	9.23	1	0.10			1
CAM-01	17	03/21/1996	1145	2	1		LS		12	150	DO	8.63	1	0.10			1
CAM-01	17	03/21/1996	1245	2	1		LS		12	150	DO	8.08	1	0.10			1
CAM-01	17	03/21/1996	1345	2	1		LS		12	150	DO	7.14	1	0.10			1
CAM-01	17	03/21/1996	1415	2	1		LS		12	150	DO	7.04	1	0.10			1
CAM-01	17	03/21/1996	1515	2	1		LS		12	150	DO	6.23	1	0.10			1
CAM-01	17	03/21/1996	1545	2	1		LS		12	150	DO	5.64	1	0.10			1
CAM-01	17	03/21/1996	1745	2	1		LS		12	150	DO	4.07	1	0.10			1
CAM-01	17	03/21/1996	2300	2	1		LS		12	150	DO	1.79	1	0.10			1
CAM-01	17	03/21/1996	715	2	1		LS		97	150	DO	9.38	1	0.10			1
CAM-01	17	03/21/1996	830	2	1		LS		97	150	DO	8.96	1	0.10			1
CAM-01	17	03/21/1996	915	2	1		LS		97	150	DO	9.81	1	0.10			1
CAM-01	17	03/21/1996	1015	2	1		LS		97	150	DO	8.41	1	0.10			1
CAM-01	17	03/21/1996	1145	2	1		LS		97	150	DO	7.28	1	0.10			1
CAM-01	17	03/21/1996	1245	2	1		LS		97	150	DO	6.63	1	0.10			1
CAM-01	17	03/21/1996	1345	2	1		LS		97	150	DO	5.81	1	0.10			1
CAM-01	17	03/21/1996	1415	2	1		LS		97	150	DO	5.47	1	0.10			1
CAM-01	17	03/21/1996	1515	2	1		LS		97	150	DO	4.41	1	0.10			1
CAM-01	17	03/21/1996	1545	2	1		LS		97	150	DO	3.95	1	0.10			1
CAM-01	17	03/21/1996	1745	2	1		LS		97	150	DO	4.48	1	0.10			1
CAM-01	17	03/21/1996	2300	2	1		LS		97	150	DO	0.27	1	0.10			1
CAM-01	17	03/21/1996	700	2	1		LS		204	152	DO	9.50	1	0.10			1
CAM-01	17	03/21/1996	1100	2	1		LS		204	152	DO	9.87	1	0.10			1
CAM-01	17	03/21/1996	1500	2	1		LS		204	152	DO	9.81	1	0.10			1
CAM-01	17	03/21/1996	2000	2	1		LS		204	152	DO	9.49	1	0.10			1
CAM-01	17	03/21/1996	2305	2	1		LS		204	152	DO	9.31	1	0.10			1
CAM-01	17	03/21/1996	2400	2	1		LS		204	152	DO	9.01	1	0.10			1
CAM-01	17	03/21/1996	700	2	1		LS		105	152	DO	9.54	1	0.10			1
CAM-01	17	03/21/1996	1100	2	1		LS		105	152	DO	9.92	1	0.10			1
CAM-01	17	03/21/1996	1500	2	1		LS		105	152	DO	9.84	1	0.10			1
CAM-01	17	03/21/1996	2000	2	1		LS		105	152	DO	9.52	1	0.10			1
CAM-01	17	03/21/1996	2305	2	1		LS		105	152	DO	9.59	1	0.10			1
CAM-01	17	03/21/1996	2400	2	1		LS		105	152	DO	9.45	1	0.10			1
CAM-01	17	03/21/1996	700	2	1		LS		189	152	DO	9.48	1	0.10			1
CAM-01	17	03/21/1996	1100	2	1		LS		189	152	DO	9.33	1	0.10			1
CAM-01	17	03/21/1996	1500	2	1		LS		189	152	DO	9.63	1	0.10			1
CAM-01	17	03/21/1996	2000	2	1		LS		189	152	DO	9.28	1	0.10			1
CAM-01	17	03/21/1996	2305	2	1		LS		189	152	DO	9.16	1	0.10			1
CAM-01	17	03/21/1996	2400	2	1		LS		189	152	DO	8.85	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CAM-01	17	03/21/1996	700	2	1		LS		172	152	DO	9.58	1	0.10			1
CAM-01	17	03/21/1996	1100	2	1		LS		172	152	DO	9.93	1	0.10			1
CAM-01	17	03/21/1996	1500	2	1		LS		172	152	DO	9.81	1	0.10			1
CAM-01	17	03/21/1996	2000	2	1		LS		172	152	DO	9.57	1	0.10			1
CAM-01	17	03/21/1996	2305	2	1		LS		172	152	DO	9.43	1	0.10			1
CAM-01	17	03/21/1996	2400	2	1		LS		172	152	DO	9.73	1	0.10			1
CAM-01	17	03/21/1996	700	2	1		LS		110	152	DO	9.65	1	0.10			1
CAM-01	17	03/21/1996	1100	2	1		LS		110	152	DO	10.06	1	0.10			1
CAM-01	17	03/21/1996	1500	2	1		LS		110	152	DO	10.06	1	0.10			1
CAM-01	17	03/21/1996	2000	2	1		LS		110	152	DO	9.97	1	0.10			1
CAM-01	17	03/21/1996	2305	2	1		LS		110	152	DO	9.92	1	0.10			1
CAM-01	17	03/21/1996	2400	2	1		LS		110	152	DO	10.16	1	0.10			1
CAM-01	17	03/21/1996	700	2	1		LS		198	152	DO	9.42	1	0.10			1
CAM-01	17	03/21/1996	1100	2	1		LS		198	152	DO	9.57	1	0.10			1
CAM-01	17	03/21/1996	1500	2	1		LS		198	152	DO	9.59	1	0.10			1
CAM-01	17	03/21/1996	2000	2	1		LS		198	152	DO	9.45	1	0.10			1
CAM-01	17	03/21/1996	2305	2	1		LS		198	152	DO	9.08	1	0.10			1
CAM-01	17	03/22/1996	50	2	1		LS		175	150	DO	6.43	1	0.10			1
CAM-01	17	03/22/1996	255	2	1		LS		175	150	DO	5.52	1	0.10			1
CAM-01	17	03/22/1996	345	2	1		LS		175	150	DO	5.08	1	0.10			1
CAM-01	17	03/22/1996	440	2	1		LS		175	150	DO	4.62	1	0.10			1
CAM-01	17	03/22/1996	810	2	1		LS		175	150	DO	2.40	1	0.10			1
CAM-01	17	03/22/1996	910	2	1		LS		175	150	DO	1.70	1	0.10			1
CAM-01	17	03/22/1996	945	2	1		LS		175	150	DO	1.71	1	0.10			1
CAM-01	17	03/22/1996	1030	2	1		LS		175	150	DO	1.79	1	0.10			1
CAM-01	17	03/22/1996	1430	2	1		LS		175	150	DO	1.70	1	0.10			1
CAM-01	17	03/22/1996	50	2	1		LS		28	150	DO	3.12	1	0.10			1
CAM-01	17	03/22/1996	255	2	1		LS		28	150	DO	1.91	1	0.10			1
CAM-01	17	03/22/1996	345	2	1		LS		28	150	DO	1.42	1	0.10			1
CAM-01	17	03/22/1996	440	2	1		LS		28	150	DO	0.97	1	0.10			1
CAM-01	17	03/22/1996	50	2	1		LS		12	150	DO	0.77	1	0.10			1
CAM-01	17	03/22/1996	820	2	1		LS		204	152	DO	8.70	1	0.10			1
CAM-01	17	03/22/1996	1035	2	1		LS		204	152	DO	8.18	1	0.10			1
CAM-01	17	03/22/1996	1430	2	1		LS		204	152	DO	6.95	1	0.10			1
CAM-01	17	03/22/1996	1600	2	1		LS		204	152	DO	5.97	1	0.10			1
CAM-01	17	03/22/1996	1710	2	1		LS		204	152	DO	5.65	1	0.10			1
CAM-01	17	03/22/1996	1820	2	1		LS		204	152	DO	4.53	1	0.10			1
CAM-01	17	03/22/1996	1925	2	1		LS		204	152	DO	3.49	1	0.10			1
CAM-01	17	03/22/1996	2030	2	1		LS		204	152	DO	2.26	1	0.10			1
CAM-01	17	03/22/1996	2300	2	1		LS		204	152	DO	1.98	1	0.10			1
CAM-01	17	03/22/1996	2330	2	1		LS		204	152	DO	12.96	1	0.10			1
CAM-01	17	03/22/1996	820	2	1		LS		105	152	DO	8.87	1	0.10			1
CAM-01	17	03/22/1996	1035	2	1		LS		105	152	DO	8.60	1	0.10			1
CAM-01	17	03/22/1996	1430	2	1		LS		105	152	DO	7.35	1	0.10			1
CAM-01	17	03/22/1996	1600	2	1		LS		105	152	DO	6.32	1	0.10			1
CAM-01	17	03/22/1996	1710	2	1		LS		105	152	DO	6.12	1	0.10			1
CAM-01	17	03/22/1996	1820	2	1		LS		105	152	DO	5.21	1	0.10			1
CAM-01	17	03/22/1996	1925	2	1		LS		105	152	DO	4.16	1	0.10			1
CAM-01	17	03/22/1996	2030	2	1		LS		105	152	DO	2.86	1	0.10			1
CAM-01	17	03/22/1996	2300	2	1		LS		105	152	DO	2.50	1	0.10			1
CAM-01	17	03/22/1996	2330	2	1		LS		105	152	DO	12.93	1	0.10			1
CAM-01	17	03/22/1996	820	2	1		LS		189	152	DO	7.89	1	0.10			1
CAM-01	17	03/22/1996	1035	2	1		LS		189	152	DO	7.15	1	0.10			1
CAM-01	17	03/22/1996	1430	2	1		LS		189	152	DO	5.12	1	0.10			1
CAM-01	17	03/22/1996	1600	2	1		LS		189	152	DO	3.23	1	0.10			1
CAM-01	17	03/22/1996	1710	2	1		LS		189	152	DO	2.77	1	0.10			1
CAM-01	17	03/22/1996	1820	2	1		LS		189	152	DO	1.81	1	0.10			1
CAM-01	17	03/22/1996	1925	2	1		LS		189	152	DO	0.18	1	0.10			1
CAM-01	17	03/22/1996	2030	2	1		LS		189	152	DO	0.24	1	0.10			1
CAM-01	17	03/22/1996	2300	2	1		LS		189	152	DO	0.10	1	0.10			1
CAM-01	17	03/22/1996	2330	2	1		LS		189	152	DO	13.10	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CAM-01	17	03/22/1996	1035	2	1		LS		172	152	DO	8.78	1	0.10			1
CAM-01	17	03/22/1996	1430	2	1		LS		172	152	DO	7.56	1	0.10			1
CAM-01	17	03/22/1996	1600	2	1		LS		172	152	DO	6.41	1	0.10			1
CAM-01	17	03/22/1996	1710	2	1		LS		172	152	DO	6.04	1	0.10			1
CAM-01	17	03/22/1996	1820	2	1		LS		172	152	DO	5.14	1	0.10			1
CAM-01	17	03/22/1996	1925	2	1		LS		172	152	DO	6.64	1	0.10			1
CAM-01	17	03/22/1996	2030	2	1		LS		172	152	DO	2.48	1	0.10			1
CAM-01	17	03/22/1996	2300	2	1		LS		172	152	DO	1.81	1	0.10			1
CAM-01	17	03/22/1996	2330	2	1		LS		172	152	DO	12.81	1	0.10			1
CAM-01	17	03/22/1996	820	2	1		LS		110	152	DO	9.10	1	0.10			1
CAM-01	17	03/22/1996	1035	2	1		LS		110	152	DO	9.34	1	0.10			1
CAM-01	17	03/22/1996	1430	2	1		LS		110	152	DO	8.77	1	0.10			1
CAM-01	17	03/22/1996	1600	2	1		LS		110	152	DO	8.41	1	0.10			1
CAM-01	17	03/22/1996	1710	2	1		LS		110	152	DO	8.11	1	0.10			1
CAM-01	17	03/22/1996	1820	2	1		LS		110	152	DO	7.57	1	0.10			1
CAM-01	17	03/22/1996	1925	2	1		LS		110	152	DO	7.09	1	0.10			1
CAM-01	17	03/22/1996	2030	2	1		LS		110	152	DO	6.03	1	0.10			1
CAM-01	17	03/22/1996	2300	2	1		LS		110	152	DO	5.64	1	0.10			1
CAM-01	17	03/22/1996	2330	2	1		LS		110	152	DO	13.30	1	0.10			1
CAM-01	17	03/22/1996	820	2	1		LS		198	152	DO	9.53	1	0.10			1
CAM-01	17	03/23/1996	600	2	1		LS		204	152	DO	2.08	1	0.10			1
CAM-01	17	03/23/1996	650	2	1		LS		204	152	DO	0.35	1	0.10			1
CAM-01	17	03/23/1996	750	2	1		LS		204	152	DO	12.20	1	0.10			1
CAM-01	17	03/23/1996	830	2	1		LS		204	152	DO	11.48	1	0.10			1
CAM-01	17	03/23/1996	930	2	1		LS		204	152	DO	10.13	1	0.10			1
CAM-01	17	03/23/1996	1030	2	1		LS		204	152	DO	8.57	1	0.10			1
CAM-01	17	03/23/1996	1130	2	1		LS		204	152	DO	7.17	1	0.10			1
CAM-01	17	03/23/1996	1220	2	1		LS		204	152	DO	5.86	1	0.10			1
CAM-01	17	03/23/1996	1300	2	1		LS		204	152	DO	4.80	1	0.10			1
CAM-01	17	03/23/1996	1330	2	1		LS		204	152	DO	3.64	1	0.10			1
CAM-01	17	03/23/1996	1410	2	1		LS		204	152	DO	2.14	1	0.10			1
CAM-01	17	03/23/1996	1500	2	1		LS		204	152	DO	0.08	1	0.10			1
CAM-01	17	03/23/1996	1515	2	1		LS		204	152	DO	9.73	1	0.10			1
CAM-01	17	03/23/1996	1555	2	1		LS		204	152	DO	7.21	1	0.10			1
CAM-01	17	03/23/1996	1640	2	1		LS		204	152	DO	4.76	1	0.10			1
CAM-01	17	03/23/1996	1725	2	1		LS		204	152	DO	1.40	1	0.10			1
CAM-01	17	03/23/1996	1805	2	1		LS		204	152	DO	0.19	1	0.10			1
CAM-01	17	03/23/1996	1815	2	1		LS		204	152	DO	9.89	1	0.10			1
CAM-01	17	03/23/1996	1855	2	1		LS		204	152	DO	7.65	1	0.10			1
CAM-01	17	03/23/1996	1930	2	1		LS		204	152	DO	5.60	1	0.10			1
CAM-01	17	03/23/1996	2005	2	1		LS		204	152	DO	2.60	1	0.10			1
CAM-01	17	03/23/1996	2045	2	1		LS		204	152	DO	0.21	1	0.10			1
CAM-01	17	03/23/1996	2100	2	1		LS		204	152	DO	8.07	1	0.10			1
CAM-01	17	03/23/1996	2140	2	1		LS		204	152	DO	5.00	1	0.10			1
CAM-01	17	03/23/1996	2310	2	1		LS		204	152	DO	0.15	1	0.10			1
CAM-01	17	03/23/1996	2320	2	1		LS		204	152	DO	8.53	1	0.10			1
CAM-01	17	03/23/1996	2355	2	1		LS		204	152	DO	0.50	1	0.10			1
CAM-01	17	03/23/1996	600	2	1		LS		105	152	DO	3.51	1	0.10			1
CAM-01	17	03/23/1996	650	2	1		LS		105	152	DO	2.01	1	0.10			1
CAM-01	17	03/23/1996	730	2	1		LS		105	152	DO	0.47	1	0.10			1
CAM-01	17	03/23/1996	750	2	1		LS		105	152	DO	12.22	1	0.10			1
CAM-01	17	03/23/1996	830	2	1		LS		105	152	DO	11.44	1	0.10			1
CAM-01	17	03/23/1996	930	2	1		LS		105	152	DO	10.07	1	0.10			1
CAM-01	17	03/23/1996	1030	2	1		LS		105	152	DO	8.56	1	0.10			1
CAM-01	17	03/23/1996	1130	2	1		LS		105	152	DO	7.04	1	0.10			1
CAM-01	17	03/23/1996	1220	2	1		LS		105	152	DO	5.62	1	0.10			1
CAM-01	17	03/23/1996	1300	2	1		LS		105	152	DO	4.58	1	0.10			1
CAM-01	17	03/23/1996	1330	2	1		LS		105	152	DO	3.32	1	0.10			1
CAM-01	17	03/23/1996	1410	2	1		LS		105	152	DO	1.58	1	0.10			1
CAM-01	17	03/23/1996	1500	2	1		LS		105	152	DO	0.11	1	0.10			1
CAM-01	17	03/23/1996	1515	2	1		LS		105	152	DO	10.02	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CAM-01	17	03/23/1996	1555	2	1		LS		105	152	DO	7.64	1	0.10			1
CAM-01	17	03/23/1996	1640	2	1		LS		105	152	DO	4.87	1	0.10			1
CAM-01	17	03/23/1996	1725	2	1		LS		105	152	DO	1.70	1	0.10			1
CAM-01	17	03/23/1996	1805	2	1		LS		105	152	DO	0.25	1	0.10			1
CAM-01	17	03/23/1996	1815	2	1		LS		105	152	DO	10.04	1	0.10			1
CAM-01	17	03/23/1996	1855	2	1		LS		105	152	DO	7.83	1	0.10			1
CAM-01	17	03/23/1996	1930	2	1		LS		105	152	DO	5.51	1	0.10			1
CAM-01	17	03/23/1996	2005	2	1		LS		105	152	DO	3.02	1	0.10			1
CAM-01	17	03/23/1996	2045	2	1		LS		105	152	DO	0.20	1	0.10			1
CAM-01	17	03/23/1996	2100	2	1		LS		105	152	DO	8.05	1	0.10			1
CAM-01	17	03/23/1996	2140	2	1		LS		105	152	DO	5.04	1	0.10			1
CAM-01	17	03/23/1996	2310	2	1		LS		105	152	DO	0.19	1	0.10			1
CAM-01	17	03/23/1996	2320	2	1		LS		105	152	DO	8.58	1	0.10			1
CAM-01	17	03/23/1996	2355	2	1		LS		105	152	DO	0.82	1	0.10			1
CAM-01	17	03/23/1996	600	2	1		LS		189	152	DO	0.81	1	0.10			1
CAM-01	17	03/23/1996	650	2	1		LS		189	152	DO	0.20	1	0.10			1
CAM-01	17	03/23/1996	750	2	1		LS		189	152	DO	12.34	1	0.10			1
CAM-01	17	03/23/1996	830	2	1		LS		189	152	DO	11.42	1	0.10			1
CAM-01	17	03/23/1996	930	2	1		LS		189	152	DO	9.98	1	0.10			1
CAM-01	17	03/23/1996	1030	2	1		LS		189	152	DO	8.36	1	0.10			1
CAM-01	17	03/23/1996	1130	2	1		LS		189	152	DO	7.42	1	0.10			1
CAM-01	17	03/23/1996	1220	2	1		LS		189	152	DO	5.44	1	0.10			1
CAM-01	17	03/23/1996	1300	2	1		LS		189	152	DO	4.31	1	0.10			1
CAM-01	17	03/23/1996	1330	2	1		LS		189	152	DO	3.04	1	0.10			1
CAM-01	17	03/23/1996	1410	2	1		LS		189	152	DO	1.56	1	0.10			1
CAM-01	17	03/23/1996	1500	2	1		LS		189	152	DO	0.06	1	0.10			1
CAM-01	17	03/23/1996	1515	2	1		LS		189	152	DO	9.89	1	0.10			1
CAM-01	17	03/23/1996	1555	2	1		LS		189	152	DO	7.58	1	0.10			1
CAM-01	17	03/23/1996	1640	2	1		LS		189	152	DO	4.90	1	0.10			1
CAM-01	17	03/23/1996	1725	2	1		LS		189	152	DO	2.02	1	0.10			1
CAM-01	17	03/23/1996	1805	2	1		LS		189	152	DO	0.18	1	0.10			1
CAM-01	17	03/23/1996	1815	2	1		LS		189	152	DO	10.00	1	0.10			1
CAM-01	17	03/23/1996	1855	2	1		LS		189	152	DO	7.90	1	0.10			1
CAM-01	17	03/23/1996	1930	2	1		LS		189	152	DO	5.60	1	0.10			1
CAM-01	17	03/23/1996	2005	2	1		LS		189	152	DO	3.22	1	0.10			1
CAM-01	17	03/23/1996	2045	2	1		LS		189	152	DO	0.40	1	0.10			1
CAM-01	17	03/23/1996	2100	2	1		LS		189	152	DO	7.92	1	0.10			1
CAM-01	17	03/23/1996	2140	2	1		LS		189	152	DO	4.99	1	0.10			1
CAM-01	17	03/23/1996	2310	2	1		LS		189	152	DO	0.14	1	0.10			1
CAM-01	17	03/23/1996	2320	2	1		LS		189	152	DO	8.53	1	0.10			1
CAM-01	17	03/23/1996	2355	2	1		LS		189	152	DO	0.41	1	0.10			1
CAM-01	17	03/23/1996	600	2	1		LS		172	152	DO	2.69	1	0.10			1
CAM-01	17	03/23/1996	650	2	1		LS		172	152	DO	1.43	1	0.10			1
CAM-01	17	03/23/1996	730	2	1		LS		172	152	DO	0.40	1	0.10			1
CAM-01	17	03/23/1996	750	2	1		LS		172	152	DO	12.60	1	0.10			1
CAM-01	17	03/23/1996	830	2	1		LS		172	152	DO	11.44	1	0.10			1
CAM-01	17	03/23/1996	930	2	1		LS		172	152	DO	10.06	1	0.10			1
CAM-01	17	03/23/1996	1030	2	1		LS		172	152	DO	8.49	1	0.10			1
CAM-01	17	03/23/1996	1130	2	1		LS		172	152	DO	7.01	1	0.10			1
CAM-01	17	03/23/1996	1220	2	1		LS		172	152	DO	5.63	1	0.10			1
CAM-01	17	03/23/1996	1300	2	1		LS		172	152	DO	4.66	1	0.10			1
CAM-01	17	03/23/1996	1330	2	1		LS		172	152	DO	3.62	1	0.10			1
CAM-01	17	03/23/1996	1410	2	1		LS		172	152	DO	1.90	1	0.10			1
CAM-01	17	03/23/1996	1500	2	1		LS		172	152	DO	0.11	1	0.10			1
CAM-01	17	03/23/1996	1515	2	1		LS		172	152	DO	9.72	1	0.10			1
CAM-01	17	03/23/1996	1555	2	1		LS		172	152	DO	7.73	1	0.10			1
CAM-01	17	03/23/1996	1640	2	1		LS		172	152	DO	4.53	1	0.10			1
CAM-01	17	03/23/1996	1725	2	1		LS		172	152	DO	1.78	1	0.10			1
CAM-01	17	03/23/1996	1805	2	1		LS		172	152	DO	0.16	1	0.10			1
CAM-01	17	03/23/1996	1815	2	1		LS		172	152	DO	9.96	1	0.10			1
CAM-01	17	03/23/1996	1855	2	1		LS		172	152	DO	7.88	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CAM-01	17	03/23/1996	1930	2	1		LS		172	152	DO	5.42	1	0.10			1
CAM-01	17	03/23/1996	2005	2	1		LS		172	152	DO	2.73	1	0.10			1
CAM-01	17	03/23/1996	2045	2	1		LS		172	152	DO	0.08	1	0.10			1
CAM-01	17	03/23/1996	2100	2	1		LS		172	152	DO	7.99	1	0.10			1
CAM-01	17	03/23/1996	2140	2	1		LS		172	152	DO	4.10	1	0.10			1
CAM-01	17	03/23/1996	2310	2	1		LS		172	152	DO	0.15	1	0.10			1
CAM-01	17	03/23/1996	2320	2	1		LS		172	152	DO	8.50	1	0.10			1
CAM-01	17	03/23/1996	2355	2	1		LS		172	152	DO	0.55	1	0.10			1
CAM-01	17	03/23/1996	600	2	1		LS		110	152	DO	0.95	1	0.10			1
CAM-01	17	03/23/1996	650	2	1		LS		110	152	DO	0.40	1	0.10			1
CAM-01	17	03/23/1996	750	2	1		LS		110	152	DO	12.07	1	0.10			1
CAM-01	17	03/23/1996	830	2	1		LS		110	152	DO	11.43	1	0.10			1
CAM-01	17	03/23/1996	930	2	1		LS		110	152	DO	10.38	1	0.10			1
CAM-01	17	03/23/1996	1030	2	1		LS		110	152	DO	8.96	1	0.10			1
CAM-01	17	03/23/1996	1130	2	1		LS		110	152	DO	7.63	1	0.10			1
CAM-01	17	03/23/1996	1220	2	1		LS		110	152	DO	6.31	1	0.10			1
CAM-01	17	03/23/1996	1300	2	1		LS		110	152	DO	5.24	1	0.10			1
CAM-01	17	03/23/1996	1330	2	1		LS		110	152	DO	3.96	1	0.10			1
CAM-01	17	03/23/1996	1410	2	1		LS		110	152	DO	2.24	1	0.10			1
CAM-01	17	03/23/1996	1500	2	1		LS		110	152	DO	0.57	1	0.10			1
CAM-01	17	03/23/1996	1515	2	1		LS		110	152	DO	10.01	1	0.10			1
CAM-01	17	03/23/1996	1555	2	1		LS		110	152	DO	7.79	1	0.10			1
CAM-01	17	03/23/1996	1640	2	1		LS		110	152	DO	4.55	1	0.10			1
CAM-01	17	03/23/1996	1725	2	1		LS		110	152	DO	1.24	1	0.10			1
CAM-01	17	03/23/1996	1805	2	1		LS		110	152	DO	0.15	1	0.10			1
CAM-01	17	03/23/1996	1815	2	1		LS		110	152	DO	9.92	1	0.10			1
CAM-01	17	03/23/1996	1855	2	1		LS		110	152	DO	7.83	1	0.10			1
CAM-01	17	03/23/1996	1930	2	1		LS		110	152	DO	5.69	1	0.10			1
CAM-01	17	03/23/1996	2005	2	1		LS		110	152	DO	3.45	1	0.10			1
CAM-01	17	03/23/1996	2045	2	1		LS		110	152	DO	0.86	1	0.10			1
CAM-01	17	03/23/1996	2100	2	1		LS		110	152	DO	7.33	1	0.10			1
CAM-01	17	03/23/1996	2140	2	1		LS		110	152	DO	3.96	1	0.10			1
CAM-01	17	03/23/1996	2310	2	1		LS		110	152	DO	0.18	1	0.10			1
CAM-01	17	03/23/1996	2320	2	1		LS		110	152	DO	8.53	1	0.10			1
CAM-01	17	03/23/1996	2355	2	1		LS		110	152	DO	0.67	1	0.10			1
B-01	1	01/26/1996	1105	1	1		G			3	EC	233	3	5			1
B-01	1	03/13/1996	1450	1	1		G			3	EC	6643	3	5			1
B-01	1	03/13/1996	1910	1	1		G			3	EC	3014	3	5			1
B-01	1	03/14/1996	1120	1	1		G			3	EC	4526	3	5			1
B-01	1	03/14/1996	1615	1	1		G			3	EC	2477	3	5			1
B-01	1	03/14/1996	1900	1	1		G			3	EC	1943	3	5			1
B-01	1	03/15/1996	1300	1	1		G			3	EC	882	3	5			1
B-01	1	03/15/1996	1540	1	1		G			3	EC	1735	3	5			1
B-01	1	03/15/1996	1930	1	1		G			3	EC	1500	3	5			1
B-01	1	03/22/1996	1700	1	1		G			3	EC	235	3	5			1
B-01	1	03/24/1996	1230	1	1		G			3	EC	1638	3	5			1
B-01	1	03/24/1996	1730	1	1		G			3	EC	1186	3	5			1
B-01	1	03/24/1996	2030	1	1		G			3	EC	555	3	5			1
B-02	2	03/13/1996	1603	1	1		G			3	EC	3417	3	5			1
B-02	2	03/13/1996	1845	1	1		G			3	EC	2341	3	5			1
B-02	2	03/14/1996	1200	1	1		G			3	EC	2090	3	5			1
B-02	2	03/14/1996	1635	1	1		G			3	EC	2104	3	5			1
B-02	2	03/14/1996	1920	1	1		G			3	EC	1943	3	5			1
B-02	2	03/15/1996	1450	1	1		G			3	EC	2875	3	5			1
B-02	2	03/15/1996	1840	1	1		G			3	EC	1410	3	5			1
B-02	2	03/22/1996	1640	1	1		G			3	EC	1045	3	5			1
B-02	2	03/24/1996	1210	1	1		G			3	EC	1680	3	5			1
B-02	2	03/24/1996	1700	1	1		G			3	EC	594	3	5			1
B-02	2	03/24/1996	2100	1	1		G			3	EC	530	3	5			1
B-03	3	03/14/1996	1045	1	1		G			3	EC	3450	3	5			1
B-03	3	03/14/1996	1645	1	1		G			3	EC	1762	3	5			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-03	3	03/15/1996	1610		1	1	G			3	EC	2005	3	5			1
B-03	3	03/24/1996	1045		1	1	G			3	EC	3405	3	5			1
B-04	4	03/14/1996	1450		1	1	G			3	EC	1337	3	5			1
B-04	4	03/14/1996	1945		1	1	G			3	EC	1573	3	5			1
B-04	4	03/15/1996	1115		1	1	G			3	EC	632	3	5			1
B-04	4	03/15/1996	1420		1	1	G			3	EC	2302	3	5			1
B-04	4	03/15/1996	1910		1	1	G			3	EC	1419	3	5			1
B-04	4	03/22/1996	1750		1	1	G			3	EC	449	3	5			1
B-04	4	03/24/1996	1145		1	1	G			3	EC	438	3	5			1
B-04	4	03/24/1996	1800		1	1	G			3	EC	524	3	5			1
B-04	4	03/24/1996	2015		1	1	G			3	EC	486	3	5			1
X2	6	03/13/1996	1520		1	1	G			3	EC	3505		5			1
X3	7	03/13/1996	1550		1	1	G			3	EC	9903	3	5			1
X4	8	03/13/1996	2015		1	1	G			3	EC	2194	3	5			1
CC-01	9	01/17/1996	1130		1	1	0.5 G			3	EC	202	3	5			1
CC-01	9	03/22/1996	1830		1	1	0.5 G			3	EC	229	3	5			1
CC-01	9	03/24/1996	1330		1	1	0.5 G			3	EC	222	3	5			1
CC-01	9	03/24/1996	1630		1	1	0.5 G			3	EC	321	3	5			1
CC-01	9	03/24/1996	1930		1	1	0.5 G			3	EC	303	3	5			1
CC-02	10	01/17/1996	1400		1	1	0.5 G			3	EC	228	3	5			1
CC-02	10	03/13/1996	1635		1	1	0.5 G			3	EC	416	3	5			1
CC-02	10	03/13/1996	2000		1	1	0.5 G			3	EC	530	3	5			1
CC-02	10	03/14/1996	1225		1	1	0.5 G			3	EC	277	3	5			1
CC-02	10	03/14/1996	1705		1	1	0.5 G			3	EC	542	3	5			1
CC-02	10	03/14/1996	2005		1	1	0.5 G			3	EC	588	3	5			1
CC-02	10	03/15/1996	1210		1	1	0.5 G			3	EC	260	3	5			1
CC-02	10	03/15/1996	1440		1	1	0.5 G			3	EC	264	3	5			1
CC-02	10	03/15/1996	1830		1	1	0.5 G			3	EC	352	3	5			1
CC-02	10	03/22/1996	1815		1	1	0.5 G			3	EC	262	3	5			1
CC-02	10	03/24/1996	1345		1	1	0.5 G			3	EC	274	3	5			1
CC-02	10	03/24/1996	1605		1	1	0.5 G			3	EC	355	3	5			1
CC-02	10	03/24/1996	1945		1	1	0.5 G			3	EC	331	3	5			1
CC-03	11	01/17/1996	1500		1	1	0.5 G			3	EC	230	3	5			1
CC-03	11	03/13/1996	1620		1	1	0.5 G			3	EC	805	3	5			1
CC-03	11	03/13/1996	1940		1	1	0.5 G			3	EC	693	3	5			1
CC-03	11	03/14/1996	1215		1	1	0.5 G			3	EC	422	3	5			1
CC-03	11	03/14/1996	1645		1	1	0.5 G			3	EC	640	3	5			1
CC-03	11	03/14/1996	1935		1	1	0.5 G			3	EC	691	3	5			1
CC-03	11	03/15/1996	1145		1	1	0.5 G			3	EC	336	3	5			1
CC-03	11	03/15/1996	1520		1	1	0.5 G			3	EC	482	3	5			1
CC-03	11	03/15/1996	1810		1	1	0.5 G			3	EC	511	3	5			1
CC-03	11	03/15/1996	1741		1	1	0.5 G			3	EC	302	3	5			1
CC-03	11	03/24/1996	1400		1	1	0.5 G			3	EC	381	3	5			1
CC-03	11	03/24/1996	1600		1	1	0.5 G			3	EC	393	3	5			1
CC-03	11	03/24/1996	2000		1	1	0.5 G			3	EC	416	3	5			1
UL-01	13	01/17/1996			1	1	0.5 G			3	EC	222	3	5			1
UL-01	13	04/04/1996			1	1	0.5 G			3	EC	144	3	5			1
UL-02	14	01/17/1996			1	1	0.5 G			3	EC	222	3	5			1
WC-01	15	01/18/1996			1	1	0.5 G			3	EC	324	3	5			1
WC-01	15	04/04/1996			1	1	0.5 G			3	EC	185	3	5			1
WC-02	16	01/18/1996			1	1	0.5 G			3	EC	324	3	5			1
SBI-01	18	02/06/1996	200		1	2	GC			3	EC	1600	3	5			1
SBN-01	19	02/06/1996	200		2	2	GC			3	EC	1400	3	5			1
SBI-02	20	02/08/1996	900		1	2	GC			3	EC	1250	3	5			1
SBI-02	20	02/28/1996	1030		1	2	GC			3	EC	1152	3	5			1
SBN-02	21	02/08/1996	900		2	2	GC			3	EC	600	3	5			2
SBN-02	21	02/28/1996	1030		2	2	GC			3	EC	1279	3	5			1
B-01	1	12/22/1995			1	1	CM				Flow	0.80	5	0.10			1
B-01	1	12/23/1995			1	1	CM				Flow	0.99	5	0.10			1
B-01	1	12/24/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	12/25/1995			1	1	CM				Flow	0.41	5	0.10			1

**VALIDATED DATA**  
**POTASSIUM ACETATE DEICER IMPACTS AT ANCHORAGE, ALASKA: DATA REPORT**

Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-01	1	12/26/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	12/27/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	12/28/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	12/29/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	12/30/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	12/31/1995			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/01/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/02/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/03/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/04/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/05/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/06/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/07/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	01/08/1996			1	1	CM				Flow	0.54	5	0.10			1
B-01	1	01/09/1996			1	1	CM				Flow	0.28	5	0.10			1
B-01	1	01/10/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/11/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/12/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/13/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	01/14/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/15/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/16/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/17/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/18/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	01/19/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	01/20/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	01/21/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/22/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/23/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	01/24/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/25/1996			1	1	CM				Flow	0.45	5	0.10			1
B-01	1	01/26/1996			1	1	CM				Flow	0.48	5	0.10			1
B-01	1	01/27/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	01/28/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	01/29/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	01/30/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	01/31/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/01/1996			1	1	CM				Flow	0.19	5	0.10			1
B-01	1	02/02/1996			1	1	CM				Flow	0.19	5	0.10			1
B-01	1	02/03/1996			1	1	CM				Flow	0.19	5	0.10			1
B-01	1	02/04/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/05/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/06/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/07/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/08/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/09/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/10/1996			1	1	CM				Flow	0.19	5	0.10			1
B-01	1	02/11/1996			1	1	CM				Flow	0.19	5	0.10			1
B-01	1	02/12/1996			1	1	CM				Flow	0.19	5	0.10			1
B-01	1	02/13/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/14/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/15/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/16/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/17/1996			1	1	CM				Flow	0.32	5	0.10			1
B-01	1	02/18/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	02/19/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	02/20/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	02/21/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	02/22/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	02/23/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	02/24/1996			1	1	CM				Flow	0.49	5	0.10			1



**VALIDATED DATA**  
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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-01	1	02/25/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	02/26/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	02/27/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	02/28/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	02/29/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	03/01/1996			1	1	CM				Flow	0.57	5	0.10			1
B-01	1	03/02/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/03/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/04/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/05/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/06/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/07/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/08/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/09/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/10/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/11/1996			1	1	CM				Flow	1.01	5	0.10			1
B-01	1	03/12/1996			1	1	CM				Flow	0.96	5	0.10			1
B-01	1	03/13/1996			1	1	CM				Flow	1.44	5	0.10			1
B-01	1	03/14/1996			1	1	CM				Flow	1.42	5	0.10			1
B-01	1	03/15/1996			1	1	CM				Flow	1.30	5	0.10			1
B-01	1	03/16/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/17/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/18/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/19/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/20/1996			1	1	CM				Flow	0.81	5	0.10			1
B-01	1	03/21/1996			1	1	CM				Flow	0.84	5	0.10			1
B-01	1	03/22/1996			1	1	CM				Flow	1.12	5	0.10			1
B-01	1	03/23/1996			1	1	CM				Flow	1.24	5	0.10			1
B-01	1	03/24/1996			1	1	CM				Flow	1.20	5	0.10			1
B-01	1	03/25/1996			1	1	CM				Flow	1.06	5	0.10			1
B-01	1	03/26/1996			1	1	CM				Flow	1.02	5	0.10			1
B-01	1	03/27/1996			1	1	CM				Flow	1.17	5	0.10			1
B-01	1	03/28/1996			1	1	CM				Flow	0.74	5	0.10			1
B-01	1	03/29/1996			1	1	CM				Flow	0.66	5	0.10			1
B-01	1	03/30/1996			1	1	CM				Flow	0.77	5	0.10			1
B-01	1	03/31/1996			1	1	CM				Flow	0.43	5	0.10			1
B-01	1	04/01/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	1	04/02/1996			1	1	CM				Flow	0.50	5	0.10			1
B-01	1	04/03/1996			1	1	CM				Flow	0.46	5	0.10			1
B-01	1	04/04/1996			1	1	CM				Flow	0.92	5	0.10			1
B-01	1	04/05/1996			1	1	CM				Flow	0.96	5	0.10			1
B-01	1	04/06/1996			1	1	CM				Flow	0.88	5	0.10			1
B-01	1	04/07/1996			1	1	CM				Flow	0.57	5	0.10			1
B-01	1	04/08/1996			1	1	CM				Flow	0.89	5	0.10			1
B-01	1	04/09/1996			1	1	CM				Flow	0.54	5	0.10			1
B-01	1	04/10/1996			1	1	CM				Flow	0.62	5	0.10			1
B-01	1	04/11/1996			1	1	CM				Flow	0.63	5	0.10			1
B-01	1	04/12/1996			1	1	CM				Flow	0.63	5	0.10			1
B-01	1	04/13/1996			1	1	CM				Flow	0.54	5	0.10			1
B-01	1	04/14/1996			1	1	CM				Flow	0.67	5	0.10			1
B-01	1	04/15/1996			1	1	CM				Flow	0.64	5	0.10			1
B-01	1	04/16/1996			1	1	CM				Flow	0.62	5	0.10			1
B-01	1	04/17/1996			1	1	CM				Flow	1.07	5	0.10			1
B-01	1	04/18/1996			1	1	CM				Flow	0.63	5	0.10			1
B-01	1	04/19/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	04/20/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	04/21/1996			1	1	CM				Flow	0.49	5	0.10			1
B-01	1	04/22/1996			1	1	CM				Flow	0.41	5	0.10			1
B-01	2	04/23/1996			1	1	CM				Flow	0.53	5	0.10			1
B-02	2	12/22/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/23/1996			1	1	CM				Flow	0.00	5	0.10			1

**VALIDATED DATA**  
**POTASSIUM ACETATE DEICER IMPACTS AT ANCHORAGE, ALASKA: DATA REPORT**

Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-02	2	12/24/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/25/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/26/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/27/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/28/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/29/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/30/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	12/31/1996			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/01/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/02/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/03/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/04/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/05/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/06/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/07/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/08/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/09/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/10/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/11/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/12/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/13/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/14/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/15/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/16/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/17/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/18/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/19/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/20/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/21/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/22/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/23/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/24/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/25/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/26/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/27/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/28/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/29/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/30/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	01/31/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/01/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/02/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/03/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/04/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/05/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/06/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/07/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/08/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/09/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/10/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/11/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/12/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/13/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/14/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/15/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/16/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/17/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/18/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/19/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/20/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/21/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/22/1997			1	1	CM				Flow	0.00	5	0.10			1

**VALIDATED DATA**  
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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-02	2	02/23/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/24/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/25/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/26/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/27/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	02/28/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/01/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/02/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/03/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/04/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/05/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/06/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/07/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/08/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/09/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/10/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/11/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/12/1997			1	1	CM				Flow	0.11	5	0.10			1
B-02	2	03/13/1997			1	1	CM				Flow	0.03	5	0.10			1
B-02	2	03/14/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/15/1997			1	1	CM				Flow	0.38	5	0.10			1
B-02	2	03/16/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/17/1997			1	1	CM				Flow	0.01	5	0.10			1
B-02	2	03/18/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/19/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/20/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/21/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/22/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/23/1997			1	1	CM				Flow	0.01	5	0.10			1
B-02	2	03/24/1997			1	1	CM				Flow	0.01	5	0.10			1
B-02	2	03/25/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/26/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/27/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/28/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/29/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/30/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	03/31/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	04/01/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	04/02/1997			1	1	CM				Flow	0.00	5	0.10			1
B-02	2	04/03/1997			1	1	CM				Flow	0.00	5	0.10			1
B-03	3	03/05/1996	900		1	1	I				Flow	0.00	5	0.10			1
B-03	3	03/14/1996	1045		1	1	I				Flow	0.15	5	0.10			1
B-03	3	03/15/1996	1010		1	1	I				Flow	0.12	5	0.10			1
B-03	3	03/16/1996	1010		1	1	I				Flow	0.12	5	0.10			1
B-03	3	03/24/1996	1045		1	1	I				Flow	0.19	5	0.10			1
B-03	3	03/26/1996	1010		1	1	I				Flow	0.03	5	0.10			1
B-04	4	03/05/1996	930		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/13/1996	1630		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/14/1996	1105		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/14/1996	1450		1	1	I				Flow	0.04	5	0.10			1
B-04	4	03/14/1996	1945		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/15/1996	1115		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/15/1996	1420		1	1	I				Flow	0.04	5	0.10			1
B-04	4	03/15/1996	1910		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/22/1996	1750		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/24/1996	1145		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/24/1996	1800		1	1	I				Flow	0.00	5	0.10			1
B-04	4	03/24/1996	2015		1	1	I				Flow	0.00	5	0.10			1
X3	7	03/26/1996	1200		1	1	G				K	201	1				1
CC-03	11	03/04/1996	930		1	1	G				K	930	1				1
CC-03	11	03/27/1996	900		1	1	G				K	2.67	1				1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
X5	12	03/27/1996	930		1	1	G				K	0.1	1				1
B-01	1	01/26/1996	1105		1	1	G			11	OP	0.019	1	0.01			1
B-01	1	03/05/1996	1000		1	1	G			11	OP	<MDL	1	0.01			1
B-01	1	03/11/1996	1400		1	1	G			11	OP	<MDL	1	0.01			1
B-01	1	03/13/1996	1450		1	1	G			11	OP	0.79	1	0.01			1
B-01	1	03/13/1996	1910		1	1	G			11	OP	0.31	1	0.01			1
B-01	1	03/14/1996	1120		1	1	G			11	OP	1.15	1	0.01			1
B-01	1	03/14/1996	1615		1	1	G			11	OP	0.56	1	0.01			1
B-01	1	03/14/1996	1900		1	1	G			11	OP	0.22	1	0.01			1
B-01	1	03/15/1996	1300		1	1	G			11	OP	0.07	1	0.01			1
B-01	1	03/15/1996	1540		1	1	G			11	OP	0.34	1	0.01			1
B-01	1	03/15/1996	1930		1	1	G			11	OP	0.11	1	0.01			1
B-01	1	03/22/1996	1700		1	1	G			11	OP	0.01	1	0.01			1
B-01	1	03/24/1996	1230		1	1	G			11	OP	0.04	1	0.01			1
B-01	1	03/24/1996	1730		1	1	G			11	OP	0.03	1	0.01			1
B-01	1	03/24/1996	2030		1	1	G			11	OP	0.01	1	0.01			1
B-02	2	03/13/1996	1603		1	1	G			11	OP	0.3	1	0.01			1
B-02	2	03/13/1996	1845		1	1	G			11	OP	0.23	1	0.01			1
B-02	2	03/14/1996	1200		1	1	G			11	OP	0.31	1	0.01			1
B-02	2	03/14/1996	1635		1	1	G			11	OP	0.15	1	0.01			1
B-02	2	03/14/1996	1920		1	1	G			11	OP	0.02	1	0.01			1
B-02	2	03/15/1996	1450		1	1	G			11	OP	0.11	1	0.01			1
B-02	2	03/15/1996	1840		1	1	G			11	OP	0.01	1	0.01			1
B-02	2	03/22/1996	1640		1	1	G			11	OP	0.02	1	0.01			1
B-02	2	03/24/1996	1210		1	1	G			11	OP	<MDL	1	0.01			1
B-02	2	03/24/1996	1700		1	1	G			11	OP	0.03	1	0.01			1
B-02	2	03/24/1996	2100		1	1	G			11	OP	<MDL	1	0.01			1
B-03	3	03/05/1996	900		1	1	G			11	OP	<MDL	1	0.01			1
B-03	3	03/14/1996	1045		1	1	G			11	OP	<MDL	1	0.01			1
B-03	3	03/14/1996	1345		1	1	G			11	OP	<MDL	1	0.01			1
B-03	3	03/14/1996	1645		1	1	G			11	OP	0.01	1	0.01			1
B-03	3	03/15/1996	1010		1	1	G			11	OP	0.01	1	0.01			1
B-03	3	03/15/1996	1310		1	1	G			11	OP	0.78	1	0.01			1
B-03	3	03/15/1996	1610		1	1	G			11	OP	0.01	1	0.01			1
B-03	3	03/24/1996	1045		1	1	G			11	OP	0.25	1	0.01			1
B-03	3	03/24/1996	1045		1	1	G			11	OP	0.65	1	0.01			1
B-03	3	03/24/1996	1345		1	1	G			11	OP	0.47	1	0.01			1
B-03	3	03/24/1996	1645		1	1	G			11	OP	0.23	1	0.01			1
B-04	4	03/05/1996	930		1	1	G			11	OP	<MDL	1	0.01			1
B-04	4	03/14/1996	1450		1	1	G			11	OP	0.11	1	0.01			1
B-04	4	03/14/1996	1945		1	1	G			11	OP	0.05	1	0.01			1
B-04	4	03/15/1996	1115		1	1	G			11	OP	0.03	1	0.01			1
B-04	4	03/15/1996	1420		1	1	G			11	OP	0.06	1	0.01			1
B-04	4	03/15/1996	1910		1	1	G			11	OP	0.03	1	0.01			1
B-04	4	03/22/1996	1750		1	1	G			11	OP	0.05	1	0.01			1
B-04	4	03/24/1996	1145		1	1	G			11	OP	<MDL	1	0.01			1
B-04	4	03/24/1996	1800		1	1	G			11	OP	0.07	1	0.01			1
B-04	4	03/24/1996	2015		1	1	G			11	OP	0.04	1	0.01			1
X1	5	03/05/1996	1530		1	1	G			11	OP	0.3	1	0.01			1
X1	5	03/11/1996	1300		1	1	G			11	OP	0.32	1	0.01			1
X2	6	03/11/1996	1330		1	1	G			11	OP	0.37	1	0.01			1
X2	6	03/13/1996	1520		1	1	G			11	OP	2.11	1	0.01			1
X3	7	03/13/1996	1550		1	1	G			11	OP	0.77	1	0.01			1
X4	8	03/13/1996	2015		1	1	G			11	OP	0.73	1	0.01			1
CC-01	9	01/17/1996	1130		1		0.5 G			11	OP	0.03	1	0.01			1
CC-01	9	03/05/1996	1100		1		0.5 G			11	OP	<MDL	1	0.01			1
CC-01	9	03/22/1996	1830		1		0.5 G			11	OP	0.02	1	0.01			1
CC-01	9	03/24/1996	1330		1		0.5 G			11	OP	0.08	1	0.01			1
CC-01	9	03/24/1996	1630		1		0.5 G			11	OP	<MDL	1	0.01			1
CC-01	9	03/24/1996	1930		1		0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	01/17/1996	1400		1		0.5 G			11	OP	0.02	1	0.01			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-02	10	03/05/1996	1130		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/13/1996	1635		1	1	0.5 G			11	OP	0.03	1	0.01			1
CC-02	10	03/13/1996	2000		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/14/1996	1225		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/14/1996	1705		1	1	0.5 G			11	OP	0.03	1	0.01			1
CC-02	10	03/14/1996	2005		1	1	0.5 G			11	OP	0.01	1	0.01			1
CC-02	10	03/15/1996	1210		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/15/1996	1440		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/15/1996	1830		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/22/1996	1815		1	1	0.5 G			11	OP	0.01	1	0.01			1
CC-02	10	03/24/1996	1345		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/24/1996	1605		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-02	10	03/24/1996	1945		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	01/17/1996	1500		1	1	0.5 G			11	OP	0.02	1	0.01			1
CC-03	11	03/05/1996	1030		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/13/1996	1620		1	1	0.5 G			11	OP	0.02	1	0.01			1
CC-03	11	03/13/1996	1940		1	1	0.5 G			11	OP	0.04	1	0.01			1
CC-03	11	03/14/1996	1215		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/14/1996	1645		1	1	0.5 G			11	OP	0.06	1	0.01			1
CC-03	11	03/14/1996	1935		1	1	0.5 G			11	OP	0.01	1	0.01			1
CC-03	11	03/15/1996	1145		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/15/1996	1520		1	1	0.5 G			11	OP	0.01	1	0.01			1
CC-03	11	03/15/1996	1810		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/15/1996	1741		1	1	0.5 G			11	OP	0.01	1	0.01			1
CC-03	11	03/24/1996	1400		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/24/1996	1600		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/24/1996	2000		1	1	0.5 G			11	OP	<MDL	1	0.01			1
CC-03	11	03/27/1996	900		1	1	0.5 G			11	OP	<MDL	1	0.01			1
X5	12	03/05/1996	1430		1	1	G			11	OP	<MDL	1	0.01			1
X5	12	03/27/1996	930		1	1	G			11	OP	<MDL	1	0.01			1
UL-01	13	01/17/1996			1	1	0.5 G			11	OP	0.02	1	0.01			2
UL-01	13	04/04/1996			1	1	0.5 G			11	OP	<MDL	1	0.01			1
UL-01	13	04/04/1996			1	1	0.5 G			11	OP	<MDL	1	0.01			1
UL-02	14	01/17/1996			1	1	0.5 G			11	OP	0.02	1	0.01			2
WC-01	15	04/04/1996			1	1	0.5 G			11	OP	<MDL	1	0.01			1
WC-01	15	04/04/1996			1	1	1.5 G			11	OP	<MDL	1	0.01			1
WC-02	16	01/18/1996			1	1	0.5 G			11	OP	0.02	1	0.01			2
SBI-01	18	02/06/1996	200		1	2	GC			11	OP	0.03	1	0.01			1
SBN-01	19	02/06/1996	200		2	2	GC			11	OP	0.03	1	0.01			1
SBI-02	20	02/08/1996	900		1	2	GC			11	OP	0.12	1	0.01			1
SBN-02	21	02/08/1996	900		2	2	GC			11	OP	0.16	1	0.01			1
B-01	1	01/26/1996	1105		1	1	G			3	PH	6.4	4				1
B-01	1	03/13/1996	1450		1	1	G			3	PH	6.9	4				1
B-01	1	03/13/1996	1910		1	1	G			3	PH	6.7	4				1
B-01	1	03/14/1996	1120		1	1	G			3	PH	7.6	4				1
B-01	1	03/14/1996	1615		1	1	G			3	PH	7.5	4				1
B-01	1	03/14/1996	1900		1	1	G			3	PH	7.5	4				1
B-01	1	03/15/1996	1300		1	1	G			3	PH	6.6	4				1
B-01	1	03/15/1996	1540		1	1	G			3	PH	7.3	4				1
B-01	1	03/15/1996	1930		1	1	G			3	PH	7.5	4				1
B-01	1	03/22/1996	1700		1	1	G			3	PH	6.5	4				1
B-01	1	03/24/1996	1230		1	1	G			3	PH	7.6	4				1
B-01	1	03/24/1996	1730		1	1	G			3	PH	7.4	4				1
B-01	1	03/24/1996	2030		1	1	G			3	PH	7.2	4				1
B-02	2	03/13/1996	1603		1	1	G			3	PH	7.1	4				1
B-02	2	03/13/1996	1845		1	1	G			3	PH	7.2	4				1
B-02	2	03/14/1996	1200		1	1	G			3	PH	6.9	4				1
B-02	2	03/14/1996	1635		1	1	G			3	PH	7.2	4				1
B-02	2	03/14/1996	1920		1	1	G			3	PH	7.4	4				1
B-02	2	03/15/1996	1450		1	1	G			3	PH	7.2	4				1
B-02	2	03/15/1996	1840		1	1	G			3	PH	7.4	4				1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-02	2	03/22/1996	1640		1	1	G			3	PH	6.4	4				1
B-02	2	03/24/1996	1210		1	1	G			3	PH	7.4	4				1
B-02	2	03/24/1996	1700		1	1	G			3	PH	7.3	4				1
B-02	2	03/24/1996	2100		1	1	G			3	PH	7.1	4				1
B-03	3	03/14/1996	1045		1	1	G			3	PH	6.8	4				1
B-03	3	03/14/1996	1645		1	1	G			3	PH	6.9	4				1
B-03	3	03/15/1996	1610		1	1	G			3	PH	6.5	4				1
B-03	3	03/24/1996	1045		1	1	G			3	PH	7.3	4				1
B-04	4	03/14/1996	1450		1	1	G			3	PH	7.2	4				1
B-04	4	03/14/1996	1945		1	1	G			3	PH	7.3	4				1
B-04	4	03/15/1996	1115		1	1	G			3	PH	7.1	4				1
B-04	4	03/15/1996	1420		1	1	G			3	PH	7	4				1
B-04	4	03/15/1996	1910		1	1	G			3	PH	7	4				1
B-04	4	03/22/1996	1750		1	1	G			3	PH	6	4				1
B-04	4	03/24/1996	1145		1	1	G			3	PH	6.9	4				1
B-04	4	03/24/1996	1800		1	1	G			3	PH	7.2	4				1
B-04	4	03/24/1996	2015		1	1	G			3	PH	7.2	4				1
X2	6	03/13/1996	1520		1	1	G			3	PH	7.1	4				1
X3	7	03/13/1996	1550		1	1	G			3	PH	7.3	4				1
X4	8	03/13/1996	2015		1	1	G			3	PH	7	4				1
CC-01	9	01/17/1996	1130		1	1	0.5 G			3	PH	6.5	4				1
CC-01	9	03/22/1996	1830		1	1	0.5 G			3	PH	6.3	4				1
CC-01	9	03/24/1996	1330		1	1	0.5 G			3	PH	7.2	4				1
CC-01	9	03/24/1996	1630		1	1	0.5 G			3	PH	7.2	4				1
CC-01	9	03/24/1996	1930		1	1	0.5 G			3	PH	7.2	4				1
CC-02	10	01/17/1996	1400		1	1	0.5 G			3	PH	7.9	4				2
CC-02	10	03/13/1996	1635		1	1	0.5 G			3	PH	6.7	4				1
CC-02	10	03/13/1996	2000		1	1	0.5 G			3	PH	6.6	4				1
CC-02	10	03/14/1996	1225		1	1	0.5 G			3	PH	6.1	4				1
CC-02	10	03/14/1996	1705		1	1	0.5 G			3	PH	7.3	4				1
CC-02	10	03/14/1996	2005		1	1	0.5 G			3	PH	7.4	4				1
CC-02	10	03/15/1996	1210		1	1	0.5 G			3	PH	6.8	4				1
CC-02	10	03/15/1996	1440		1	1	0.5 G			3	PH	7.3	4				1
CC-02	10	03/15/1996	1830		1	1	0.5 G			3	PH	6.8	4				1
CC-02	10	03/22/1996	1815		1	1	0.5 G			3	PH	6	4				1
CC-02	10	03/24/1996	1345		1	1	0.5 G			3	PH	7.5	4				1
CC-02	10	03/24/1996	1605		1	1	0.5 G			3	PH	7.2	4				1
CC-02	10	03/24/1996	1945		1	1	0.5 G			3	PH	7	4				1
CC-03	11	01/17/1996	1500		1	1	0.5 G			3	PH	8	4				2
CC-03	11	03/13/1996	1620		1	1	0.5 G			3	PH	6.9	4				1
CC-03	11	03/13/1996	1940		1	1	0.5 G			3	PH	6.4	4				1
CC-03	11	03/14/1996	1215		1	1	0.5 G			3	PH	6.1	4				1
CC-03	11	03/14/1996	1645		1	1	0.5 G			3	PH	7.3	4				1
CC-03	11	03/14/1996	1935		1	1	0.5 G			3	PH	7.3	4				1
CC-03	11	03/15/1996	1145		1	1	0.5 G			3	PH	6.8	4				1
CC-03	11	03/15/1996	1520		1	1	0.5 G			3	PH	7	4				1
CC-03	11	03/15/1996	1810		1	1	0.5 G			3	PH	7.1	4				1
CC-03	11	03/15/1996	1741		1	1	0.5 G			3	PH	6.4	4				1
CC-03	11	03/24/1996	1400		1	1	0.5 G			3	PH	7.6	4				1
CC-03	11	03/24/1996	1600		1	1	0.5 G			3	PH	7.2	4				1
CC-03	11	03/24/1996	2000		1	1	0.5 G			3	PH	7.1	4				1
UL-01	13	01/17/1996			1	1	0.5 G			3	PH	7.8	4				1
UL-01	13	04/04/1996			1	1	0.5 G			3	PH	6	4				1
UL-02	14	01/17/1996			1	1	0.5 G			3	PH	7.8	4				1
WC-01	15	01/18/1996			1	1	0.5 G			3	PH	6.8	4				1
WC-01	15	04/04/1996			1	1	0.5 G			3	PH	6.7	4				1
WC-02	16	01/18/1996			1	1	0.5 G			3	PH	6.8	4				1
SBI-01	18	02/06/1996	200		1	2	GC			3	PH	8	4				1
SBN-01	19	02/06/1996	200		2	2	GC			3	PH	8	4				1
SBI-02	20	02/08/1996	900		1	2	GC			3	PH	8.3	4				1
SBI-02	20	02/28/1996	1030		1	2	GC			3	PH	7.5	4				1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
SBN-02	21	02/08/1996	900		2	2	GC			3	PH	7.8	4				1
SBN-02	21	02/28/1996	1030		2	2	GC			3	PH	7.7	4				1
B-01	1	03/11/1996	1400		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/13/1996	1450		1	1	G				SS	2.5	1	0.10			1
B-01	1	03/13/1996	1910		1	1	G				SS	0.3	1	0.10			1
B-01	1	03/14/1996	1120		1	1	G				SS	0.2	1	0.10			1
B-01	1	03/14/1996	1615		1	1	G				SS	0.2	1	0.10			1
B-01	1	03/14/1996	1900		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/15/1996	1300		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/15/1996	1540		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/15/1996	1930		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/22/1996	1700		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/24/1996	1230		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/24/1996	1730		1	1	G				SS	<MDL	1	0.10			1
B-01	1	03/24/1996	2030		1	1	G				SS	<MDL	1	0.10			1
B-02	2	03/13/1996	1603		1	1	G				SS	<MDL	1	0.10			1
B-02	2	03/13/1996	1845		1	1	G				SS	<MDL	1	0.10			1
B-02	2	03/14/1996	1200		1	1	G				SS	<MDL	1	0.10			1
B-02	2	03/14/1996	1635		1	1	G				SS	<MDL	1	0.10			1
B-02	2	03/14/1996	1920		1	1	G				SS	6.0	1	0.10			1
B-02	2	03/15/1996	1450		1	1	G				SS	5.2	1	0.10			1
B-02	2	03/15/1996	1840		1	1	G				SS	1.0	1	0.10			1
B-02	2	03/22/1996	1640		1	1	G				SS	5.5	1	0.10			1
B-02	2	03/24/1996	1210		1	1	G				SS	2.0	1	0.10			1
B-02	2	03/24/1996	1700		1	1	G				SS	<MDL	1	0.10			1
B-02	2	03/24/1996	2100		1	1	G				SS	6.0	1	0.10			1
B-03	3	03/14/1996	1045		1	1	G				SS	<MDL	1	0.10			1
B-03	3	03/14/1996	1345		1	1	G				SS	0.6	1	0.10			1
B-03	3	03/14/1996	1645		1	1	G				SS	0.2	1	0.10			1
B-03	3	03/15/1996	1010		1	1	G				SS	<MDL	1	0.10			1
B-03	3	03/15/1996	1310		1	1	G				SS	<MDL	1	0.10			1
B-03	3	03/15/1996	1610		1	1	G				SS	<MDL	1	0.10			1
B-03	3	03/24/1996	1045		1	1	G				SS	0.7	1	0.10			1
B-03	3	03/24/1996	1045		1	1	G				SS	0.3	1	0.10			1
B-03	3	03/24/1996	1345		1	1	G				SS	<MDL	1	0.10			1
B-03	3	03/24/1996	1645		1	1	G				SS	0.3	1	0.10			1
B-04	4	03/14/1996	1450		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/14/1996	1945		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/15/1996	1115		1	1	G				SS	0.2	1	0.10			1
B-04	4	03/15/1996	1420		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/15/1996	1910		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/22/1996	1750		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/24/1996	1145		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/24/1996	1800		1	1	G				SS	<MDL	1	0.10			1
B-04	4	03/24/1996	2015		1	1	G				SS	<MDL	1	0.10			1
X1	5	03/05/1996	1530		1	1	G				SS	1.0	1	0.10			1
X1	5	03/11/1996	1300		1	1	G				SS	1.0	1	0.10			1
X2	6	03/11/1996	1330		1	1	G				SS	<MDL	1	0.10			1
X2	6	03/13/1996	1520		1	1	G				SS	<MDL	1	0.10			1
X3	7	03/13/1996	1550		1	1	G				SS	<MDL	1	0.10			1
X4	8	03/13/1996	2015		1	1	G				SS	12.0	1	0.10			1
CC-01	9	03/22/1996	1830		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-01	9	03/24/1996	1330		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-01	9	03/24/1996	1630		1	1	0.5 G				SS	0.2	1	0.10			1
CC-01	9	03/24/1996	1930		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/13/1996	1635		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/13/1996	2000		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/14/1996	1225		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/14/1996	1705		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/14/1996	2005		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/15/1996	1210		1	1	0.5 G				SS	<MDL	1	0.10			1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-02	10	03/15/1996	1440		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/15/1996	1830		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/22/1996	1815		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/24/1996	1345		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/24/1996	1605		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-02	10	03/24/1996	1945		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/13/1996	1620		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/13/1996	1940		1	1	0.5 G				SS	0.2	1	0.10			1
CC-03	11	03/14/1996	1215		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/14/1996	1645		1	1	0.5 G				SS	0.4	1	0.10			1
CC-03	11	03/14/1996	1935		1	1	0.5 G				SS	0.3	1	0.10			1
CC-03	11	03/15/1996	1145		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/15/1996	1520		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/15/1996	1810		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/15/1996	1741		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/24/1996	1400		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/24/1996	1600		1	1	0.5 G				SS	<MDL	1	0.10			1
CC-03	11	03/24/1996	2000		1	1	0.5 G				SS	<MDL	1	0.10			1
SBI-01	18	02/06/1996	200		1	2	GC				SS	2.5	1	0.10			1
SBN-01	19	02/06/1996	200		2	2	GC				SS	3.0	1	0.10			1
SBI-02	20	02/08/1996	900		1	2	GC				SS	2.0	1	0.10			1
SBI-02	20	02/28/1996	1030		1	2	GC				SS	2.0	1	0.10			1
SBN-02	21	02/08/1996	900		2	2	GC				SS	2.5	1	0.10			1
SBN-02	21	02/28/1996	1030		2	2	GC				SS	1.5	1	0.10			1
B-01	1	12/22/1995			1	1	CM			13	T	5.2	6				1
B-01	1	12/23/1995			1	1	CM			13	T	5.1	6				1
B-01	1	12/24/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/25/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/26/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/27/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/28/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/29/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/30/1995			1	1	CM			13	T	5.5	6				1
B-01	1	12/31/1995			1	1	CM			13	T	5.5	6				1
B-01	1	01/01/1996			1	1	CM			13	T	5.2	6				1
B-01	1	01/02/1996			1	1	CM			13	T	5.0	6				1
B-01	1	01/03/1996			1	1	CM			13	T	5.0	6				1
B-01	1	01/04/1996			1	1	CM			13	T	5.0	6				1
B-01	1	01/05/1996			1	1	CM			13	T	5.0	6				1
B-01	1	01/06/1996			1	1	CM			13	T	4.9	6				1
B-01	1	01/07/1996			1	1	CM			13	T	4.5	6				1
B-01	1	01/08/1996			1	1	CM			13	T	4.5	6				1
B-01	1	01/09/1996			1	1	CM			13	T	4.3	6				1
B-01	1	01/10/1996			1	1	CM			13	T	4.2	6				1
B-01	1	01/11/1996			1	1	CM			13	T	4.0	6				1
B-01	1	01/12/1996			1	1	CM			13	T	4.0	6				1
B-01	1	01/13/1996			1	1	CM			13	T	4.0	6				1
B-01	1	01/14/1996			1	1	CM			13	T	3.6	6				1
B-01	1	01/15/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/16/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/17/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/18/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/19/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/20/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/21/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/22/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/23/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/24/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/25/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/26/1996			1	1	CM			13	T	3.0	6				1
B-01	1	01/27/1996			1	1	CM			13	T	3.0	6				1



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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-01	1	01/28/1996			1	1	CM			13	T	3.3	6				1
B-01	1	01/29/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/30/1996			1	1	CM			13	T	3.5	6				1
B-01	1	01/31/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/01/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/02/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/03/1996			1	1	CM			13	T	3.4	6				1
B-01	1	02/04/1996			1	1	CM			13	T	3.4	6				1
B-01	1	02/05/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/06/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/07/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/08/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/09/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/10/1996			1	1	CM			13	T	3.3	6				1
B-01	1	02/11/1996			1	1	CM			13	T	3.1	6				1
B-01	1	02/12/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/13/1996			1	1	CM			13	T	3.4	6				1
B-01	1	02/14/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/15/1996			1	1	CM			13	T	3.3	6				1
B-01	1	02/16/1996			1	1	CM			13	T	3.0	6				1
B-01	1	02/17/1996			1	1	CM			13	T	3.1	6				1
B-01	1	02/18/1996			1	1	CM			13	T	3.4	6				1
B-01	1	02/19/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/20/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/21/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/22/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/23/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/24/1996			1	1	CM			13	T	3.2	6				1
B-01	1	02/25/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/26/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/27/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/28/1996			1	1	CM			13	T	3.5	6				1
B-01	1	02/29/1996			1	1	CM			13	T	3.5	6				1
B-01	1	03/01/1996			1	1	CM			13	T	3.5	6				1
B-01	1	03/02/1996			1	1	CM			13	T	3.2	6				1
B-01	1	03/03/1996			1	1	CM			13	T	3.3	6				1
B-01	1	03/04/1996			1	1	CM			13	T	3.4	6				1
B-01	1	03/05/1996			1	1	CM			13	T	3.5	6				1
B-01	1	03/06/1996			1	1	CM			13	T	3.5	6				1
B-02	2	12/22/1995			1	1	CM			13	T	2.3	6				1
B-02	2	12/23/1995			1	1	CM			13	T	4.8	6				1
B-02	2	12/24/1995			1	1	CM			13	T	3.7	6				1
B-02	2	12/25/1995			1	1	CM			13	T	4	6				1
B-02	2	12/26/1995			1	1	CM			13	T	4	6				1
B-02	2	12/27/1995			1	1	CM			13	T	4	6				1
B-02	2	12/28/1995			1	1	CM			13	T	4	6				1
B-02	2	12/29/1995			1	1	CM			13	T	4.0	6				1
B-02	2	12/30/1995			1	1	CM			13	T	3.9	6				1
B-02	2	12/31/1995			1	1	CM			13	T	3.8	6				1
B-02	2	01/01/1996			1	1	CM			13	T	4	6				1
B-02	2	01/02/1996			1	1	CM			13	T	4	6				1
B-02	2	01/03/1996			1	1	CM			13	T	4	6				1
B-02	2	01/04/1996			1	1	CM			13	T	3.5	6				1
B-02	2	01/05/1996			1	1	CM			13	T	3	6				1
B-02	2	01/06/1996			1	1	CM			13	T	3.9	6				1
B-02	2	01/07/1996			1	1	CM			13	T	4	6				1
B-02	2	01/08/1996			1	1	CM			13	T	3.6	6				1
B-02	2	01/09/1996			1	1	CM			13	T	3.0	6				1
B-02	2	01/10/1996			1	1	CM			13	T	2.6	6				1
B-02	2	01/11/1996			1	1	CM			13	T	2.0	6				1
B-02	2	01/12/1996			1	1	CM			13	T	2.0	6				1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-02	2	01/13/1996			1	1	CM			13	T	1.3	6				1
B-02	2	01/14/1996			1	1	CM			13	T	1.0	6				1
B-02	2	01/15/1996			1	1	CM			13	T	0.6	6				1
B-02	2	01/16/1996			1	1	CM			13	T	0.0	6				1
B-02	2	01/17/1996			1	1	CM			13	T	0.0	6				1
B-02	2	01/18/1996			1	1	CM			13	T	0.0	6				1
B-02	2	01/19/1996			1	1	CM			13	T	-0.3	6				1
B-02	2	01/20/1996			1	1	CM			13	T	-1.0	6				1
B-02	2	01/21/1996			1	1	CM			13	T	-1.0	6				1
B-02	2	01/22/1996			1	1	CM			13	T	-1.0	6				1
B-02	2	01/23/1996			1	1	CM			13	T	-1.7	6				1
B-02	2	01/24/1996			1	1	CM			13	T	-2.4	6				1
B-02	2	01/25/1996			1	1	CM			13	T	-3	6				1
B-02	2	01/26/1996			1	1	CM			13	T	-3	6				1
B-02	2	01/27/1996			1	1	CM			13	T	-3.1	6				1
B-02	2	01/28/1996			1	1	CM			13	T	-3.4	6				1
B-02	2	01/29/1996			1	1	CM			13	T	-3.2	6				1
B-02	2	01/30/1996			1	1	CM			13	T	-3	6				1
B-02	2	01/31/1996			1	1	CM			13	T	-2.7	6				1
B-02	2	02/01/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/02/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/03/1996			1	1	CM			13	T	-2.7	6				1
B-02	2	02/04/1996			1	1	CM			13	T	-2.8	6				1
B-02	2	02/05/1996			1	1	CM			13	T	-2.6	6				1
B-02	2	02/06/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/07/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/08/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/09/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/10/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/11/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/12/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/13/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/14/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/15/1996			1	1	CM			13	T	-2.1	6				1
B-02	2	02/16/1996			1	1	CM			13	T	-2	6				1
B-02	2	02/17/1996			1	1	CM			13	T	-2	6				1
B-02	2	02/18/1996			1	1	CM			13	T	-2	6				1
B-02	2	02/19/1996			1	1	CM			13	T	-2.1	6				1
B-02	2	02/20/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/21/1996			1	1	CM			13	T	-2.6	6				1
B-02	2	02/22/1996			1	1	CM			13	T	-2.8	6				1
B-02	2	02/23/1996			1	1	CM			13	T	-3	6				1
B-02	2	02/24/1996			1	1	CM			13	T	-3	6				1
B-02	2	02/25/1996			1	1	CM			13	T	-3	6				1
B-02	2	02/26/1996			1	1	CM			13	T	-2.9	6				1
B-02	2	02/27/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/28/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	02/29/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	03/01/1996			1	1	CM			13	T	-2.5	6				1
B-02	2	03/02/1996			1	1	CM			13	T	-2.4	6				1
B-02	2	03/03/1996			1	1	CM			13	T	-2.4	6				1
B-02	2	03/04/1996			1	1	CM			13	T	-2.3	6				1
B-02	2	03/05/1996			1	1	CM			13	T	-1.8	6				1
B-02	2	03/06/1996			1	1	CM			13	T	-1.8	6				1
B-02	2	03/07/1996			1	1	CM			13	T	-2	6				1
B-02	2	03/08/1996			1	1	CM			13	T	-1.9	6				1
B-02	2	03/09/1996			1	1	CM			13	T	-1.8	6				1
B-02	2	03/10/1996			1	1	CM			13	T	-1.5	6				1
B-02	2	03/11/1996			1	1	CM			13	T	-1.5	6				1
B-02	2	03/12/1996			1	1	CM			13	T	-1.3	6				1
B-02	2	03/13/1996			1	1	CM			13	T	-1	6				1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-02	2	03/14/1996			1	1	CM			13	T	-0.9	6				1
B-02	2	03/15/1996			1	1	CM			13	T	-0.6	6				1
B-02	2	03/16/1996			1	1	CM			13	T	-0.3	6				1
B-02	2	03/17/1996			1	1	CM			13	T	-0.4	6				1
B-02	2	03/18/1996			1	1	CM			13	T	-0.3	6				1
B-02	2	03/19/1996			1	1	CM			13	T	-0.4	6				1
B-02	2	03/20/1996			1	1	CM			13	T	-0.3	6				1
B-02	2	03/21/1996			1	1	CM			13	T	-0.3	6				1
B-02	2	03/22/1996			1	1	CM			13	T	-0.3	6				1
B-02	2	03/23/1996			1	1	CM			13	T	-0.1	6				1
B-02	2	03/24/1996			1	1	CM			13	T	0	6				1
B-02	2	03/25/1996			1	1	CM			13	T	0.6	6				1
B-02	2	03/26/1996			1	1	CM			13	T	1	6				1
B-02	2	03/27/1996			1	1	CM			13	T	1.7	6				1
B-02	2	03/28/1996			1	1	CM			13	T	1.8	6				1
B-02	2	03/29/1996			1	1	CM			13	T	1.9	6				1
B-02	2	03/30/1996			1	1	CM			13	T	1.9	6				1
B-02	2	03/31/1996			1	1	CM			13	T	1.5	6				1
B-02	2	04/01/1996			1	1	CM			13	T	1.3	6				1
B-02	2	04/02/1996			1	1	CM			13	T	1.3	6				1
B-02	2	04/03/1996			1	1	CM			13	T	1.1	6				1
B-02	2	04/04/1996			1	1	CM			13	T	1	6				1
B-04	4	02/08/1996			1	1	CM			13	T	3.8	6				1
B-04	4	02/09/1996			1	1	CM			13	T	4	6				1
B-04	4	02/10/1996			1	1	CM			13	T	4	6				1
B-04	4	02/11/1996			1	1	CM			13	T	4	6				1
B-04	4	02/12/1996			1	1	CM			13	T	4	6				1
B-04	4	02/13/1996			1	1	CM			13	T	4	6				1
B-04	4	02/14/1996			1	1	CM			13	T	4	6				1
B-04	4	02/15/1996			1	1	CM			13	T	4	6				1
B-04	4	02/16/1996			1	1	CM			13	T	4	6				1
B-04	4	02/17/1996			1	1	CM			13	T	4	6				1
B-04	4	02/18/1996			1	1	CM			13	T	4	6				1
B-04	4	02/19/1996			1	1	CM			13	T	4	6				1
B-04	4	02/20/1996			1	1	CM			13	T	4	6				1
B-04	4	02/21/1996			1	1	CM			13	T	4	6				1
B-04	4	02/22/1996			1	1	CM			13	T	4	6				1
B-04	4	02/23/1996			1	1	CM			13	T	4	6				1
B-04	4	02/24/1996			1	1	CM			13	T	4	6				1
B-04	4	02/25/1996			1	1	CM			13	T	4	6				1
B-04	4	02/26/1996			1	1	CM			13	T	4	6				1
B-04	4	02/27/1996			1	1	CM			13	T	3.9	6				1
B-04	4	02/28/1996			1	1	CM			13	T	4	6				1
B-04	4	02/29/1996			1	1	CM			13	T	4	6				1
B-04	4	03/01/1996			1	1	CM			13	T	4	6				1
B-04	4	03/02/1996			1	1	CM			13	T	4	6				1
B-04	4	03/03/1996			1	1	CM			13	T	4	6				1
B-04	4	03/04/1996			1	1	CM			13	T	4	6				1
B-04	4	03/05/1996			1	1	CM			13	T	3.8	6				1
B-04	4	03/06/1996			1	1	CM			13	T	4	6				1
B-04	4	03/07/1996			1	1	CM			13	T	4	6				1
B-04	4	03/08/1996			1	1	CM			13	T	4	6				1
B-04	4	03/09/1996			1	1	CM			13	T	4	6				1
B-04	4	03/10/1996			1	1	CM			13	T	4	6				1
B-04	4	03/11/1996			1	1	CM			13	T	4	6				1
B-04	4	03/12/1996			1	1	CM			13	T	4	6				1
B-04	4	03/13/1996			1	1	CM			13	T	3.9	6				1
B-04	4	03/14/1996			1	1	CM			13	T	3.1	6				1
B-04	4	03/15/1996			1	1	CM			13	T	2.9	6				1
B-04	4	03/16/1996			1	1	CM			13	T	2.8	6				1
B-04	4	03/17/1996			1	1	CM			13	T	3.4	6				1

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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
B-04	4	03/18/1996			1	1	CM			13	T	3.5	6				1
B-04	4	03/19/1996			1	1	CM			13	T	3.5	6				1
B-04	4	03/20/1996			1	1	CM			13	T	3.5	6				1
B-04	4	03/21/1996			1	1	CM			13	T	3.9	6				1
B-04	4	03/22/1996			1	1	CM			13	T	4	6				1
B-04	4	03/23/1996			1	1	CM			13	T	4	6				1
B-04	4	03/24/1996			1	1	CM			13	T	3.4	6				1
B-04	4	03/25/1996			1	1	CM			13	T	3.2	6				1
B-04	4	03/26/1996			1	1	CM			13	T	3	6				1
B-04	4	03/27/1996			1	1	CM			13	T	3.2	6				1
B-04	4	03/28/1996			1	1	CM			13	T	3.3	6				1
B-04	4	03/29/1996			1	1	CM			13	T	3.3	6				1
B-04	4	03/30/1996			1	1	CM			13	T	3.2	6				1
B-04	4	03/31/1996			1	1	CM			13	T	3.2	6				1
B-04	4	04/01/1996			1	1	CM			13	T	3.5	6				1
B-04	4	04/02/1996			1	1	CM			13	T	3.8	6				1
B-04	4	04/03/1996			1	1	CM			13	T	4	6				1
B-04	4	04/04/1996			1	1	CM			13	T	3.5	6				1
B-04	4	04/05/1996			1	1	CM			13	T	3.2	6				1
B-04	4	04/06/1996			1	1	CM			13	T	3.2	6				1
B-04	4	04/07/1996			1	1	CM			13	T	3.4	6				1
B-04	4	04/08/1996			1	1	CM			13	T	3.3	6				1
B-04	4	04/09/1996			1	1	CM			13	T	3.5	6				1
B-04	4	04/10/1996			1	1	CM			13	T	3.7	6				1
B-04	4	04/11/1996			1	1	CM			13	T	3.8	6				1
B-04	4	04/12/1996			1	1	CM			13	T	4.2	6				1
B-04	4	04/13/1996			1	1	CM			13	T	4.3	6				1
B-04	4	04/14/1996			1	1	CM			13	T	3.9	6				1
B-04	4	04/15/1996			1	1	CM			13	T	4.1	6				1
B-04	4	04/16/1996			1	1	CM			13	T	4	6				1
B-04	4	04/17/1996			1	1	CM			13	T	4.3	6				1
B-04	4	04/18/1996			1	1	CM			13	T	5.6	6				1
B-04	4	04/19/1996			1	1	CM			13	T	5	6				1
B-04	4	04/20/1996			1	1	CM			13	T	5.6	6				1
B-04	4	04/21/1996			1	1	CM			13	T	5.9	6				1
B-04	4	04/22/1996			1	1	CM			13	T	5.6	6				1
B-04	4	04/23/1996			1	1	CM			13	T	5	6				1
UL-01	13	01/17/1996			1	1	0.5 G			13	T	0	6				1
UL-01	13	01/17/1996			1	1	1 G			13	T	0	6				1
UL-01	13	01/17/1996			1	1	2 G			13	T	0	6				1
UL-01	13	01/17/1996			1	1	3 G			13	T	1	6				1
UL-01	13	01/17/1996			1	1	4 G			13	T	1.5	6				1
UL-01	13	01/17/1996			1	1	5 G			13	T	3	6				1
UL-01	13	04/04/1996			1	1	0.5 G			13	T	1.5	6				1
UL-01	13	04/04/1996			1	1	1 G			13	T	1	6				1
UL-01	13	04/04/1996			1	1	2 G			13	T	2	6				1
UL-01	13	04/04/1996			1	1	1.5 G			13	T	2	6				1
UL-02	14	01/17/1996			1	1	0.5 G			13	T	0	6				1
UL-02	14	01/17/1996			1	1	1 G			13	T	0	6				1
UL-02	14	01/17/1996			1	1	2 G			13	T	1	6				1
UL-02	14	01/17/1996			1	1	2.5 G			13	T	1.3	6				1
WC-01	15	01/18/1996			1	1	0.5 G			13	T	0	6				1
WC-01	15	01/18/1996			1	1	1 G			13	T	0	6				1
WC-01	15	01/18/1996			1	1	2 G			13	T	0	6				1
WC-01	15	04/04/1996			1	1	0.5 G			13	T	0.9	6				1
WC-01	15	04/04/1996			1	1	1 G			13	T	1	6				1
WC-01	15	04/04/1996			1	1	1.5 G			13	T	0.8	6				1
WC-02	16	01/18/1996			1	1	0.5 G			13	T	0	6				1
WC-02	16	01/18/1996			1	1	0.5 G			13	T	0	6				1
WC-02	16	01/18/1996			1	1	1.5 G			13	T	0	6				1
WC-02	16	01/18/1996			1	1	2.5 G			13	T	1	6				1

**VALIDATED DATA**  
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Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
WC-02	16	01/18/1996			1		3 G			13	T	1.5	6				1
B-01	1	01/26/1996	1105		1		G			11	TP	<MDL	1	0.01			1
B-01	1	03/05/1996	1000		1		G			11	TP	0.1	1	0.01			1
B-01	1	03/11/1996	1400		1		G			11	TP	0.03	1	0.01			1
B-01	1	03/13/1996	1450		1		G			11	TP	5.73	1	0.01			1
B-01	1	03/13/1996	1910		1		G			11	TP	12.9	1	0.01			1
B-01	1	03/14/1996	1120		1		G			11	TP	5.28	1	0.01			1
B-01	1	03/14/1996	1615		1		G			11	TP	6.55	1	0.01			1
B-01	1	03/14/1996	1900		1		G			11	TP	1.88	1	0.01			1
B-01	1	03/15/1996	1300		1		G			11	TP	<MDL	1	0.01			1
B-01	1	03/15/1996	1540		1		G			11	TP	3.15	1	0.01			1
B-01	1	03/15/1996	1930		1		G			11	TP	3.2	1	0.01			1
B-01	1	03/22/1996	1700		1		G			11	TP	0.41	1	0.01			1
B-01	1	03/24/1996	1230		1		G			11	TP	2.93	1	0.01			1
B-01	1	03/24/1996	1730		1		G			11	TP	1.83	1	0.01			1
B-01	1	03/24/1996	2030		1		G			11	TP	<MDL	1	0.01			1
B-02	2	03/13/1996	1603		1		G			11	TP	6.98	1	0.01			1
B-02	2	03/13/1996	1845		1		G			11	TP	6.55	1	0.01			1
B-02	2	03/14/1996	1200		1		G			11	TP	5.75	1	0.01			1
B-02	2	03/14/1996	1635		1		G			11	TP	5.8	1	0.01			1
B-02	2	03/14/1996	1920		1		G			11	TP	2.88	1	0.01			1
B-02	2	03/15/1996	1450		1		G			11	TP	4.53	1	0.01			1
B-02	2	03/15/1996	1840		1		G			11	TP	7.18	1	0.01			1
B-02	2	03/22/1996	1640		1		G			11	TP	9.83	1	0.01			1
B-02	2	03/24/1996	1210		1		G			11	TP	2.8	1	0.01			1
B-02	2	03/24/1996	1700		1		G			11	TP	3.75	1	0.01			1
B-02	2	03/24/1996	2100		1		G			11	TP	11	1	0.01			1
B-03	3	03/05/1996	900		1		G			11	TP	1.75	1	0.01			1
B-03	3	03/14/1996	1045		1		G			11	TP	8.5	1	0.01			1
B-03	3	03/14/1996	1345		1		G			11	TP	5.5	1	0.01			1
B-03	3	03/14/1996	1645		1		G			11	TP	9.7	1	0.01			1
B-03	3	03/15/1996	1010		1		G			11	TP	13	1	0.01			1
B-03	3	03/15/1996	1310		1		G			11	TP	1.67	1	0.01			1
B-03	3	03/15/1996	1610		1		G			11	TP	9.05	1	0.01			1
B-03	3	03/24/1996	1045		1		G			11	TP	5.48	1	0.01			1
B-03	3	03/24/1996	1045		1		G			11	TP	1.13	1	0.01			1
B-03	3	03/24/1996	1345		1		G			11	TP	1.58	1	0.01			1
B-03	3	03/24/1996	1645		1		G			11	TP	5.99	1	0.01			1
B-04	4	03/05/1996	930		1		G			11	TP	<MDL	1	0.01			1
B-04	4	03/14/1996	1450		1		G			11	TP	5.1	1	0.01			1
B-04	4	03/14/1996	1945		1		G			11	TP	4.08	1	0.01			1
B-04	4	03/15/1996	1115		1		G			11	TP	1.2	1	0.01			1
B-04	4	03/15/1996	1420		1		G			11	TP	2.88	1	0.01			1
B-04	4	03/15/1996	1910		1		G			11	TP	4.88	1	0.01			1
B-04	4	03/22/1996	1750		1		G			11	TP	0.63	1	0.01			1
B-04	4	03/24/1996	1145		1		G			11	TP	0.85	1	0.01			1
B-04	4	03/24/1996	1800		1		G			11	TP	2.68	1	0.01			1
B-04	4	03/24/1996	2015		1		G			11	TP	2.38	1	0.01			1
X1	5	03/05/1996	1530		1		G			11	TP	11.9	1	0.01			1
X1	5	03/11/1996	1300		1		G			11	TP	12.6	1	0.01			1
X2	6	03/11/1996	1330		1		G			11	TP	3.18	1	0.01			1
X2	6	03/13/1996	1520		1		G			11	TP	3.18	1	0.01			1
X3	7	03/13/1996	1550		1		G			11	TP	3.45	1	0.01			1
X3	7	03/26/1996	1200		1		G			11	TP	4.13	1	0.01			1
X4	8	03/13/1996	2015		1		G			11	TP	19.8	1	0.01			1
CC-01	9	01/17/1996	1130		1		0.5 G			11	TP	0.05	1	0.01			1
CC-01	9	03/05/1996	1100		1		0.5 G			11	TP	0.02	1	0.01			1
CC-01	9	03/22/1996	1830		1		0.5 G			11	TP	0.65	1	0.01			1
CC-01	9	03/24/1996	1330		1		0.5 G			11	TP	0.68	1	0.01			1
CC-01	9	03/24/1996	1630		1		0.5 G			11	TP	1.4	1	0.01			1
CC-01	9	03/24/1996	1930		1		0.5 G			11	TP	1.31	1	0.01			1

**VALIDATED DATA**  
**POTASSIUM ACETATE DEICER IMPACTS AT ANCHORAGE, ALASKA: DATA REPORT**

Station_Rem	Station_ID	LogDate	LogTime	Sample_Type	Matrix	Sample_Depth	Sample_Meth	Lab_Code	Lab_SampID	Anal_Meth	Par_Code	Par_Val	Units	MDL	Par_VQ	Lab_RL	QC_Note
CC-02	10	01/17/1996	1400		1	1	0.5 G			11	TP	<MDL	1	0.01			1
CC-02	10	03/05/1996	1130		1	1	0.5 G			11	TP	<MDL	1	0.01			1
CC-02	10	03/13/1996	1635		1	1	0.5 G			11	TP	2.35	1	0.01			1
CC-02	10	03/13/1996	2000		1	1	0.5 G			11	TP	0.27	1	0.01			1
CC-02	10	03/14/1996	1225		1	1	0.5 G			11	TP	0.68	1	0.01			1
CC-02	10	03/14/1996	1705		1	1	0.5 G			11	TP	1.58	1	0.01			1
CC-02	10	03/14/1996	2005		1	1	0.5 G			11	TP	1.05	1	0.01			1
CC-02	10	03/15/1996	1210		1	1	0.5 G			11	TP	<MDL	1	0.01			1
CC-02	10	03/15/1996	1440		1	1	0.5 G			11	TP	0.62	1	0.01			1
CC-02	10	03/15/1996	1830		1	1	0.5 G			11	TP	1.1	1	0.01			1
CC-02	10	03/22/1996	1815		1	1	0.5 G			11	TP	0.57	1	0.01			1
CC-02	10	03/24/1996	1345		1	1	0.5 G			11	TP	0.7	1	0.01			1
CC-02	10	03/24/1996	1605		1	1	0.5 G			11	TP	1.07	1	0.01			1
CC-02	10	03/24/1996	1945		1	1	0.5 G			11	TP	1.33	1	0.01			1
CC-03	11	01/17/1996	1500		1	1	0.5 G			11	TP	<MDL	1	0.01			1
CC-03	11	03/05/1996	1030		1	1	0.5 G			11	TP	0.02	1	0.01			1
CC-03	11	03/13/1996	1620		1	1	0.5 G			11	TP	3.35	1	0.01			1
CC-03	11	03/13/1996	1940		1	1	0.5 G			11	TP	2.38	1	0.01			1
CC-03	11	03/14/1996	1215		1	1	0.5 G			11	TP	2.28	1	0.01			1
CC-03	11	03/14/1996	1645		1	1	0.5 G			11	TP	2.13	1	0.01			1
CC-03	11	03/14/1996	1935		1	1	0.5 G			11	TP	1.88	1	0.01			1
CC-03	11	03/15/1996	1145		1	1	0.5 G			11	TP	0.73	1	0.01			1
CC-03	11	03/15/1996	1520		1	1	0.5 G			11	TP	1.28	1	0.01			1
CC-03	11	03/15/1996	1810		1	1	0.5 G			11	TP	<MDL	1	0.01			1
CC-03	11	03/15/1996	1741		1	1	0.5 G			11	TP	0.62	1	0.01			1
CC-03	11	03/24/1996	1400		1	1	0.5 G			11	TP	1.36	1	0.01			1
CC-03	11	03/24/1996	1600		1	1	0.5 G			11	TP	0.65	1	0.01			1
CC-03	11	03/24/1996	2000		1	1	0.5 G			11	TP	0.57	1	0.01			1
CC-03	11	03/27/1996	900		1	1	0.5 G			11	TP	0.51	1	0.01			1
X5	12	03/05/1996	1430		1	1	G			11	TP	<MDL	1	0.01			1
X5	12	03/27/1996	930		1	1	G			11	TP	0.47	1	0.01			1
UL-01	13	01/17/1996			1	1	0.5 G			11	TP	<MDL	1	0.01			1
UL-01	13	04/04/1996			1	1	0.5 G			11	TP	0.5	1	0.01			1
UL-01	13	04/04/1996			1	1	0.5 G			11	TP	2.35	1	0.01			1
UL-02	14	01/17/1996			1	1	0.5 G			11	TP	<MDL	1	0.01			1
WC-01	15	04/04/1996			1	1	0.5 G			11	TP	0.43	1	0.01			1
WC-01	15	04/04/1996			1	1	1.5 G			11	TP	0.49	1	0.01			1
WC-02	16	01/18/1996			1	1	0.5 G			11	TP	<MDL	1	0.01			1
SBI-01	18	02/06/1996	200		1	2	GC			11	TP	1.03	1	0.01			1
SBN-01	19	02/06/1996	200		2	2	GC			11	TP	1.15	1	0.01			1
SBI-02	20	02/08/1996	900		1	2	GC			11	TP	1.48	1	0.01			1
SBI-02	20	02/28/1996	1030		1	2	GC			11	TP	0.8	1	0.01			1
SBN-02	21	02/08/1996	900		2	2	GC			11	TP	1.12	1	0.01			1
SBN-02	21	02/28/1996	1030		2	2	GC			11	TP	0.6	1	0.01			1

## **APPENDIX B:** **Deicer Application Data Summary**

Data set compiled by:

Sally Boggs, Staff Scientist  
HDR Alaska, Inc.  
Anchorage, Alaska

March 1996

Potassium Acetate Deicer Impacts at Anchorage Alaska: Data Report

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**Summary of Available Street Deicer Application Records 1994 Through 1996**

Date	Total Recorded Used (gal)	Number of Intersections Treated			Calculated Quantity used per Intersection (gal)	Amount Used Per Basin	
		Total (gal)	W. Fairview Basin	5th Ave. Basin		5th Ave. Basin	W. Fairview Basin
10/24/94	95	130	0	61	0.73	44.34	0.00
12/10/94	882	373	0	122	2.36	288.42	0.00
12/27/94	344	441	0	122	0.78	95.17	0.00
10/28/95	132	197	0	23	0.67	15.41	0.00
10/29/95	80	-	0	0	-	-	-
12/6/95	291	363	0	71	0.80	56.98	0.00
12/16/95	473	318	0	91	1.49	135.47	0.00
1/9/96	755	435	0	122	1.74	211.75	0.00
1/9/96	12	65	0	33	0.18	5.84	0.00
1/10/96	305	435	0	122	0.70	85.54	0.00
1/10/96	678	520	0	103	1.30	134.24	0.00
1/10/96	800	49	12	37	16.33	604.08	195.92
1/12/96	160	193	0	89	0.83	73.78	0.00
1/13/96	200	435	0	122	0.46	56.09	0.00
1/15/96	?	-	-	-	-	-	-
1/16/96	200	206	0	72	0.97	69.90	0.00
1/16/96	190	?	-	-	-	0.00	0.00
1/17/96	148	224	0	98	0.66	64.58	0.00
1/17/96	622	227	0	107	2.74	293.14	0.00
1/18/96	284	373	0	90	0.76	68.57	0.00
1/19/96	981	517	12	122	1.90	231.42	22.76
1/19/96	12	?	0	44	-	-	-
1/20/96	100	112	0	11	0.89	9.82	0.00
1/20/96	1005	517	12	122	1.94	237.20	23.33
1/20/96	958	300	12	58	3.19	185.21	38.32