UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# REPORT OF THE U.S. GEOLOGICAL SURVEY'S ANALYTICAL EVALUATION PROGRAM—STANDARD REFERENCE WATER SAMPLES M6, M94 (MAJOR CONSTITUENTS), T95 (TRACE CONSTITUENTS), N16 (NUTRIENTS), P8 (PRECIPITATION SNOWMELT), AND SED3 (SEDIMENT).

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Denver, Colorado

July 1986

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## TABLES

Comments, suggestions, or questions regarding these samples or this program may be made by calling (303) 236-3612 (FTS 776-3612), or by writing to Victor J. Janzer, SRWS Program, U.S. Geological Survey, 5293 Ward Road, Arvada, CO 80002.

## ABSTRACT

The U.S. Geological Survey began an interlaboratory testing program of reference water samples in 1962. Program objectives then were, and now are, to provide a means for participating water laboratories to: (1) Identify analytical problem areas; (2) ascertain the accuracy and precision of common water analyses and analytical methods; and (3) provide reference samples for quality-assurance testing. Participation in this continuing quality-assurance program is mandatory for all domestic laboratories providing water-analysis data for U.S. Geological Survey use.

This report presents analytical data submitted by the laboratories that analyzed the reference samples distributed in **May 1986.** Relative performance ratings achieved by the laboratories for each determination, statistical evaluation of the data, and data summaries are given in 19 tables.

## INTRODUCTION

The U.S. Geological Survey began an interlaboratory testing program of reference water samples in 1962 with a single major-constituent reference sample prepared from distilled water and reagent grade chemicals. Principal objectives of this continuing program are to provide a means for participating water laboratories to: (1) Identify analytical problem areas; (2) ascertain the accuracy and precision of analytical methods for determining various constituents and physical properties of water; and (3) provide reference samples for continuing quality-assurance testing of U.S. Geological Survey and various cooperator and contract laboratories. Twenty-three U.S. Geological Survey laboratories participated in the 1962 effort to determine 6 constituents in a single major-constituent Standard Reference Water Sample (SRWS). Today, more than 120 domestic laboratories, both Survey and non-Survey, participate in the program, which currently uses up to ten SRS types: (1) major constituents; (2) trace constituents; (3) nutrients; (4) herbicides; (5) insecticides; (6) water and suspended-sediment mixture for trace metals; (7) precipitation snowmelt; (8) priority pollutants; (9) acid mine drainage; and (10) a sediment (bed material) for trace metals.

Participation in this continuing quality-assurance program is mandatory for all laboratories providing water-analysis data for U.S. Geological Survey use. Major constituent, trace-constituent, and nutrient SRWS are prepared and distributed to participating laboratories twice each year. One or more of the other SRS types also may be included. **This report presents analytical data submitted by the laboratories that analyzed the reference samples distributed to them in May 1986. Samples were analyzed during May and June, and data were requested to be submitted by June 13. Data received through July 23, 1986, have been included in this report. Relative performance ratings achieved by the laboratories for each determination, and statistical evaluations of the data are given in 19 tables.**

## PURPOSE AND PLAN

Periodic participation in reference sample analysis provides the means to alert participating laboratories to deficiencies in their analytical operations, and provides reference solutions for continuing quality assurance testing. Standard Reference Water Samples are prepared and distributed approximately every 6 months for analysis by U.S. Geological Survey and other cooperating laboratories. These analyses provide independent and objective evaluations of water-quality data provided by some of these laboratories for Survey use and publication. Non-U.S. Geological Survey laboratories participating in these studies are identified only by a confidential code number whereas participating U.S. Geological Survey laboratories are identified by location, name and code number.

This report summarizes the analytical results submitted by 110 of the 131 laboratories that requested and were shipped samples for this round of testing. The original date of June 13, 1986, that was specified as a deadline for data return was extended several times.

Samples which were distributed during May 1986 included SRWS M6 and M94 (major constituents), SRWS T95 (trace constituents), SRWS N16 (nutrients), P8 (precipitation snowmelt), and SED3 (sediment). Not all samples are requested nor necessarily analyzed by all laboratories, nor do all laboratories enrolled in the program participate in each round of analyses. Each participating laboratory was asked to perform at least those determinations that it makes routinely on the respective sample type, and to indicate the analytical methods used for each constituent. When method information was provided, it has been included in the respective data tables.

## PREPARATION OF SAMPLES

SRWS M94 (major constituents), N16 (nutrients), and T95 (trace constituents) were prepared from natural surface waters. SRWS P8 (precipitation) was prepared from melted snow.

Samples M94, T95, N16, and P8 were prepared by allowing the suspended sediment to settle for several days in the collection drums. The partly clarified sample was then filtered sequentially through a 10 µm (micrometer) nominal size prefilter, then a 5 µm nominal size intermediate filter and finally a 0.45 µm membrane filter, into large clean polyethylene drums.

The cold tap water used to prepare M6 was filtered into a clean polyethylene drum using only the 0.45 µm filters. Thymol [1.25 mg/L (milligrams per liter)] was added to M6 to inhibit fungal and bacterial growth. No other additions were made to M6. Natural trace metal abundances in T95, however, were supplemented by the addition of selected constituents as solutions of reagent grade chemicals. These included aluminum, iron, manganese, antimony, arsenic, barium, boron, beryllium, cadmium, chromium, cobalt, copper, lead, lithium, molybdenum, nickel, selenium, silver, thallium and zinc. Solutions for M6, M94, and T95 were mixed overnight with a motor driven Teflon[1/] coated stirrer, after which they were again filtered through 0.45 µm membrane filters, followed by a 0.2 µm "final membrane filter", then passed through a flow-through ultraviolet [254-nm (nanometer)] sterilizer and packaged under ultraviolet radiation, in dry-heat sterilized 1-L Teflon or autoclaved polypropylene bottles. Due to persistant problems of bacterial and fungal growths when using thymol as a preservative, free chlorine was used as a preservative in samples M94 and T95. Prior to bottling these samples, sodium hypochlorite was added to achieve initial concentrations of several parts per million free chlorine. No additions were made to P8.

Natural nutrient concentration levels in SRWS N16 were supplemented by the addition of ammonium, nitrate, nitrite, and orthophosphate "ions", and organic nitrogen and phosphorous as dissolved reagent grade chemicals. It was preserved by the addition of mercuric chloride (50 mg/L). Sodium chloride (450 mg/L) was also added. This is equivalent to the U.S. Geological Survey technique for field preservation of nutrient samples, using mercuric chloride and sodium chloride. The sample was then mixed overnight with a motor-driven, Teflon-coated stirrer, packaged in polyethylene bottles, without sterilization, and stored in the dark at 4 °C (Celsius), until needed. With the exception of the nutrient samples which were shipped in iced coolers, the samples for this round-robin testing were shipped at ambient temperatures.

SRS SED3 (bed material) represents a continuation of efforts to prepare a natural sediment reference material for selected major and trace constituents, to be determined by "soft digestion" (dilute acid) techniques. SED 3 was prepared by air drying, gently

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[1/] The use of the trade name in this report is for identification purposes only and does not constitute endorsement by the U.S. Geological Survey.

disaggregating any lumps formed on drying, and then sieving a natural fine-grained sandy sediment. All material passing a 125 micrometer-size sieve was retained. The resulting material was well mixed and then packaged in 20 ml plastic vials.

Analytical results for SED3 have been tabulated and evaluated in the same manner as the water reference samples. Although individual laboratory ratings for SED3 have been determined and tabulated (table 7), results should only be considered as indicative of a laboratory's capabilities on what may or may not be a suitable reference material. Numerous questions remain regarding suitable digestion and analysis procedures, as well as homogeneity and suitability of SED3 as an acceptable reference material.

## DETERMINATIONS

Abbreviations or symbols are listed below for each determination made on the various SRS. These abbreviations and symbols are used in tables 2-19. Additional abbreviations and symbols used in tables are explained in table 1.

Standard Reference Water Samples in this listing include: M6, M94 (major constituents), T95 (trace constituents), N16 (nutrients), P8 (precipitation snowmelt), and SED3 (sediment).

| Abbreviation/Symbol | | M6 (mg/L) 1/ | M94 (mg/L) 1/ | T95 (µg/L) 2/ | N16 (mg/L) | P8 (µg/L) 3/ | SED3 (µg/g) 4/ |
|---|---|---|---|---|---|---|---|
| ALK(CACO3) | = Alkalinity (as $CaCO_3$) | x | x | | | | |
| ACID@CACO3 | = Acidity (as $CaCO_3$) | | | x | | x | |
| AG | = Silver | | | x | | x | |
| AL | = Aluminum | | | x | | | x |
| AS | = Arsenic | | | x | | | |
| B | = Boron | x | x | x | | | x |
| BA | = Barium | | | x | | | x |
| BE | = Beryllium | | | x | | | x |
| BR | = Bromide | x | x | | | | |
| C, inorganic | = total inorganic carbon | | | | | | x |
| C, total | = total carbon | | | | | | x |
| CA | = Calcium | x | x | x | | x | x |
| CD | = Cadmium | | | x | | x | x |
| CL | = Chloride | x | x | | | x | |
| CO | = Cobalt | | | x | | x | x |

Standard Reference Water Samples in this listing include: M6, M94 (major constituents), T95 (trace constituents), N16 (nutrients), P8 (precipitation snowmelt), and SED3 (sediment), (continued).

| Abbreviation/Symbol | | M6 (mg/L) 1/ | M94 (mg/L) 1/ | T95 (µg/L) 2/ | N16 (mg/L) | P8 (µg/L) 3/ | SED3 (µg/g) 4/ |
|---|---|---|---|---|---|---|---|
| CR TOT | = Chromium, total | | | x | | x | x |
| CU | = Copper | | | x | | x | x |
| DSRD 180 | = Dissolved solids, 180°C | x | x | | | | |
| F | = Fluoride | x | x | | | x | |
| FE | = Iron | | | x | | x | x |
| HG | = Mercury | | | x | | | x |
| I | = Iodide | x | x | | | | |
| K | = Potassium | x | x | x | | x | x |
| LI | = Lithium | | | x | | | x |
| MG | = Magnesium | x | x | x | | x | x |
| MN | = Manganese | | | x | | x | x |
| MO | = Molybdenum | | | x | | | x |
| NA | = Sodium | x | x | x | | x | x |
| NH3-N | = Ammonia as nitrogen | | | | x | x | |
| NI | = Nickel | | | x | | | x |
| NO2-N | = Nitrite as nitrogen | x | x | | x | | |
| NO3-N | = Nitrate as nitrogen | x | x | | x | | |
| ORG-N | = Organic nitrogen as nitrogen | | | | x | | |
| PB | = Lead | | | x | | x | x |
| PH | = pH | x | x | | | x | |
| PO4-P | = Orthophosphate as phosphorus | | | | x | | |
| P, TOTAL | = Phosphorus, Total as phosphorus | x | x | | x | | |

Standard Reference Water Samples in this listing include: M6, M94 (major constituents), T95 (trace constituents), N16 (nutrients), P8 (precipitation snowmelt), and SED3 (sediment), (continued).

| Abbreviation/Symbol | | M6 (mg/L) 1/ | M94 (mg/L) 1/ | T95 (µg/L) 2/ | N16 (mg/L) | P8 (µg/L) 3/ | SED3 (µg/g) 4/ |
|---|---|---|---|---|---|---|---|
| SB | = Antimony | | | x | | | |
| SE | = Selenium | | | x | | | x |
| SIO2 | = Silica | x | x | x | | | |
| SO4 | = Sulfate | x | x | | | x | |
| SP.COND. | = Specific conductance | x | x | | | x | |
| SR | = Strontium | x | x | x | | | x |
| TL | = Thallium | | | x | | x | |
| V | = Vanadium | x | x | x | | | x |
| ZN | = Zinc | | | x | | x | x |

1/ Results in mg/L except specific conductance (microsiemens or micromhos per centimeter at 25 °C); pH (units); boron, bromide, iodide, strontium, and vanadium (micrograms per liter).

2/ Results in µg/L except acidity, calcium, magnesium, potassium, silica, and sodium (milligrams per liter).

3/ Results in µg/L except specific conductance (microsiemens per centimeter at 25 °C); pH (units); acidity, ammonia, calcium, chloride, fluoride, magnesium, potassium, sodium and sulfate (milligrams per liter).

4/ Results in µg/g except aluminum, calcium, iron, magnesium potassium and sodium, (milligrams per gram).

## STATISTICAL EVALUATION

Statistical evaluations of the data were made to estimate the most probable value (MPV) for each of the constituents determined. Reported values of "less than" were considered as "not determined" and were not used (ignored) in the computation of the means, standard deviations, and so forth.

Outlying values for the remaining data were rejected on the basis of statistical tests as outlined in American Society for Testing and Materials (1981). After rejection of the outliers, the data remaining for each constituent were used to calculate the means, standard deviations, and percent deviation from the mean for each value. Outliers are not recalculated when determining the means and standard deviations for each determination listed by "method". The total range for each constituent included those values rejected as outliers. Confidence limits about the mean also were calculated; these limits define the range within which the true value may be expected to occur with a confidence level of 95 percent.

The mean, standard deviation, and confidence limits about the mean usually are reported to one more significant figure than the reported value. Statistical information is tabulated for each method used by three or more laboratories to determine a specific constituent. Tables 9, 11, 13, 15, 17, and 19, listing the mean and standard deviation for the constituent determined by each method, and the number of laboratories that used it, follow the analytical-data tables for each SRWS.

## LABORATORY PERFORMANCE AND REPORTED VALUES

To facilitate interlaboratory performance comparisons, ratings based on the analyses reported for each SRWS are included as tables 2-4 in this report. Laboratory performance for each constituent is rated on an arbitrary scale of 0 to 4 based on the number of "standard deviations" from the mean as indicated below:

4 (Excellent)---------0.00 to 0.50 standard deviation
3 (Good)--------------0.51 to 1.00 standard deviation
2 (Satisfactory)------1.01 to 1.50 standard deviations
1 (Questionable)-----1.51 to 2.00 standard deviations
0 (Poor)--------------Greater than 2.00 standard deviations

Averages of the constituent ratings for each Standard Reference Water Sample are given for each laboratory in the tables of overall laboratory performance (tables 2-6).

Laboratories were requested to identify the method used for each determination. The references for these methods are included with the analytical data and are identified in the following listing:

1. American Public Health Association and others, 1980, Standard methods for the examination of water and wastewater [15th ed.]: Washington, D.C., 1134 p.

2. American Society for Testing and Materials, 1982, Annual book of ASTM standards, Part 31: Philadelphia, PA, U.S.A., 1554 p.

3. Kopp, J. F., and McKee, G. F., 1978, Methods for chemical analysis of water and wastes: Cincinnati, Ohio, U.S. Environmental Protection Agency, 460 p.

4. Skougstad, M. W., Fishman, M. J., Friedman, L. C., Erdmann, D. E., and Duncan, S. S., eds., 1979, Methods for determination of inorganic substances in water and fluvial sediments: U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A1, 626 p.

5. Fishman, M. J., and Bradford, W. L., eds., 1982, A supplement to methods for the determinations of inorganic substances in water and fluvial sediments: (Supplement to U.S. Geological Survey Techniques of Water-Resources Investigations, Book 5, Chapter A1), U.S. Geological Survey Open-File Report 82-272, 136 p.

6. Fishman, M. J., and Pyen, Grace, 1979, Determination of selected anions in water by ion chromatography: U.S. Geological Survey Water-Resources Investigations 79-101, 30 p.

7. Other references and instrument manufacturer's operation manuals.

In many instances, virtually the same method is given in several references. In those cases, all references describing that method are listed. If the analytical method used was not included in any of the listed references, analysts were requested to indicate "Other". Reference columns are left blank, if no method or an "other" method was indicated.

Values reported for all constituents determined in each SRS are listed in tables 8, 10, 12, 14, 16, and 18. Each value has been rounded off, when necessary, to conform to U.S. Geological Survey policy on reporting analytical data as given by Bishop and others (1978).

## REFERENCES

American Society for Testing and Materials, 1981, Annual book of ASTM standards, Part 41, Philadelphia, Pa., 1390 p.

Bishop, E. E., Eckel, E. B., and others, 1978, Suggestions to Authors of the reports of the, U.S. Geological Survey: Washington, D. C., U.S. Government Printing Office, 6th edition, p. 198.

## PARTICIPATING LABORATORIES

### U.S. Geological Survey

CALIFORNIA, Sacramento: Yates 108
COLORADO, Denver: Arozarena 057
Reddy 119
Taylor/Garbarino 144
Taylor/Hedley 051
FLORIDA, Ocala: Kirkland 085
LOUISIANA, Baton Rouge: Garrison 077

### Cooperator

ALABAMA, Montgomery: ADEM Environmental Laboratory

ALASKA, Anchorage: Anchorage Water and Wastewater Utility

ARKANSAS, Little Rock: Ark. Department of Pollution Control and Ecology

CALIFORNIA, Bryte: California Department of Water Resources Chemical Laboratory
CALIFORNIA, Castaic: Department of Water Resources Chemical Laboratory
CALIFORNIA, La Mesa: San Diego Water Utilities Laboratory
CALIFORNIA, La Verne: The Metropolitan Water District of Southern California
CALIFORNIA, Lakeside: Helix Water District
CALIFORNIA, Mammoth Lakes: Sierra Nevada Aquatic Research Lab
CALIFORNIA, Oakland: East Bay Municipal Utility District
CALIFORNIA, Palm Desert: California Regional Water Quality Control Board
CALIFORNIA, Santa Barbara: University of California
CALIFORNIA, Santa Fe Springs: West Coast Analytical Service, Inc.
CALIFORNIA, Sausalito: U.S. Corps of Engineers-Pacific Division Laboratory

COLORADO, Alamosa: Bureau of Reclamation
COLORADO, Arvada: Rocky Mountain Analytical Laboratory
COLORADO, Aurora: Core Laboratories Incorporated
COLORADO, Denver: Metropolitan Denver Sewage Disposal District #1
COLORADO, Denver: Colorado Department of Health
COLORADO, Fort Collins: Environmental Services/Water Utilities
COLORADO, Golden: Rockwell International General Laboratories
COLORADO, Parachute: Union Oil Company, Upgrade Laboratory
COLORADO, Steamboat Springs: ACZ Inc/Bookcliffs Laboratory Division

FLORIDA, Tallahassee: City of Tallahassee Water Quality Laboratory
FLORIDA, Tampa: Hillsborough County Environmental Protection Commission

GEORGIA, Albany: Water, Gas and Light Commission
GEORGIA, Athens: Soil Testing and Plant Analysis Laboratory
GEORGIA, Athens: Univ. of Ga. Department of Horticulture
GEORGIA, Atlanta: Georgia Department of Natural Resources

ILLINOIS, Champaign: Illinois State Water Survey
ILLINOIS, Champaign: Illinois Environmental Protection Agency
ILLINOIS, Chicago: Illinois Environmental Protection Agency

Cooperator--continued

INDIANA, Indianapolis: Marion County Public Health Laboratory
INDIANA, Indianapolis: Indianapolis Department of Public Works

IOWA, Des Moines: University Hygienic Laboratory - Des Moines Branch

KANSAS, Lawrence: Kansas Geological Survey
KANSAS, Topeka: Kansas Department of Health and Environment

KENTUCKY, Bowling Green: Western Kentucky University
KENTUCKY, Frankfort: Kentucky Natural Resources & Environmental Protection
KENTUCKY, Louisville: Univ. of Louisville, Water Resources Lab

LOUISIANA, Lake Charles: Core Laboratories, Inc.

MAINE, Augusta: Maine Department of Environmental Protection

MARYLAND, Baltimore: Martel Laboratory Services, Inc.

MASSACHUSETTS, Wellesley Hills: Massachusetts Department of Public Works

MINNESOTA, Minneapolis: Braun Eng. and Testing Inc.
MINNESOTA, Minneapolis: Minnesota Public Health Department
MINNESOTA, St. Paul: Metropolitan Waste Control Commission

MISSOURI, Jefferson City: Missouri Dept. of Natural Resources

MONTANA, Butte: Montana Bureau of Mines and Geology

NEVADA, Boulder City: BOR, Lower Colorado Regional Lab
NEVADA, Las Vegas: Clark County Sanitation District
NEVADA, Reno: Water Analysis Laboratory, Desert Research Institute
NEVADA, Reno: Nevada State Health Laboratory
NEVADA, Sparks: City of Sparks, Jt. Treatment Plant
NEVADA, Sutcliffe: Pyramid Lake Fisheries

NEW JERSEY, Tom's River: Ocean County Health Department
NEW JERSEY, Trenton: N.J. Department of Health Environmental and Chemical Laboratory

NEW MEXICO, Albuquerque: City of Albuquerque Water Resources Laboratory
NEW MEXICO, Gallup: Bureau of Indian Affairs - Natural Resources and Engineering Laboratory

NEW YORK, Buffalo: Erie County Public Health Laboratory
NEW YORK, Central Islip: Suffolk County Health Services Department
NEW YORK, Hempstead: Nassau County Department of Health
NEW YORK, Millbrook: Institute of Ecosystem Studies
NEW YORK, New York City: New York City Health Department
NEW YORK, North Babylon: EcoTest Laboratories, Inc.

Cooperator--continued

NEW YORK, Oakdale: Suffolk County Water Authority
NEW YORK, Rochester: FEV Wastewater Treatment Facility Laboratory
NEW YORK, Rochester: Monroe County Environmental Health Laboratory
NEW YORK, Syracuse: Syracuse Univ. Department of Civil Engineering
NEW YORK, Westbury: Nytest Environmental, Inc.

NORTH CAROLINA, Browns Summit: Lake Townsend Water Filtration Plant
NORTH CAROLINA, Charlotte: Mecklenburg County Environmental Health Department
NORTH CAROLINA, Greensboro: City of Greensboro, Osborne Plant

NORTH DAKOTA, Bismarck: North Dakota State Water Commission

OHIO, Columbus: Ohio Environmental Protection Agency Water Quality Laboratory
OHIO, Dayton: The Miami Conservancy District
OHIO, Medina: Medina County Sanitary Engineering Department
OHIO, Tiffin: Heidelberg College, Water Quality Laboratory

OKLAHOMA, Norman: Oklahoma Geological Survey
OKLAHOMA, Oklahoma City: Oklahoma Dept. of Agriculture Laboratory

OREGON, Corvallis: U.S. Department of Agriculture, Forestry Sciences Laboratory
OREGON, Sandy: Bureau of Water Works, Water Quality Laboratory

PENNSYLVANIA, Harrisburg: Pennsylvania DER, Bureau of Laboratories

SOUTH DAKOTA, Brookings: South Dakota State University, Water Quality Laboratory
SOUTH DAKOTA, Vermillion: South Dakota Geological Survey

TENNESSEE, Chattanooga: Tennessee Valley Authority, Laboratory Branch

TEXAS, Corpus Christi: Core Laboratories, Inc.
TEXAS, Tyler: Core Laboratories, Inc.

UTAH, Logan: Ecosystem Research Institute

VIRGINIA, Culpeper: Environmental System Service
VIRGINIA, Richmond: Commonwealth of VA DGS
VIRGINIA, Springfield: VERSAR, Inc.

WASHINGTON, Richland: Battelle, Pacific NW Lab
WASHINGTON, Richland: Rockwell Hanford Operations

WEST VIRGINIA, Morgantown: West Virginia Geologic and Economic Survey

WISCONSIN, Madison: State Laboratory of Hygiene
WISCONSIN, Milwaukee: Milwaukee Metropolitan Sewerage District

WYOMING, Casper: Core Laboratories, Inc.
WYOMING, Cheyenne: Department of Environmental Quality, Water Quality Division
WYOMING, Laramie: Wyoming Department of Agriculture

PUERTO RICO, San Juan: Department of Natural Resources, Laboratory Division

Cooperator--continued

The following laboratories requested test samples, which were shipped to them, but no data were received:

ALABAMA, Tuscaloosa: Geological Survey of Alabama
ALASKA, Fairbanks: Alaska Geology and Geophysics Survey
ALASKA, Soldotna: Alaska Dept. of Fish and Game, Limnology Lab
ARIZONA, Phoenix: Arizona State Laboratory
CALIFORNIA, Berkeley: Calif. Department of Health, Radiation Laboratory
CALIFORNIA, Menlo Park: U.S. Geological Survey
COLORADO, Denver: Center for Environmental Sciences, Univ. of Colo./Denver
COLORADO, Denver: Denver Water Department - Quality Control Laboratory
COLORADO, Pueblo: Board of Water Works
FLORIDA, Palatka: St. John's River Water Management District
FLORIDA, West Palm Beach: South Florida Water Management District
GEORGIA, Tifton: U.S. Department of Agriculture, SE Watershed Laboratory
MAINE, Orono: Univeristy of Maine
MASSACHUSETTS, Barnstable: Barnstable County Health & Environmental Dept.
MISSOURI, Columbia: Environmental Trace Substances Research Center
NEW YORK, Syracuse: Onondaga County Department of Drainage and Sanitation
NEW YORK, Syracuse: Syracuse Univ. Heroy Laboratory
NEW YORK, Wantagh: Cedar Creek Advanced Wastewater Treatment Lab
SOUTH CAROLINA, Columbia: SC Water Resources Commission

**Table 1.--Explanation of abbreviations and symbols used in computer printout sections**

APDC - ammonium pyrrolidine dithiocarbamate
AUTO - automated
AVG - average
BLK - block
CHCL3 - chloroform
CO'METRIC - colorimetric
DC - direct current
DEV - deviation
DIG - digestion
EDTA - ethylenediaminetetraacetic acid
H2SO4 - sulfuric acid
IC - inductively coupled
IGNORED - valued reported as less than detection level and not used in statistical analyses
K & HG SO4 - potassium & mercuric sulfate
MIBK - methyl isobutyl ketone
NABH4 - sodium borohydride
ND - not determined
NR - not rated
PCT - percent
PDCA - pyrrolidine dithiocarbamic acid
PERSULF - persulfate
PHOSPHOMOLYBD - phosphomolybdate
REJECT - values identified as an outlier and not used in statistical analyses
SPADNS - sodium 2-(parasulfophenylazo)-1,8-dihydroxy-3,6-naphthalene disulfonate
STD - standard
% - percent
< - less than
> - greater than
--- - dashes in values columns of Statistics by Methods indicate methods used but without sufficient data to calculate meaningful means and standard deviations

Table 2 Standard Reference Water Sample No. M6 (Major Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | ALK(CACO3) | B | BR | CA | CL | DSRD 180 | F | I | K | MG |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | NR | NR | 4 | 4 | 4 | 3 | ND | 2 | 3 |
| 2 | 0 | 3 | ND | ND | ND | 3 | 3 | ND | 3 | 3 |
| 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4 | 4 | ND | ND | 4 | ND | 4 | 3 | ND | ND | ND |
| 6 | 4 | 2 | NR | 4 | 4 | 2 | 3 | ND | 4 | 3 |
| 7 | 2 | ND | ND | 4 | 4 | 4 | 3 | ND | 4 | 3 |
| 8 | 3 | 3 | ND | 4 | 0 | 4 | 3 | ND | 4 | 3 |
| 9 | 4 | 4 | ND | 1 | 4 | ND | 0 | ND | 3 | 3 |
| 10 | 4 | ND | ND | ND | ND | ND | 3 | ND | ND | ND |
| 13 | 4 | NR | ND | 3 | 4 | 0 | 3 | ND | 3 | 3 |
| 14 | ND | 3 | ND | ND | 4 | 4 | ND | ND | ND | ND |
| 15 | 4 | NR | ND | 4 | 2 | 4 | 3 | ND | 4 | 3 |
| 16 | 4 | ND | ND | ND | 4 | ND | 3 | ND | ND | ND |
| 17 | ND | ND | ND | 0 | ND | ND | ND | ND | 3 | 3 |
| 19 | 0 | ND | ND | 0 | 0 | 4 | 0 | ND | 3 | 3 |
| 20 | 0 | ND | ND | 2 | 0 | 3 | 0 | ND | 3 | 3 |
| 22 | 0 | NR | NR | 2 | 0 | 4 | 3 | NR | 2 | 0 |
| 24 | 4 | ND | ND | 3 | 4 | 3 | 3 | ND | 4 | 0 |
| 25 | 2 | 3 | ND | 3 | 3 | 3 | 3 | ND | 2 | 3 |
| 27 | 2 | ND | ND | 3 | 4 | 3 | 3 | ND | 3 | 3 |
| 29 | ND | ND | ND | 2 | 1 | 4 | 3 | ND | 4 | 0 |
| 30 | 3 | ND | ND | 4 | 4 | 4 | 3 | ND | 4 | 3 |
| 33 | 3 | ND | ND | 3 | 3 | 2 | 3 | ND | 4 | 3 |
| 34 | 4 | NR | ND | 4 | 2 | 4 | 3 | ND | 4 | 3 |
| 36 | 4 | ND | ND | 4 | 4 | 3 | 3 | ND | 3 | 3 |
| 37 | 3 | ND | ND | 0 | 4 | 3 | 3 | ND | 1 | 3 |
| 38 | 3 | 4 | NR | 3 | 4 | 4 | 3 | ND | 4 | 3 |
| 40 | 4 | 3 | ND | 4 | 2 | 3 | 3 | ND | 4 | 3 |
| 41 | 2 | NR | ND | 4 | 4 | 0 | 3 | ND | 4 | 3 |
| 42 | ND | ND | ND | 4 | 4 | ND | ND | ND | 3 | 3 |
| 43 | 4 | ND | ND | 2 | 3 | 2 | ND | ND | 4 | 3 |
| 44 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 45 | 4 | ND | ND | ND | ND | 4 | ND | ND | ND | ND |
| 46 | 2 | NR | ND | 3 | 4 | 3 | 3 | ND | 0 | 3 |
| 47 | ND | 0 | ND | 3 | 1 | 3 | 3 | ND | 4 | 3 |
| 48 | 2 | NR | ND | 2 | 4 | 3 | 3 | ND | 0 | 3 |
| 49 | 0 | 3 | ND | 4 | 4 | ND | 3 | ND | 3 | 3 |
| 50 | 2 | ND | ND | 1 | ND | 0 | 3 | ND | 2 | 3 |
| 51 | ND | 3 | ND | 2 | 4 | ND | 3 | ND | ND | 3 |
| 52 | 4 | 3 | ND | 4 | 4 | ND | ND | ND | 4 | 3 |
| 53 | 4 | ND | ND | 2 | 3 | 4 | ND | ND | 2 | 0 |
| 56 | 4 | ND | ND | 0 | 3 | 4 | 3 | ND | 0 | 0 |
| 57 | 4 | 3 | NR | 4 | 3 | 3 | 3 | ND | 4 | 3 |
| 58 | 3 | ND | ND | ND | 2 | 3 | 3 | ND | ND | ND |
| 63 | 3 | NR | ND | 4 | 4 | 3 | 3 | ND | 0 | 0 |
| 64 | 4 | ND | ND | 1 | ND | 4 | ND | ND | 4 | 3 |
| 65 | ND | ND | ND | ND | 4 | ND | ND | ND | ND | ND |
| 67 | 2 | 2 | ND | 0 | 4 | ND | ND | ND | 3 | 3 |
| 69 | 0 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 70 | 3 | ND | ND | 4 | 2 | 4 | 0 | ND | ND | 3 |
| 72 | 4 | ND | ND | 4 | 3 | 0 | ND | ND | 3 | 3 |
| 73 | 3 | 4 | ND | 4 | 2 | ND | ND | ND | 4 | 3 |
| 74 | ND | ND | ND | ND | 4 | ND | ND | ND | ND | ND |
| 76 | 3 | ND | ND | 4 | 3 | 3 | 0 | ND | 2 | 3 |
| 77 | 4 | ND | ND | 3 | 4 | 4 | 3 | ND | 4 | 3 |
| 79 | 2 | ND | ND | ND | 3 | 4 | ND | ND | ND | ND |
| 80 | 4 | 1 | ND | 4 | 2 | 2 | 3 | ND | 2 | 3 |
| 81 | 3 | ND | ND | 4 | 2 | 3 | 3 | ND | 0 | 3 |
| 82 | ND | ND | ND | ND | 0 | ND | ND | ND | ND | ND |
| 83 | 3 | NR | ND | 4 | 4 | 2 | 3 | ND | 0 | 3 |
| 84 | 3 | ND | ND | 0 | 4 | 0 | ND | ND | 4 | 3 |
| 85 | 3 | NR | ND | 3 | 2 | 4 | 3 | ND | 4 | 3 |
| 86 | 1 | ND | ND | 4 | 4 | ND | 3 | ND | 4 | 3 |
| 91 | 1 | ND | ND | 2 | 0 | 3 | 3 | ND | 2 | 3 |
| 93 | 3 | 0 | ND | 4 | 4 | 4 | 3 | ND | 4 | 3 |
| 94 | 0 | ND | ND | ND | ND | 2 | ND | ND | ND | ND |
| 95 | ND | ND | ND | ND | 0 | ND | ND | ND | ND | ND |
| 96 | 2 | ND | ND | 4 | 2 | ND | 3 | ND | 4 | 0 |
| 98 | 4 | 1 | ND | 3 | 4 | 3 | 3 | ND | 4 | 3 |
| 99 | 1 | 0 | ND | 0 | 0 | 1 | 3 | ND | 2 | 0 |
| 102 | 4 | ND | ND | 2 | 2 | 0 | ND | ND | 2 | 0 |
| 103 | 2 | NR | ND | 3 | 4 | ND | 3 | ND | 0 | 3 |
| 104 | 0 | ND | ND | 0 | 3 | 2 | 3 | ND | 4 | 3 |
| 107 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 108 | ND | 2 | ND | 4 | 4 | 4 | ND | ND | 4 | 3 |
| 109 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 110 | ND | 4 | ND | 4 | ND | ND | ND | ND | 0 | 3 |
| 111 | ND | 3 | ND | 4 | ND | ND | ND | ND | ND | 3 |
| 112 | 4 | NR | ND | 4 | 3 | 3 | 3 | ND | 2 | 3 |
| 113 | 0 | ND | ND | 4 | ND | ND | 0 | ND | 3 | 0 |
| 118 | 4 | ND | ND | 4 | 4 | 4 | ND | ND | NR | 3 |
| 121 | ND | ND | ND | 4 | 4 | 3 | ND | ND | 4 | 3 |
| 122 | ND | ND | ND | 1 | 2 | 3 | ND | ND | 0 | 0 |
| 123 | 1 | 2 | ND | 4 | 2 | 4 | 3 | ND | 4 | 3 |
| 124 | 0 | ND | ND | ND | 3 | ND | ND | ND | ND | ND |
| 127 | ND | NR | NR | 1 | ND | ND | ND | NR | ND | 3 |
| 142 | 3 | 4 | NR | 4 | 3 | 4 | 3 | ND | 3 | 3 |
| 144 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Table 2 Standard Reference Water Sample No. M6 (Major Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | NA | NO2-N | NO3-N | P, TOTAL | PH | SIO2 | SO4 | SP. COND. | SR | V | N | Avg. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | NR | 1 | NR | 3 | 2 | 3 | 3 | 0 | ND | 14 | 2.71 |
| 2 | ND | NR | 4 | NR | 4 | ND | 2 | 0 | ND | ND | 10 | 2.50 |
| 3 | ND | ND | ND | ND | 3 | ND | ND | 3 | ND | ND | 2 | 3.00 |
| 4 | 3 | ND | 2 | NR | 0 | ND | 3 | 4 | ND | ND | 9 | 3.00 |
| 6 | 4 | NR | 4 | 3 | 4 | 4 | 4 | 2 | 4 | NR | 16 | 3.44 |
| 7 | 3 | NR | 4 | 0 | 0 | ND | 3 | 4 | ND | ND | 13 | 2.92 |
| 8 | 4 | NR | 2 | NR | 0 | 3 | 4 | 3 | 4 | NR | 15 | 2.93 |
| 9 | 4 | ND | 4 | 3 | 4 | 3 | 3 | 1 | ND | ND | 14 | 2.93 |
| 10 | ND | ND | ND | ND | 4 | ND | 3 | 1 | ND | ND | 5 | 3.00 |
| 13 | 2 | NR | 3 | 2 | 4 | 4 | 2 | 3 | 4 | 2 | 16 | 2.88 |
| 14 | ND | NR | 3 | 3 | 3 | 3 | 3 | 4 | ND | ND | 9 | 3.33 |
| 15 | 4 | NR | 1 | NR | 0 | 3 | 4 | 4 | 3 | 3 | 15 | 3.07 |
| 16 | ND | ND | ND | ND | 4 | ND | ND | 3 | ND | ND | 5 | 3.60 |
| 17 | 2 | ND | ND | ND | ND | 0 | 0 | 4 | ND | ND | 7 | 1.71 |
| 19 | 0 | ND | 0 | ND | 0 | ND | 0 | 0 | ND | ND | 12 | 0.83 |
| 20 | 2 | NR | 1 | 0 | 4 | 4 | 0 | 0 | ND | ND | 14 | 1.57 |
| 22 | 0 | NR | 0 | NR | 4 | 0 | 3 | 4 | 4 | 0 | 15 | 1.73 |
| 24 | 4 | NR | 4 | ND | 2 | 3 | 0 | 4 | 4 | 1 | 15 | 2.67 |
| 25 | 0 | ND | 4 | ND | 3 | 3 | 1 | 3 | ND | ND | 14 | 2.57 |
| 27 | 4 | NR | 1 | ND | 4 | ND | 4 | 2 | ND | ND | 12 | 3.00 |
| 29 | 3 | 4 | 4 | 3 | 3 | ND | 1 | 0 | ND | ND | 13 | 2.46 |
| 30 | 3 | NR | 4 | 4 | 4 | 4 | 4 | 4 | ND | ND | 14 | 3.71 |
| 33 | 0 | ND | 2 | NR | 0 | ND | 0 | 3 | ND | ND | 12 | 2.17 |
| 34 | 3 | NR | 4 | 3 | 3 | 2 | 4 | 4 | ND | ND | 14 | 3.36 |
| 36 | 0 | NR | 4 | ND | 4 | 4 | 4 | 4 | 3 | ND | 14 | 3.36 |
| 37 | 1 | NR | 4 | 3 | 3 | ND | 4 | 4 | ND | ND | 13 | 2.77 |
| 38 | 4 | NR | 2 | NR | 3 | 4 | 3 | 4 | ND | NR | 14 | 3.43 |
| 40 | 4 | 4 | 3 | 3 | 2 | 4 | 4 | 4 | ND | ND | 16 | 3.38 |
| 41 | 3 | 4 | 3 | 3 | 0 | 2 | 4 | 4 | 4 | NR | 16 | 2.94 |
| 42 | 4 | NR | 4 | 3 | 4 | 4 | 3 | ND | ND | ND | 10 | 3.60 |
| 43 | 3 | NR | 2 | NR | ND | ND | 0 | 4 | ND | ND | 10 | 2.70 |
| 44 | ND | 0 | ND | NR | 3 | ND | ND | ND | ND | ND | 3 | 2.00 |
| 45 | ND | ND | 3 | ND | ND | ND | 4 | ND | ND | ND | 4 | 3.75 |
| 46 | 1 | NR | 0 | ND | 0 | ND | 4 | 4 | ND | ND | 12 | 2.25 |
| 47 | 3 | ND | 0 | 4 | 3 | 1 | 2 | 4 | 4 | 3 | 16 | 2.56 |
| 48 | 3 | NR | 1 | 2 | 2 | 3 | 3 | 4 | ND | ND | 14 | 2.50 |
| 49 | 4 | ND | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 16 | 3.38 |
| 50 | 4 | 4 | 4 | ND | 3 | ND | 0 | 4 | ND | ND | 12 | 2.50 |
| 51 | 4 | ND | 2 | NR | ND | ND | 4 | ND | 4 | ND | 9 | 3.22 |
| 52 | 4 | ND | 4 | ND | 4 | 4 | 4 | 4 | 4 | 4 | 14 | 3.86 |
| 53 | 0 | NR | 1 | NR | 3 | ND | 3 | 3 | 3 | ND | 12 | 2.33 |
| 56 | 3 | 4 | 2 | 2 | 4 | ND | 4 | 2 | ND | ND | 14 | 2.50 |
| 57 | 3 | NR | 4 | NR | 2 | 4 | 4 | 4 | 4 | 3 | 16 | 3.44 |
| 58 | ND | 4 | 2 | NR | 4 | ND | 3 | 4 | ND | ND | 9 | 3.11 |
| 63 | 0 | ND | 3 | NR | 4 | 1 | 0 | 1 | 0 | NR | 14 | 1.86 |
| 64 | 4 | 4 | 4 | 3 | 2 | 4 | ND | 4 | ND | ND | 12 | 3.42 |
| 65 | ND | NR | 3 | 2 | ND | ND | ND | ND | ND | ND | 3 | 3.00 |
| 67 | 2 | ND | 4 | ND | 4 | ND | 3 | 1 | 4 | ND | 12 | 2.67 |
| 69 | ND | ND | ND | NR | 3 | ND | ND | 0 | ND | ND | 3 | 1.00 |
| 70 | 0 | ND | 1 | ND | 4 | ND | 4 | 3 | ND | ND | 11 | 2.55 |
| 72 | 3 | ND | 3 | ND | ND | ND | 0 | 0 | ND | ND | 10 | 2.30 |
| 73 | 4 | NR | 3 | 3 | 4 | 4 | ND | 3 | 4 | 4 | 14 | 3.50 |
| 74 | ND | NR | 4 | NR | 4 | ND | ND | 4 | ND | ND | 4 | 4.00 |
| 76 | 3 | NR | 4 | ND | 2 | ND | 0 | 1 | ND | ND | 12 | 2.33 |
| 77 | 4 | ND | ND | ND | 4 | ND | 4 | 3 | ND | ND | 11 | 3.64 |
| 79 | ND | NR | 4 | 4 | 3 | ND | 3 | 0 | ND | ND | 8 | 2.88 |
| 80 | 4 | ND | 4 | NR | 4 | 3 | 4 | 3 | 4 | 3 | 16 | 3.13 |
| 81 | 3 | NR | 1 | NR | 0 | ND | 0 | 1 | ND | ND | 12 | 1.92 |
| 82 | ND | ND | 1 | ND | ND | 2 | ND | 3 | ND | ND | 4 | 1.50 |
| 83 | 2 | 4 | 0 | 3 | 3 | 3 | 4 | 3 | ND | NR | 15 | 2.73 |
| 84 | 4 | ND | 4 | 3 | 4 | ND | 1 | 0 | ND | ND | 12 | 2.50 |
| 85 | 4 | 4 | 3 | 3 | 4 | 3 | 1 | 4 | 4 | ND | 16 | 3.25 |
| 86 | 4 | NR | 4 | 4 | 4 | ND | 3 | 2 | ND | ND | 12 | 3.33 |
| 91 | 3 | NR | 4 | 4 | 3 | 0 | 4 | 3 | ND | ND | 14 | 2.50 |
| 93 | 4 | NR | 1 | 0 | 3 | 1 | 3 | 3 | 4 | NR | 16 | 2.75 |
| 94 | ND | ND | ND | ND | 3 | ND | ND | 3 | ND | ND | 4 | 2.00 |
| 95 | ND | NR | 4 | NR | 4 | 4 | ND | ND | ND | ND | 4 | 3.00 |
| 96 | 3 | ND | 4 | 2 | 1 | ND | 4 | 4 | ND | ND | 12 | 2.75 |
| 98 | 3 | 0 | NR | NR | 4 | 4 | 0 | 4 | 4 | 3 | 16 | 2.94 |
| 99 | 0 | NR | 3 | ND | 4 | 0 | 4 | 0 | ND | ND | 14 | 1.29 |
| 102 | 3 | ND | ND | ND | 4 | ND | 3 | 4 | ND | ND | 10 | 2.40 |
| 103 | 4 | ND | 4 | ND | 4 | 3 | 4 | 3 | 4 | NR | 13 | 3.15 |
| 104 | 4 | ND | 3 | 3 | 4 | 2 | 0 | 4 | 4 | NR | 15 | 2.60 |
| 107 | ND | ND | 4 | 3 | ND | ND | 2 | ND | ND | ND | 3 | 3.00 |
| 108 | 4 | NR | 4 | 0 | 2 | 4 | 2 | 4 | ND | ND | 13 | 3.15 |
| 109 | ND | NR | 0 | NR | 2 | ND | ND | 4 | ND | ND | 3 | 2.00 |
| 110 | 3 | ND | ND | 0 | ND | 4 | ND | ND | 4 | 1 | 9 | 2.56 |
| 111 | 4 | ND | ND | ND | 4 | ND | ND | 3 | ND | ND | 6 | 3.50 |
| 112 | 4 | 4 | 4 | 0 | 2 | 3 | 0 | ND | 0 | ND | 15 | 2.60 |
| 113 | ND | NR | 1 | NR | 1 | ND | ND | ND | ND | ND | 7 | 1.29 |
| 118 | 3 | ND | 4 | NR | 3 | 4 | 4 | 3 | ND | ND | 11 | 3.64 |
| 121 | 4 | NR | 4 | NR | ND | ND | 4 | ND | ND | ND | 8 | 3.75 |
| 122 | 0 | ND | NR | ND | 4 | ND | 3 | 4 | ND | ND | 9 | 1.89 |
| 123 | 4 | ND | 2 | ND | 3 | 4 | 4 | 3 | ND | ND | 14 | 3.07 |
| 124 | ND | ND | ND | ND | 1 | ND | ND | ND | ND | ND | 3 | 1.33 |
| 127 | 0 | ND | ND | NR | ND | ND | ND | ND | 4 | ND | 4 | 2.00 |
| 142 | 4 | NR | 1 | NR | 0 | 4 | 4 | 2 | 4 | 3 | 16 | 3.06 |
| 144 | ND | ND | ND | ND | ND | ND | ND | ND | 4 | ND | 1 | 4.00 |

Table 3 Standard Reference Water Sample No. M94 (Major Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | ALK(CACO3) | B | BR | CA | CL | DSRD 180 | F | I | K | MG |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 4 | 3 | 4 | 2 | 4 | 3 | ND | 4 | 3 |
| 2 | 3 | ND | ND | 4 | 0 | ND | 4 | ND | ND | 3 |
| 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 4 | 3 | ND | ND | 3 | 4 | 4 | 3 | ND | ND | ND |
| 6 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | ND | 4 | 3 |
| 7 | 2 | ND | ND | 3 | 1 | 4 | 3 | ND | 4 | 3 |
| 8 | 2 | 3 | ND | 4 | 0 | 3 | 2 | ND | 4 | 3 |
| 9 | 3 | 0 | ND | 3 | 4 | ND | 3 | ND | 4 | 3 |
| 12 | 4 | ND | ND | ND | 4 | 3 | 2 | ND | ND | ND |
| 13 | 4 | NR | ND | 4 | 3 | 2 | 3 | ND | 0 | 4 |
| 14 | ND | 0 | ND | ND | 4 | 4 | ND | ND | ND | ND |
| 15 | 3 | 3 | ND | 4 | 3 | 4 | 4 | ND | 3 | 2 |
| 16 | 4 | ND | ND | ND | 3 | ND | 4 | ND | ND | ND |
| 19 | 3 | ND | 4 | 0 | 0 | 2 | 0 | ND | 2 | 4 |
| 20 | 0 | ND | ND | 3 | 0 | 0 | 0 | ND | 1 | 3 |
| 22 | 0 | 0 | 3 | 4 | 0 | 4 | 0 | NR | 1 | 0 |
| 23 | 2 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 24 | 3 | ND | ND | 4 | 4 | 4 | 3 | ND | 4 | 2 |
| 25 | 1 | 3 | ND | 2 | 0 | 4 | 1 | ND | 2 | 4 |
| 27 | 1 | ND | ND | 4 | 4 | 4 | 3 | ND | 3 | 4 |
| 29 | ND | ND | ND | 3 | 1 | 0 | 3 | ND | 4 | 0 |
| 30 | 0 | ND | ND | 4 | 4 | 4 | 3 | ND | 1 | 3 |
| 33 | 3 | ND | ND | 0 | 0 | 4 | 4 | ND | 2 | 4 |
| 34 | 4 | NR | ND | 4 | 1 | 4 | 1 | ND | 4 | 4 |
| 36 | 4 | ND | 4 | 4 | 4 | 1 | 2 | ND | 4 | 4 |
| 37 | 4 | ND | ND | 0 | 4 | 4 | 4 | ND | 4 | 3 |
| 38 | 0 | 4 | 4 | 3 | 2 | 4 | 4 | ND | 1 | 1 |
| 40 | 3 | 3 | ND | 4 | 4 | 4 | 4 | ND | 3 | 4 |
| 41 | 2 | 1 | ND | 1 | 4 | 2 | 2 | ND | 2 | 4 |
| 42 | ND | ND | ND | 3 | 4 | ND | ND | ND | 2 | 4 |
| 43 | 4 | ND | ND | 2 | 4 | 4 | ND | ND | 3 | 1 |
| 44 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 45 | 3 | ND | ND | ND | ND | 4 | ND | ND | ND | ND |
| 46 | 0 | NR | ND | 3 | 4 | 3 | 4 | ND | 4 | 2 |
| 47 | ND | 0 | ND | 3 | 3 | 4 | 0 | ND | 3 | 3 |
| 48 | 2 | 2 | ND | 3 | 3 | 3 | 4 | ND | 2 | 4 |
| 49 | 0 | 4 | ND | 4 | 4 | ND | 2 | ND | 4 | 4 |
| 50 | 4 | ND | ND | 0 | ND | 0 | 4 | ND | 3 | 0 |
| 52 | 1 | 2 | ND | 4 | 3 | ND | ND | ND | 4 | 4 |
| 53 | 3 | ND | ND | 2 | 4 | 4 | ND | ND | 4 | 0 |
| 54 | 0 | 4 | 1 | 1 | 2 | ND | 4 | ND | 2 | 3 |
| 56 | 4 | ND | ND | 0 | 3 | 0 | 0 | ND | 0 | 0 |
| 57 | 4 | 4 | 1 | 3 | 3 | 4 | 3 | ND | 4 | 4 |
| 58 | 4 | ND | ND | ND | 4 | 1 | 4 | ND | ND | ND |
| 59 | 2 | ND | ND | 3 | 1 | 3 | ND | ND | 0 | 0 |
| 61 | ND | ND | ND | 3 | ND | ND | ND | ND | 3 | 2 |
| 62 | 4 | ND | ND | 4 | 4 | 4 | 4 | ND | 2 | 3 |
| 63 | 4 | NR | ND | 2 | 4 | 3 | 4 | ND | 0 | 1 |
| 64 | 2 | ND | ND | 1 | ND | 2 | ND | ND | 3 | 4 |
| 65 | ND | ND | ND | ND | 2 | ND | ND | ND | ND | ND |
| 68 | 4 | 4 | ND | 3 | 4 | 4 | 3 | ND | 4 | 2 |
| 69 | 2 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 70 | 3 | ND | ND | 4 | 4 | 4 | 0 | ND | ND | 2 |
| 72 | 4 | ND | ND | 2 | 4 | 0 | ND | ND | 4 | 4 |
| 73 | 4 | 3 | ND | 4 | 2 | ND | ND | ND | 3 | 4 |
| 74 | ND | ND | ND | ND | 4 | ND | ND | ND | ND | ND |
| 77 | 3 | ND | ND | 4 | 4 | 3 | 0 | ND | 2 | 1 |
| 79 | 3 | ND | ND | ND | 4 | 4 | ND | ND | ND | ND |
| 80 | 4 | 4 | ND | 4 | 3 | 0 | 3 | ND | 0 | 4 |
| 81 | 3 | ND | ND | 3 | 4 | 4 | 3 | ND | 0 | 3 |
| 82 | ND | ND | ND | ND | 0 | ND | ND | ND | ND | ND |
| 83 | 3 | NR | ND | 4 | 4 | 0 | 3 | ND | 2 | 1 |
| 84 | 3 | ND | ND | 0 | 0 | 0 | ND | ND | 3 | 0 |
| 85 | 3 | 4 | ND | 4 | 3 | 4 | 4 | ND | 4 | 3 |
| 86 | 0 | ND | ND | 4 | 3 | ND | 4 | ND | 3 | 4 |
| 87 | 3 | ND | NR | 2 | 2 | ND | 3 | ND | 4 | 4 |
| 90 | 3 | ND | ND | 3 | 4 | ND | 1 | ND | 4 | 1 |
| 91 | 2 | ND | ND | 3 | 3 | 2 | 3 | ND | 2 | 2 |
| 93 | 4 | 0 | ND | 4 | 4 | 4 | 2 | ND | 4 | 4 |
| 94 | 3 | ND | ND | ND | ND | 4 | ND | ND | ND | ND |
| 95 | ND | ND | ND | ND | 0 | 4 | ND | ND | ND | ND |
| 97 | 4 | 0 | ND | 4 | 4 | 3 | 1 | ND | 2 | 4 |
| 98 | 3 | 4 | ND | 1 | 4 | 2 | 3 | ND | 4 | 0 |
| 99 | 1 | 3 | ND | 2 | 4 | 0 | 4 | ND | 4 | 2 |
| 102 | 4 | ND | ND | 1 | 3 | 0 | ND | ND | 4 | 1 |
| 103 | 3 | 4 | ND | 3 | 4 | ND | 0 | ND | 4 | 3 |
| 104 | 4 | ND | ND | 4 | 3 | 0 | 3 | ND | 4 | 3 |
| 105 | 4 | 3 | ND | 4 | 1 | 3 | 4 | ND | 2 | 3 |
| 107 | 3 | ND | ND | ND | 3 | 3 | ND | ND | ND | ND |
| 108 | ND | 4 | ND | 4 | 3 | 3 | ND | ND | 3 | 4 |
| 110 | ND | 4 | ND | 4 | ND | ND | ND | ND | 2 | 3 |
| 111 | ND | 3 | ND | 4 | ND | ND | ND | ND | 1 | 3 |
| 112 | 4 | NR | ND | 0 | 4 | 3 | 4 | ND | 4 | 3 |
| 113 | 4 | ND | ND | 0 | ND | ND | ND | ND | 3 | 2 |
| 118 | 3 | ND | ND | 2 | 3 | 4 | ND | ND | 2 | 2 |
| 121 | ND | ND | ND | 4 | 3 | 2 | ND | ND | 4 | 4 |
| 122 | ND | ND | ND | 3 | 0 | 2 | ND | ND | 0 | 2 |
| 123 | 2 | 0 | ND | 4 | 4 | 4 | 2 | ND | 3 | 3 |
| 124 | 0 | ND | ND | ND | 3 | ND | ND | ND | ND | ND |
| 127 | ND | NR | 0 | 2 | ND | ND | ND | NR | ND | 0 |
| 142 | 3 | 4 | 4 | 4 | 3 | 4 | 1 | ND | 3 | 4 |

Table 3 Standard Reference Water Sample No. M94 (Major Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | NA | NO2-N | NO3-N | P, TOTAL | PH | SIO2 | SO4 | SP. COND. | SR | V | N | Avg. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | NR | 0 | 2 | 3 | 2 | 4 | 4 | 4 | ND | 17 | 3.06 |
| 2 | 3 | ND | 2 | 4 | 3 | 4 | 2 | 3 | ND | ND | 12 | 2.92 |
| 3 | ND | ND | ND | 4 | 4 | ND | ND | 1 | ND | ND | 3 | 3.00 |
| 4 | 3 | ND | 4 | 4 | 4 | ND | 2 | 0 | ND | ND | 11 | 3.09 |
| 6 | 4 | NR | 4 | 4 | 3 | 4 | 4 | 4 | 4 | NR | 17 | 3.65 |
| 7 | 0 | NR | 4 | 4 | 4 | ND | 0 | 3 | ND | ND | 13 | 2.69 |
| 8 | 2 | NR | 2 | 4 | 2 | 4 | 3 | 4 | 4 | NR | 16 | 2.88 |
| 9 | 3 | ND | 4 | 4 | 4 | 3 | 3 | 3 | ND | ND | 14 | 3.14 |
| 12 | ND | NR | 3 | 2 | 3 | 4 | 4 | 2 | ND | ND | 10 | 3.10 |
| 13 | 2 | 3 | 4 | 3 | 2 | 4 | 2 | 4 | 4 | 0 | 17 | 2.82 |
| 14 | ND | NR | 3 | 2 | 1 | 4 | 0 | 3 | ND | ND | 9 | 2.33 |
| 15 | 4 | NR | 3 | 4 | 3 | 4 | 0 | 4 | 0 | NR | 16 | 3.00 |
| 16 | ND | ND | ND | ND | 2 | ND | ND | 3 | ND | ND | 5 | 3.20 |
| 19 | 0 | 4 | 0 | ND | 0 | ND | 0 | 0 | ND | ND | 14 | 1.36 |
| 20 | 4 | NR | 0 | 0 | 4 | 3 | 0 | 4 | ND | ND | 14 | 1.57 |
| 22 | 1 | NR | 4 | 2 | 3 | 0 | 3 | 4 | 2 | 0 | 18 | 1.72 |
| 23 | ND | 3 | 4 | 4 | 2 | 3 | ND | 3 | ND | ND | 7 | 3.00 |
| 24 | 3 | NR | 4 | 0 | 3 | 4 | 0 | 4 | 1 | 0 | 16 | 2.69 |
| 25 | 0 | ND | 3 | ND | 4 | 4 | 3 | 4 | ND | ND | 14 | 2.50 |
| 27 | 4 | NR | 2 | ND | 4 | ND | 4 | 3 | ND | ND | 12 | 3.33 |
| 29 | 1 | 3 | 4 | 2 | 4 | ND | 1 | 0 | ND | ND | 13 | 2.00 |
| 30 | 4 | NR | 4 | 4 | 4 | 4 | 3 | 4 | ND | ND | 14 | 3.29 |
| 33 | 3 | ND | 4 | 2 | 0 | ND | 4 | 3 | ND | ND | 13 | 2.54 |
| 34 | 1 | NR | 3 | 3 | 3 | 3 | 0 | 3 | ND | ND | 14 | 2.71 |
| 36 | 3 | NR | 3 | ND | 2 | 4 | 4 | 4 | 0 | ND | 15 | 3.13 |
| 37 | 0 | NR | 4 | 3 | 2 | ND | 4 | 4 | ND | ND | 13 | 3.08 |
| 38 | 2 | NR | 3 | 4 | 4 | 4 | 2 | 3 | ND | NR | 16 | 2.81 |
| 40 | 3 | NR | 1 | 4 | 2 | 4 | 3 | 0 | ND | ND | 15 | 3.07 |
| 41 | 2 | 0 | 3 | 4 | 0 | 1 | 3 | 3 | 0 | NR | 17 | 2.00 |
| 42 | 4 | 3 | 4 | 0 | 4 | 4 | 2 | ND | ND | ND | 11 | 3.09 |
| 43 | 4 | NR | 0 | 4 | 2 | ND | 0 | 4 | ND | ND | 12 | 2.67 |
| 44 | ND | 0 | ND | 2 | 4 | ND | ND | ND | ND | ND | 4 | 2.25 |
| 45 | ND | ND | 4 | ND | ND | ND | 2 | ND | ND | ND | 4 | 3.25 |
| 46 | 2 | NR | 1 | ND | 3 | ND | 3 | 4 | ND | ND | 12 | 2.75 |
| 47 | 2 | ND | 2 | 0 | 3 | 4 | 0 | 3 | 4 | 3 | 16 | 2.31 |
| 48 | 4 | NR | 4 | 4 | 4 | 4 | 2 | 3 | ND | ND | 15 | 3.20 |
| 49 | 3 | ND | ND | 3 | 3 | 4 | 3 | 3 | 4 | 3 | 15 | 3.20 |
| 50 | 4 | 0 | 4 | ND | 4 | ND | 4 | 3 | ND | ND | 12 | 2.50 |
| 52 | 4 | ND | 4 | ND | 3 | 4 | 4 | 3 | 3 | 2 | 14 | 3.21 |
| 53 | 4 | NR | 3 | 4 | 2 | ND | 3 | 3 | 2 | ND | 13 | 2.92 |
| 54 | 3 | NR | 4 | 4 | 3 | 2 | 3 | 4 | 1 | 4 | 17 | 2.65 |
| 56 | 3 | 3 | 0 | 0 | 3 | ND | 4 | 3 | ND | ND | 14 | 1.64 |
| 57 | 4 | NR | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 18 | 3.61 |
| 58 | ND | 1 | 2 | 2 | 4 | ND | 4 | 4 | ND | ND | 10 | 3.00 |
| 59 | 0 | ND | 2 | 3 | 4 | ND | 3 | 2 | ND | ND | 12 | 1.92 |
| 61 | 4 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 4 | 3.00 |
| 62 | 3 | ND | 3 | ND | 0 | ND | 4 | 3 | ND | ND | 12 | 3.17 |
| 63 | 0 | ND | 1 | 0 | 4 | 0 | 0 | 2 | 0 | NR | 15 | 1.67 |
| 64 | 3 | 3 | 4 | 4 | 0 | 4 | ND | 4 | ND | ND | 12 | 2.83 |
| 65 | ND | NR | 4 | 4 | ND | ND | ND | ND | ND | ND | 3 | 3.33 |
| 68 | 4 | ND | 4 | ND | 3 | 3 | 4 | 3 | 3 | ND | 15 | 3.47 |
| 69 | ND | ND | ND | 3 | 2 | ND | ND | 0 | ND | ND | 4 | 1.75 |
| 70 | 3 | ND | 1 | ND | 3 | ND | 4 | 0 | ND | ND | 11 | 2.55 |
| 72 | 1 | ND | 4 | 4 | 4 | ND | 0 | 0 | ND | ND | 12 | 2.58 |
| 73 | 2 | 3 | 4 | 3 | 3 | 4 | ND | 3 | 4 | 3 | 15 | 3.27 |
| 74 | ND | NR | 4 | 4 | 0 | ND | ND | 4 | ND | ND | 5 | 3.20 |
| 77 | 4 | ND | ND | ND | 3 | ND | 4 | 4 | ND | ND | 11 | 2.91 |
| 79 | ND | 3 | 0 | 0 | 1 | ND | 2 | 4 | ND | ND | 9 | 2.33 |
| 80 | 4 | ND | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 3 | 17 | 3.18 |
| 81 | 0 | NR | 0 | 0 | 0 | ND | 0 | 0 | ND | ND | 13 | 1.54 |
| 82 | ND | ND | 3 | 4 | ND | 4 | ND | 3 | ND | ND | 5 | 2.80 |
| 83 | 4 | NR | 2 | 4 | 4 | 3 | 4 | 3 | ND | NR | 14 | 2.93 |
| 84 | 0 | ND | 4 | 4 | 3 | ND | 0 | 1 | ND | ND | 12 | 1.50 |
| 85 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 2 | ND | 17 | 3.53 |
| 86 | 4 | 3 | 4 | 4 | 4 | ND | 2 | 0 | ND | ND | 13 | 3.00 |
| 87 | 4 | ND | 4 | 4 | 3 | ND | 2 | 3 | ND | ND | 12 | 3.17 |
| 90 | 4 | ND | 0 | 0 | 1 | ND | 0 | 0 | ND | ND | 12 | 1.75 |
| 91 | 4 | 3 | 2 | 2 | 2 | 0 | 3 | 4 | ND | ND | 15 | 2.47 |
| 93 | 4 | NR | 2 | 2 | 2 | 0 | 4 | 3 | 4 | NR | 16 | 2.94 |
| 94 | ND | ND | ND | ND | 2 | ND | ND | 4 | ND | ND | 4 | 3.25 |
| 95 | ND | 3 | 4 | 4 | 3 | 4 | ND | 3 | ND | ND | 8 | 3.13 |
| 97 | 4 | ND | 4 | 3 | 4 | ND | 3 | 4 | ND | ND | 14 | 3.14 |
| 98 | 0 | NR | 2 | 4 | 4 | 4 | 4 | 4 | 4 | NR | 16 | 2.94 |
| 99 | 4 | 4 | 4 | 4 | 3 | 2 | 2 | 0 | ND | ND | 16 | 2.69 |
| 102 | 4 | ND | ND | ND | 0 | ND | 0 | 3 | ND | ND | 10 | 2.00 |
| 103 | 3 | ND | 4 | ND | 3 | 4 | 4 | 2 | 4 | NR | 14 | 3.21 |
| 104 | 3 | ND | 0 | 3 | 0 | 0 | 2 | 4 | 4 | 0 | 16 | 2.31 |
| 105 | 4 | ND | 2 | 0 | 3 | 4 | 4 | 4 | ND | ND | 15 | 3.00 |
| 107 | ND | ND | 4 | 4 | 2 | ND | 3 | 2 | ND | ND | 8 | 3.00 |
| 108 | 4 | NR | 4 | 0 | 4 | 4 | 2 | 4 | ND | ND | 13 | 3.31 |
| 110 | 2 | ND | ND | 0 | ND | 0 | ND | ND | 4 | 1 | 9 | 2.22 |
| 111 | 3 | ND | ND | 3 | 4 | ND | ND | 3 | ND | ND | 8 | 3.00 |
| 112 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | ND | 0 | ND | 15 | 3.13 |
| 113 | 3 | 3 | ND | 0 | 2 | ND | ND | ND | ND | ND | 8 | 2.13 |
| 118 | 4 | ND | 4 | 4 | 4 | 4 | 3 | 3 | ND | ND | 13 | 3.23 |
| 121 | 3 | NR | 4 | 3 | ND | ND | 4 | ND | ND | ND | 9 | 3.44 |
| 122 | 2 | ND | ND | ND | 3 | ND | 3 | ND | ND | ND | 8 | 1.88 |
| 123 | 4 | ND | 1 | ND | 3 | 4 | 4 | 3 | ND | ND | 14 | 2.93 |
| 124 | ND | ND | ND | ND | 3 | ND | ND | ND | ND | ND | 3 | 2.00 |
| 127 | 0 | ND | ND | 4 | ND | ND | ND | ND | 4 | NR | 6 | 1.67 |
| 142 | 2 | NR | 3 | 4 | 0 | 4 | 4 | 3 | 4 | 4 | 18 | 3.22 |

Table 4 Standard Reference Water Sample No. T95 (Trace Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | ACID@CACO3 | AG | AL | AS | B | BA | BE | CA | CD | CO |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ND | ND | 3 | NR | 4 | 4 | NR | 4 | NR | NR |
| 2 | ND | 3 | ND | 3 | 2 | ND | ND | ND | NR | ND |
| 4 | ND | NR | NR | NR | ND | NR | ND | ND | 4 | ND |
| 6 | ND | NR | NR | NR | ND | 1 | NR | 0 | NR | NR |
| 7 | ND | NR | NR | NR | ND | ND | NR | 2 | 4 | ND |
| 8 | 4 | NR | NR | NR | 0 | NR | NR | 4 | NR | NR |
| 9 | ND | 0 | 3 | NR | ND | 2 | NR | ND | NR | 1 |
| 10 | ND | NR | ND | NR | ND | ND | ND | ND | 4 | ND |
| 13 | ND | NR | 3 | NR | ND | 3 | 4 | 4 | 4 | NR |
| 15 | ND | 2 | 3 | NR | 0 | 4 | ND | 4 | 3 | NR |
| 16 | ND | 3 | ND | 3 | ND | 3 | ND | ND | 4 | ND |
| 18 | ND | ND | NR | ND | ND | NR | ND | ND | 4 | ND |
| 19 | 4 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 20 | ND | NR | NR | NR | ND | NR | NR | 3 | NR | ND |
| 22 | ND | NR | NR | NR | 4 | 3 | NR | 1 | NR | NR |
| 24 | ND | 4 | 4 | NR | ND | 0 | 4 | 4 | 4 | 4 |
| 25 | ND | 4 | 2 | NR | 4 | NR | ND | 3 | NR | 4 |
| 27 | ND | NR | ND | NR | ND | 0 | ND | 4 | NR | ND |
| 29 | ND | ND | ND | ND | ND | ND | ND | 4 | NR | ND |
| 30 | 4 | 3 | 4 | 3 | ND | 0 | ND | 3 | 3 | 3 |
| 32 | ND | 4 | ND | ND | ND | ND | ND | 4 | 0 | ND |
| 33 | ND | ND | NR | ND | NR | ND | ND | 1 | NR | ND |
| 34 | ND | NR | 4 | NR | ND | 1 | NR | ND | NR | NR |
| 36 | ND | NR | NR | 3 | ND | ND | ND | 3 | 4 | ND |
| 37 | 2 | NR | 3 | NR | ND | 0 | NR | 0 | NR | ND |
| 38 | 1 | NR | 0 | NR | 4 | 4 | NR | 3 | 3 | ND |
| 40 | ND | 3 | 4 | NR | 4 | 3 | ND | 4 | 3 | ND |
| 41 | 4 | NR | NR | 0 | 1 | NR | NR | 0 | NR | NR |
| 43 | ND | NR | ND | 2 | ND | 0 | ND | 2 | 3 | ND |
| 46 | ND | 2 | 4 | 2 | ND | 0 | ND | ND | 3 | ND |
| 47 | ND | 4 | 4 | 4 | 4 | 2 | NR | 3 | 3 | NR |
| 48 | 2 | NR | NR | NR | 4 | NR | NR | 4 | NR | NR |
| 49 | ND | 3 | 3 | 3 | 4 | ND | ND | 3 | 0 | ND |
| 50 | ND | NR | ND | ND | ND | ND | NR | 0 | NR | ND |
| 51 | ND | ND | 3 | ND | 4 | 3 | ND | 3 | 4 | ND |
| 52 | ND | ND | ND | ND | 4 | 3 | ND | 4 | ND | ND |
| 53 | ND | ND | NR | NR | ND | NR | ND | 4 | NR | ND |
| 54 | 4 | NR | 3 | NR | 3 | 3 | NR | 1 | NR | NR |
| 56 | ND | 3 | ND | 0 | ND | ND | ND | 0 | 4 | ND |
| 57 | ND | NR | 3 | NR | ND | 3 | NR | 3 | NR | NR |
| 58 | ND | NR | NR | NR | ND | 4 | NR | 4 | NR | 0 |
| 59 | ND | 2 | ND | ND | ND | ND | ND | 1 | 0 | 4 |
| 61 | ND | ND | ND | ND | ND | ND | ND | 2 | ND | ND |
| 63 | ND | 4 | 0 | 4 | 2 | 1 | NR | ND | 0 | 4 |
| 68 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 69 | ND | ND | 3 | 0 | ND | 3 | 0 | ND | 0 | 2 |
| 70 | ND | 0 | ND | 0 | ND | ND | ND | 4 | ND | ND |
| 72 | ND | ND | ND | ND | ND | ND | ND | 3 | ND | ND |
| 73 | ND | 3 | 0 | 0 | 4 | 3 | NR | 3 | 2 | NR |
| 74 | ND | 1 | ND | 4 | ND | ND | ND | ND | 4 | ND |
| 76 | ND | NR | NR | NR | ND | NR | NR | ND | NR | NR |
| 77 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 79 | ND | ND | ND | ND | ND | ND | ND | ND | 3 | ND |
| 80 | 4 | NR | ND | 4 | 4 | 3 | NR | 4 | NR | NR |
| 81 | ND | NR | ND | NR | ND | ND | ND | 3 | NR | NR |
| 83 | 4 | NR | NR | NR | NR | NR | NR | 4 | NR | NR |
| 84 | ND | NR | 4 | NR | ND | 3 | ND | 0 | NR | ND |
| 85 | ND | ND | ND | ND | 3 | ND | ND | ND | NR | 2 |
| 86 | ND | ND | ND | ND | ND | ND | ND | 4 | ND | ND |
| 90 | ND | NR | ND | NR | ND | ND | ND | ND | NR | ND |
| 93 | ND | NR | NR | NR | 0 | NR | NR | 3 | NR | NR |
| 94 | ND | 0 | ND | ND | ND | 0 | ND | 3 | 0 | ND |
| 95 | ND | ND | ND | ND | ND | ND | ND | ND | 3 | ND |
| 96 | 1 | 4 | ND | NR | ND | 3 | ND | 0 | 2 | ND |
| 98 | ND | NR | 3 | NR | 4 | 3 | NR | 2 | NR | NR |
| 102 | 3 | ND | ND | ND | ND | ND | ND | 2 | 0 | ND |
| 103 | ND | NR | NR | ND | 4 | 3 | NR | 4 | NR | NR |
| 104 | 4 | NR | 4 | 3 | ND | NR | NR | 4 | 4 | NR |
| 107 | ND | ND | ND | 2 | ND | ND | ND | ND | 3 | ND |
| 108 | ND | ND | ND | NR | 4 | ND | ND | 4 | ND | ND |
| 110 | ND | 0 | 3 | 0 | 4 | 4 | 4 | 3 | 0 | 4 |
| 111 | ND | ND | ND | ND | 4 | ND | ND | 4 | ND | ND |
| 112 | 2 | ND | 4 | NR | 4 | 4 | NR | 0 | NR | ND |
| 113 | ND | ND | ND | ND | ND | ND | ND | 3 | ND | ND |
| 118 | ND | NR | ND | NR | ND | NR | ND | ND | 3 | ND |
| 121 | ND | ND | ND | 3 | ND | ND | ND | 3 | 4 | ND |
| 122 | ND | 2 | ND | 3 | ND | ND | ND | ND | 4 | ND |
| 123 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 124 | ND | NR | ND | ND | 2 | NR | NR | 0 | NR | NR |
| 127 | ND | NR | 3 | NR | 4 | 3 | NR | 3 | NR | NR |
| 142 | ND | NR | 3 | NR | 4 | 3 | NR | 3 | NR | NR |
| 144 | ND | ND | ND | ND | ND | 3 | ND | ND | 3 | ND |

Table 4 Standard Reference Water Sample No. T95 (Trace Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | CR | TOT | CU | FE | HG | K | LI | MG | MN | MO | NA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NR | | 3 | NR | 2 | 4 | 4 | 4 | NR | ND | 4 |
| 2 | NR | | 2 | 0 | 3 | 3 | ND | 4 | 4 | ND | ND |
| 4 | NR | | 3 | NR | ND | ND | ND | ND | NR | NR | 4 |
| 6 | NR | | 4 | NR | 3 | 4 | 3 | 4 | NR | NR | 4 |
| 7 | NR | | NR | NR | 3 | 4 | ND | 4 | NR | NR | 2 |
| 8 | NR | | NR | NR | NR | 4 | 1 | 0 | NR | NR | 2 |
| 9 | 4 | | 4 | NR | 2 | ND | ND | ND | NR | ND | ND |
| 10 | 3 | | ND | ND | 0 | ND | ND | ND | ND | ND | ND |
| 13 | NR | | 3 | NR | ND | 0 | 1 | 4 | NR | 4 | 0 |
| 15 | 2 | | 3 | 0 | 4 | 3 | 2 | 2 | ND | 3 | 3 |
| 16 | 4 | | 4 | 2 | 3 | ND | ND | ND | 3 | ND | ND |
| 18 | 2 | | 0 | 2 | ND | ND | ND | ND | 3 | ND | 4 |
| 19 | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 20 | NR | | NR | NR | NR | 2 | ND | 0 | NR | ND | 4 |
| 22 | 0 | | 4 | NR | 2 | 4 | NR | 2 | NR | NR | 4 |
| 24 | 3 | | 2 | 2 | 4 | 4 | ND | 2 | 4 | 3 | 4 |
| 25 | NR | | 2 | NR | ND | 4 | ND | 4 | NR | 0 | 3 |
| 27 | NR | | ND | NR | 4 | 4 | ND | 4 | NR | ND | ND |
| 29 | NR | | 3 | NR | ND | 0 | ND | 0 | NR | ND | 4 |
| 30 | 4 | | 0 | 4 | 4 | 0 | ND | 4 | 3 | ND | 4 |
| 32 | 0 | | 2 | 0 | ND | 4 | ND | 0 | 4 | ND | 3 |
| 33 | NR | | 4 | NR | 4 | 3 | ND | 4 | NR | ND | 0 |
| 34 | NR | | 2 | 4 | 3 | ND | ND | ND | NR | NR | ND |
| 36 | ND | | 4 | 2 | ND | 4 | 3 | 4 | 4 | ND | 4 |
| 37 | 4 | | 3 | 4 | 0 | 4 | ND | 0 | NR | ND | 1 |
| 38 | 2 | | NR | NR | 4 | 1 | ND | 2 | NR | NR | 3 |
| 40 | 2 | | 1 | 3 | 4 | 3 | ND | 3 | 3 | ND | 4 |
| 41 | NR | | NR | NR | 4 | 4 | 4 | 4 | NR | NR | 3 |
| 43 | 3 | | 3 | NR | 2 | 4 | ND | 4 | 3 | ND | 4 |
| 46 | NR | | ND | 4 | 0 | ND | ND | ND | 4 | NR | ND |
| 47 | 3 | | 4 | 2 | ND | 4 | 4 | 0 | 3 | 3 | 0 |
| 48 | 3 | | NR | NR | 4 | 2 | ND | 3 | NR | ND | 4 |
| 49 | 3 | | 4 | 1 | 0 | 4 | 3 | 3 | 3 | ND | 3 |
| 50 | ND | | ND | NR | NR | 3 | 0 | 3 | NR | ND | 3 |
| 51 | ND | | 4 | 3 | ND | ND | 4 | 2 | 3 | ND | 4 |
| 52 | ND | | 3 | ND | ND | 2 | 3 | 4 | ND | ND | 4 |
| 53 | NR | | 3 | NR | ND | 4 | ND | 0 | NR | ND | 4 |
| 54 | 2 | | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 |
| 56 | 2 | | 4 | 1 | 0 | 0 | ND | 0 | NR | ND | 4 |
| 57 | NR | | NR | 3 | 0 | 4 | 3 | 4 | 3 | NR | 4 |
| 58 | 3 | | NR | 0 | 2 | 4 | ND | 4 | NR | ND | 3 |
| 59 | 1 | | 4 | 4 | ND | 4 | 4 | 0 | 3 | ND | 2 |
| 61 | ND | | ND | ND | ND | 3 | ND | 1 | ND | ND | 0 |
| 63 | 4 | | 3 | 4 | 0 | 0 | 4 | 0 | 4 | NR | 0 |
| 68 | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 69 | 2 | | 2 | 3 | 0 | ND | ND | 3 | 0 | ND | 0 |
| 70 | ND | | 1 | ND | ND | ND | ND | 4 | ND | ND | 4 |
| 72 | ND | | ND | ND | ND | 3 | ND | 4 | ND | ND | 4 |
| 73 | 1 | | 3 | 4 | ND | 3 | 4 | 4 | 3 | 4 | 3 |
| 74 | ND | | 4 | ND | 0 | ND | ND | ND | ND | ND | ND |
| 76 | NR | | 1 | NR | 4 | ND | ND | ND | ND | NR | ND |
| 77 | ND | | ND | NR | ND | ND | ND | ND | 3 | ND | ND |
| 79 | 0 | | 4 | ND | ND | ND | ND | ND | 3 | ND | ND |
| 80 | NR | | 3 | NR | 4 | 2 | ND | 4 | NR | ND | 4 |
| 81 | NR | | 3 | 4 | NR | 0 | ND | 3 | NR | ND | 2 |
| 83 | NR | | NR | NR | 4 | 3 | NR | 2 | NR | NR | 4 |
| 84 | NR | | 4 | 4 | 4 | 3 | ND | 3 | NR | ND | 0 |
| 85 | NR | | 3 | NR | ND | ND | ND | ND | NR | ND | ND |
| 86 | ND | | ND | NR | ND | 2 | ND | 4 | NR | ND | 0 |
| 90 | ND | | 4 | NR | 2 | ND | ND | ND | NR | ND | ND |
| 93 | NR | | 1 | 2 | ND | 4 | ND | 3 | NR | NR | 4 |
| 94 | NR | | NR | NR | ND | ND | ND | ND | 0 | ND | 0 |
| 95 | 2 | | 3 | ND | 3 | ND | ND | ND | ND | ND | ND |
| 96 | 3 | | ND | 4 | NR | 1 | ND | 0 | ND | ND | 4 |
| 98 | NR | | 3 | 4 | 4 | 4 | ND | 2 | NR | NR | 2 |
| 102 | ND | | 2 | ND | ND | 0 | ND | 2 | ND | ND | 3 |
| 103 | NR | | NR | NR | ND | 4 | 1 | 4 | NR | NR | 4 |
| 104 | 4 | | 2 | NR | 0 | 4 | ND | 4 | NR | NR | 4 |
| 107 | 3 | | 4 | ND | ND | ND | ND | ND | ND | ND | ND |
| 108 | NR | | 3 | NR | ND | 3 | ND | 4 | NR | 2 | 4 |
| 110 | 0 | | 0 | 2 | ND | 4 | 4 | 4 | 4 | 2 | 2 |
| 111 | ND | | ND | ND | ND | 0 | ND | 4 | ND | ND | 4 |
| 112 | 2 | | 4 | 2 | 4 | 4 | ND | 4 | 3 | ND | 4 |
| 113 | 2 | | 3 | 0 | ND | 3 | ND | 4 | 3 | ND | ND |
| 118 | NR | | 3 | NR | 3 | ND | ND | 4 | NR | ND | 4 |
| 121 | 3 | | 3 | 2 | 4 | 4 | ND | 4 | 3 | ND | 4 |
| 122 | 4 | | 3 | 0 | 3 | ND | ND | ND | 1 | ND | ND |
| 123 | ND | | ND | 4 | ND | ND | ND | ND | 4 | ND | ND |
| 124 | NR | | NR | NR | ND | ND | ND | 0 | NR | ND | ND |
| 127 | 4 | | 4 | 1 | NR | ND | NR | 0 | NR | 4 | 0 |
| 142 | NR | | 4 | 1 | 2 | 3 | NR | 3 | NR | 3 | 4 |
| 144 | ND | | 4 | ND | ND | ND | ND | ND | ND | ND | ND |

Table 4 Standard Reference Water Sample No. T95 (Trace Constituents)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | NI | PB | SB | SE | SIO2 | SR | TL | V | ZN | N | Avg. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NR | NR | NR | 3 | ND | 4 | ND | ND | 4 | 13 | 3.62 |
| 2 | NR | 4 | ND | ND | ND | ND | ND | ND | 1 | 11 | 2.64 |
| 4 | ND | NR | ND | ND | ND | ND | ND | ND | NR | 3 | 3.67 |
| 6 | NR | NR | ND | NR | ND | 4 | NR | NR | 4 | 10 | 3.50 |
| 7 | NR | NR | NR | 4 | ND | ND | NR | ND | NR | 7 | 3.29 |
| 8 | NR | 4 | 4 | 0 | 3 | 4 | NR | NR | NR | 12 | 2.50 |
| 9 | 0 | NR | ND | 4 | ND | ND | ND | ND | 3 | 10 | 2.30 |
| 10 | 3 | 3 | ND | ND | ND | ND | ND | ND | ND | 5 | 2.60 |
| 13 | NR | NR | NR | 3 | 4 | 4 | ND | 4 | 4 | 16 | 3.06 |
| 15 | 3 | NR | ND | 4 | 4 | 0 | NR | NR | ND | 19 | 2.58 |
| 16 | ND | 3 | ND | 4 | ND | ND | ND | ND | 1 | 12 | 3.08 |
| 18 | ND | 4 | ND | NR | ND | ND | ND | ND | NR | 7 | 2.71 |
| 19 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 | 4.00 |
| 20 | NR | NR | ND | ND | 4 | ND | ND | ND | NR | 5 | 2.60 |
| 22 | NR | NR | NR | NR | 1 | 1 | NR | 2 | NR | 12 | 2.33 |
| 24 | 4 | 4 | ND | NR | ND | 2 | ND | 3 | 1 | 21 | 3.14 |
| 25 | 2 | NR | ND | 4 | 4 | ND | ND | ND | NR | 13 | 3.08 |
| 27 | ND | NR | ND | 4 | ND | ND | ND | ND | ND | 6 | 3.33 |
| 29 | NR | NR | ND | ND | ND | ND | ND | ND | 4 | 6 | 2.50 |
| 30 | 4 | 3 | ND | 1 | 4 | ND | ND | ND | 3 | 21 | 2.90 |
| 32 | 3 | 0 | ND | ND | 0 | ND | ND | ND | 0 | 14 | 1.71 |
| 33 | NR | NR | ND | ND | ND | ND | ND | ND | NR | 6 | 2.67 |
| 34 | 4 | 3 | ND | 4 | ND | 3 | ND | NR | 3 | 10 | 3.10 |
| 36 | ND | ND | ND | NR | 0 | 1 | ND | ND | 4 | 13 | 3.08 |
| 37 | 3 | NR | ND | 2 | ND | ND | ND | ND | 3 | 14 | 2.07 |
| 38 | 4 | 3 | 3 | 4 | 3 | ND | NR | NR | 2 | 17 | 2.71 |
| 40 | 4 | 3 | ND | 3 | 3 | ND | ND | ND | 4 | 19 | 3.21 |
| 41 | NR | 4 | NR | 4 | 2 | 0 | NR | NR | 4 | 14 | 2.71 |
| 43 | 3 | 3 | NR | 4 | ND | ND | NR | ND | 2 | 15 | 2.80 |
| 46 | ND | NR | ND | 2 | ND | ND | ND | ND | ND | 9 | 2.33 |
| 47 | 2 | 3 | 0 | 4 | 4 | 4 | NR | 3 | 0 | 24 | 2.79 |
| 48 | NR | NR | NR | 2 | ND | ND | NR | NR | 4 | 10 | 3.20 |
| 49 | 4 | ND | ND | 4 | 4 | 4 | ND | 3 | 4 | 21 | 3.00 |
| 50 | ND | NR | ND | 3 | ND | ND | ND | ND | ND | 6 | 2.00 |
| 51 | ND | 4 | ND | ND | ND | 4 | ND | ND | 3 | 14 | 3.43 |
| 52 | ND | ND | ND | 0 | 4 | 4 | ND | ND | 3 | 12 | 3.17 |
| 53 | NR | ND | ND | 3 | ND | 4 | ND | ND | 4 | 8 | 3.25 |
| 54 | 3 | 4 | NR | 4 | 3 | 2 | NR | 3 | 4 | 22 | 3.23 |
| 56 | ND | 0 | ND | 3 | ND | ND | ND | ND | 4 | 14 | 1.79 |
| 57 | 3 | NR | NR | 2 | 4 | 4 | NR | NR | 0 | 15 | 2.87 |
| 58 | 1 | NR | NR | 3 | ND | ND | ND | ND | 3 | 12 | 2.58 |
| 59 | 4 | 3 | ND | ND | ND | ND | ND | ND | 4 | 15 | 2.67 |
| 61 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 4 | 1.50 |
| 63 | 4 | NR | 2 | 4 | ND | 0 | NR | NR | 4 | 21 | 2.29 |
| 68 | ND | ND | ND | 3 | ND | ND | ND | ND | ND | 1 | 3.00 |
| 69 | 4 | 1 | 3 | 3 | ND | ND | ND | 3 | 3 | 19 | 1.84 |
| 70 | 0 | ND | ND | 0 | ND | ND | ND | ND | 2 | 9 | 1.67 |
| 72 | ND | ND | ND | ND | ND | ND | ND | ND | 4 | 5 | 3.60 |
| 73 | 4 | 0 | 3 | 4 | 0 | 4 | ND | 3 | 3 | 24 | 2.71 |
| 74 | ND | 1 | ND | 2 | ND | ND | ND | ND | 4 | 8 | 2.50 |
| 76 | NR | 4 | NR | 3 | ND | ND | NR | ND | NR | 4 | 3.00 |
| 77 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1 | 3.00 |
| 79 | 3 | 4 | ND | ND | ND | ND | ND | ND | ND | 6 | 2.83 |
| 80 | NR | NR | ND | 3 | ND | 4 | ND | NR | 4 | 13 | 3.62 |
| 81 | 0 | NR | ND | 4 | ND | ND | ND | ND | 0 | 9 | 2.11 |
| 83 | NR | NR | NR | NR | 4 | ND | NR | NR | 4 | 8 | 3.63 |
| 84 | 3 | NR | ND | 4 | ND | ND | ND | ND | 4 | 12 | 3.00 |
| 85 | 3 | 3 | ND | ND | ND | ND | ND | ND | 4 | 6 | 3.00 |
| 86 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 4 | 2.50 |
| 90 | 4 | ND | ND | NR | ND | ND | ND | ND | 2 | 4 | 3.00 |
| 93 | NR | NR | ND | 1 | 1 | 4 | NR | NR | 4 | 11 | 2.45 |
| 94 | 0 | NR | ND | ND | ND | ND | ND | ND | 2 | 8 | 0.63 |
| 95 | ND | ND | ND | ND | 4 | ND | ND | ND | 4 | 6 | 3.17 |
| 96 | 3 | 1 | ND | 0 | ND | ND | ND | ND | ND | 13 | 2.00 |
| 98 | NR | NR | NR | 2 | 4 | 4 | NR | NR | 4 | 14 | 3.21 |
| 102 | ND | ND | ND | ND | ND | ND | ND | ND | 0 | 8 | 1.50 |
| 103 | NR | NR | ND | ND | 3 | 3 | ND | NR | 4 | 10 | 3.40 |
| 104 | 3 | 4 | NR | 4 | 0 | 2 | NR | 0 | 2 | 18 | 2.89 |
| 107 | ND | NR | ND | ND | ND | ND | ND | ND | 0 | 5 | 2.40 |
| 108 | NR | ND | ND | 3 | ND | ND | ND | ND | NR | 8 | 3.38 |
| 110 | 2 | 0 | 0 | 0 | 1 | 2 | ND | 4 | 0 | 26 | 2.04 |
| 111 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 5 | 3.20 |
| 112 | 3 | NR | NR | 1 | 4 | 4 | NR | ND | 2 | 18 | 3.06 |
| 113 | 2 | ND | ND | ND | ND | ND | ND | ND | 2 | 9 | 2.44 |
| 118 | NR | NR | ND | ND | ND | ND | ND | ND | 4 | 6 | 3.50 |
| 121 | 4 | 4 | ND | 4 | ND | ND | ND | ND | 4 | 15 | 3.53 |
| 122 | 3 | ND | ND | 3 | ND | ND | ND | ND | 0 | 11 | 2.36 |
| 123 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 2 | 4.00 |
| 124 | NR | NR | ND | ND | ND | ND | ND | ND | 4 | 4 | 1.50 |
| 127 | 4 | 3 | NR | 0 | ND | 4 | NR | NR | 4 | 15 | 2.73 |
| 142 | NR | NR | NR | 4 | 4 | 4 | NR | NR | 4 | 15 | 3.27 |
| 144 | 4 | 3 | ND | ND | ND | 4 | NR | ND | ND | 6 | 3.50 |

Table 5 Standard Reference Water Sample No. N16 (Nutrients)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | NH3-N | NO2-N | NO3-N | ORG-N | P, TOTAL | PO4-P | N | Avg. |
|---|---|---|---|---|---|---|---|---|
| 2 | 4 | 4 | 2 | 4 | 4 | 4 | 6 | 3.67 |
| 3 | ND | ND | ND | ND | 4 | NR | 1 | 4.00 |
| 6 | 4 | 4 | 3 | 4 | 3 | 4 | 6 | 3.67 |
| 7 | 1 | 3 | 4 | 2 | 4 | 4 | 6 | 3.00 |
| 8 | 4 | 4 | 3 | 4 | 4 | 3 | 6 | 3.67 |
| 10 | 0 | ND | 4 | ND | ND | 4 | 3 | 2.67 |
| 12 | 1 | 4 | 4 | ND | 4 | 4 | 5 | 3.40 |
| 13 | 3 | 1 | 4 | 4 | 3 | 3 | 6 | 3.00 |
| 14 | 2 | 1 | 0 | ND | ND | 0 | 4 | 0.75 |
| 15 | ND | 2 | ND | ND | 4 | 4 | 3 | 3.33 |
| 20 | 4 | 4 | 0 | 3 | ND | 4 | 5 | 3.00 |
| 22 | 3 | 0 | 3 | ND | 2 | 0 | 5 | 1.60 |
| 23 | 3 | 4 | 3 | ND | 2 | 4 | 5 | 3.20 |
| 24 | ND | 0 | 4 | ND | ND | 4 | 3 | 2.67 |
| 25 | 4 | ND | 1 | ND | ND | 1 | 3 | 2.00 |
| 27 | 2 | 2 | 4 | ND | ND | 1 | 4 | 2.25 |
| 29 | 4 | 0 | 1 | 3 | 1 | 0 | 6 | 1.50 |
| 30 | 4 | 3 | 3 | 2 | 3 | 4 | 6 | 3.17 |
| 32 | 3 | ND | 2 | ND | ND | ND | 2 | 2.50 |
| 33 | 0 | ND | 1 | ND | 0 | ND | 3 | 0.33 |
| 34 | 3 | 1 | 3 | 3 | 3 | 2 | 6 | 2.50 |
| 35 | 4 | 4 | 2 | 4 | 4 | 4 | 6 | 3.67 |
| 36 | 4 | 0 | 3 | ND | ND | 4 | 4 | 2.75 |
| 37 | 3 | 3 | 3 | 3 | 3 | 4 | 6 | 3.17 |
| 38 | 4 | 4 | 4 | 3 | 4 | 2 | 6 | 3.50 |
| 40 | 4 | 1 | 4 | 3 | 4 | 4 | 6 | 3.33 |
| 41 | 3 | 0 | 0 | ND | 3 | 4 | 5 | 2.00 |
| 43 | 4 | 4 | 4 | 3 | 3 | 4 | 6 | 3.67 |
| 44 | 4 | 0 | ND | ND | 0 | ND | 3 | 1.33 |
| 45 | ND | ND | 4 | ND | ND | ND | 1 | 4.00 |
| 46 | ND | 2 | 2 | ND | ND | 0 | 3 | 1.33 |
| 47 | ND | ND | 4 | ND | 2 | 1 | 3 | 2.33 |
| 48 | 4 | 4 | 4 | 2 | 4 | 1 | 6 | 3.17 |
| 49 | ND | ND | 3 | ND | 4 | 3 | 3 | 3.33 |
| 53 | 4 | 4 | 2 | 0 | 3 | ND | 5 | 2.60 |
| 55 | 1 | 0 | 0 | 3 | 0 | 0 | 6 | 0.67 |
| 56 | 1 | 0 | 4 | ND | 0 | 0 | 5 | 1.00 |
| 57 | 4 | 4 | 3 | 4 | 3 | 3 | 6 | 3.50 |
| 58 | 4 | 4 | 2 | 3 | 4 | 3 | 6 | 3.33 |
| 59 | ND | 4 | 3 | ND | 4 | 3 | 4 | 3.50 |
| 65 | 3 | 4 | 3 | 0 | 4 | 4 | 6 | 3.00 |
| 69 | 4 | ND | ND | ND | 0 | 0 | 3 | 1.33 |
| 72 | 4 | 2 | 4 | ND | 4 | ND | 4 | 3.50 |
| 73 | 3 | ND | ND | 3 | 4 | ND | 3 | 3.33 |
| 74 | 0 | 4 | 2 | 2 | 3 | 3 | 6 | 2.33 |
| 76 | 3 | 3 | 4 | 2 | 4 | 4 | 6 | 3.33 |
| 79 | 0 | 0 | 0 | 1 | 4 | 4 | 6 | 1.50 |
| 81 | 4 | 0 | 4 | ND | 3 | 0 | 5 | 2.20 |
| 82 | 4 | ND | 2 | 4 | 4 | 4 | 5 | 3.60 |
| 83 | 4 | 4 | 4 | 0 | 4 | 3 | 6 | 3.17 |
| 84 | ND | ND | 1 | ND | 3 | 4 | 3 | 2.67 |
| 85 | 4 | 4 | 4 | 4 | 4 | 4 | 6 | 4.00 |
| 86 | 3 | 4 | 0 | 4 | 3 | 2 | 6 | 2.67 |
| 91 | 4 | 4 | 2 | 4 | 4 | 3 | 6 | 3.50 |
| 93 | 2 | 4 | 0 | ND | 3 | 4 | 5 | 2.60 |
| 94 | 4 | ND | ND | ND | ND | ND | 1 | 4.00 |
| 95 | 4 | 1 | 2 | 4 | 4 | 4 | 6 | 3.17 |
| 96 | 4 | ND | 2 | ND | 4 | ND | 3 | 3.33 |
| 99 | 1 | 2 | 4 | 4 | 2 | 3 | 6 | 2.67 |
| 104 | 0 | ND | 3 | ND | 3 | 4 | 4 | 2.50 |
| 108 | 0 | 2 | 4 | ND | 0 | 0 | 5 | 1.20 |
| 109 | 3 | 4 | ND | ND | 0 | 0 | 4 | 1.75 |
| 113 | 3 | 3 | ND | ND | 0 | 2 | 4 | 2.00 |
| 121 | 4 | 4 | 3 | 4 | 4 | ND | 5 | 3.80 |
| 124 | 0 | ND | ND | ND | ND | ND | 1 | 0.00 |
| 126 | ND | ND | 4 | ND | 1 | ND | 2 | 2.50 |
| 128 | 3 | 4 | 3 | 3 | 3 | 2 | 6 | 3.00 |
| 142 | 4 | 4 | 3 | 3 | 3 | 2 | 6 | 3.17 |

Table 6 Standard Reference Water Sample No. P8 (Precipitation Snowmelt)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | ACID@CACO3 | AG | CA | CD | CL | CO | CR TOT | CU | F | FE |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NR | NR | 0 | NR | NR | ND | ND | NR | 1 | NR |
| 2 | 3 | NR | 4 | 3 | 0 | ND | NR | NR | 3 | 4 |
| 6 | ND | NR | 2 | NR | 4 | NR | NR | NR | NR | NR |
| 8 | NR | NR | 3 | NR | ND | NR | NR | NR | 4 | NR |
| 10 | ND | NR | ND | NR | ND | ND | NR | ND | ND | ND |
| 13 | 4 | NR | 4 | NR | NR | ND | NR | NR | NR | NR |
| 15 | ND | NR | NR | 3 | NR | NR | NR | 3 | NR | NR |
| 19 | 1 | ND | 3 | ND | 3 | ND | ND | ND | ND | ND |
| 22 | ND | NR | 0 | NR | 4 | NR | NR | NR | NR | NR |
| 26 | ND | ND | 4 | ND | 3 | ND | ND | ND | ND | ND |
| 30 | 3 | 3 | 3 | 3 | NR | NR | 4 | 4 | 3 | NR |
| 33 | ND | ND | 1 | ND | ND | ND | ND | ND | ND | ND |
| 37 | 3 | NR | 2 | NR | 0 | ND | 4 | NR | NR | NR |
| 38 | 3 | ND | 2 | 3 | NR | ND | NR | NR | 3 | NR |
| 40 | ND | NR | 4 | NR | NR | ND | 3 | NR | 3 | NR |
| 41 | 0 | NR | NR | NR | 0 | NR | NR | NR | 3 | NR |
| 43 | ND | NR | 4 | NR | 4 | ND | 2 | 4 | ND | NR |
| 44 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 47 | ND | 4 | 4 | 3 | 3 | NR | NR | 3 | 3 | 3 |
| 49 | ND | 2 | 4 | 4 | 2 | ND | 2 | 1 | 4 | 3 |
| 50 | ND | NR | NR | 0 | ND | ND | ND | ND | NR | NR |
| 51 | ND | ND | 4 | 3 | 4 | ND | ND | 3 | 3 | NR |
| 53 | 4 | NR | NR | NR | NR | ND | NR | 3 | ND | NR |
| 57 | NR | NR | 3 | NR | 4 | NR | 2 | 3 | 1 | NR |
| 64 | 3 | ND | 4 | ND | ND | ND | ND | ND | ND | ND |
| 67 | ND | ND | 1 | ND | 4 | ND | ND | ND | ND | 3 |
| 71 | ND | ND | 2 | ND | 4 | ND | ND | ND | ND | ND |
| 72 | ND | ND | 4 | ND | ND | ND | ND | ND | ND | ND |
| 82 | ND | ND | ND | ND | 1 | ND | ND | ND | ND | ND |
| 83 | 3 | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 86 | ND | ND | 1 | ND | NR | ND | ND | ND | NR | ND |
| 102 | 2 | ND | 4 | 4 | 2 | ND | ND | 0 | ND | ND |
| 104 | 3 | NR | 4 | NR | NR | NR | NR | NR | 2 | NR |
| 109 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| 110 | ND | 0 | 0 | 0 | ND | ND | 0 | 0 | ND | 4 |
| 111 | ND | ND | 3 | ND | ND | ND | ND | ND | ND | ND |
| 112 | 2 | ND | 1 | NR | NR | ND | NR | NR | NR | NR |
| 113 | ND | ND | 0 | ND | ND | ND | ND | 1 | ND | 1 |
| 118 | ND | ND | ND | ND | 3 | ND | ND | NR | ND | NR |
| 119 | ND | ND | ND | ND | 4 | ND | ND | ND | ND | ND |
| 124 | ND | NR | NR | NR | 0 | NR | NR | NR | ND | NR |
| 125 | ND | ND | 2 | ND | 3 | ND | ND | ND | ND | ND |
| 142 | ND | NR | 1 | 3 | 3 | NR | NR | 1 | 3 | 2 |
| 144 | ND | ND | ND | 3 | ND | ND | ND | 4 | ND | ND |

Table 6 Standard Reference Water Sample No. P8 (Precipitation Snowmelt)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | K | MG | MN | NA | NH3-N | NO3-N | NO3-N | PB | PH | SO4 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NR | NR | NR | 4 | NR | NR | NR | 4 | NR | 1 |
| 2 | ND | NR | 4 | 4 | ND | ND | 2 | 4 | NR | 3 |
| 6 | 3 | 2 | NR | 1 | 3 | 3 | NR | 4 | 3 | 4 |
| 8 | 4 | 3 | NR | 4 | 4 | 4 | 0 | 4 | NR | 4 |
| 10 | 1 | ND | NR | 3 | NR | ND | NR | 3 | ND | 2 |
| 13 | 2 | 4 | NR | 0 | 2 | ND | NR | 4 | NR | 2 |
| 15 | NR | NR | ND | NR | NR | ND | NR | 3 | NR | 0 |
| 19 | 2 | 4 | ND | 3 | ND | ND | ND | ND | 4 | ND |
| 22 | NR | NR | NR | 0 | NR | 4 | NR | 1 | 4 | 4 |
| 26 | 4 | 4 | ND | 3 | 3 | 4 | ND | 4 | 3 | 4 |
| 30 | 3 | 3 | 3 | 3 | 3 | ND | 2 | 4 | NR | 3 |
| 33 | ND | ND | ND | ND | ND | ND | ND | 0 | 0 | 0 |
| 37 | 2 | 0 | 1 | 4 | NR | ND | NR | 4 | 0 | 4 |
| 38 | NR | 2 | NR | NR | 3 | ND | NR | 4 | 3 | 2 |
| 40 | 2 | 4 | 3 | 3 | NR | ND | 0 | 4 | NR | 4 |
| 41 | 1 | 2 | NR | 4 | 3 | ND | NR | 2 | 0 | 1 |
| 43 | 3 | 4 | 3 | 2 | NR | ND | NR | 4 | NR | NR |
| 44 | ND | ND | ND | ND | 0 | ND | ND | 0 | ND | ND |
| 47 | 4 | 3 | 4 | 4 | ND | ND | 3 | 1 | 0 | 0 |
| 49 | ND | 4 | 3 | ND | ND | 0 | ND | ND | 4 | ND |
| 50 | NR | NR | NR | NR | 4 | ND | NR | 2 | NR | 3 |
| 51 | ND | 3 | 4 | 3 | ND | 0 | 3 | ND | 3 | ND |
| 53 | NR | NR | NR | NR | ND | ND | NR | 3 | 0 | 0 |
| 57 | 2 | 3 | 3 | 4 | 1 | 0 | NR | 1 | 3 | 3 |
| 64 | NR | 4 | ND | 2 | 3 | 3 | ND | 4 | ND | 3 |
| 67 | 4 | 3 | 1 | 4 | 4 | 3 | ND | 4 | 3 | 4 |
| 71 | 4 | 2 | ND | 4 | 2 | 4 | ND | 4 | 4 | 3 |
| 72 | 4 | 3 | ND | 3 | 3 | ND | ND | ND | ND | 2 |
| 82 | ND | ND | ND | ND | 4 | ND | ND | ND | ND | 4 |
| 83 | NR | NR | NR | NR | NR | ND | NR | 4 | 0 | 3 |
| 86 | ND | ND | NR | ND | 0 | ND | ND | 4 | 4 | 4 |
| 102 | 0 | 3 | ND | 0 | ND | ND | ND | 1 | ND | 4 |
| 104 | 2 | 4 | NR | 4 | 3 | ND | NR | 3 | 1 | 4 |
| 109 | ND | ND | ND | ND | NR | ND | ND | ND | ND | 2 |
| 110 | 0 | 0 | 2 | 0 | ND | ND | 0 | ND | ND | ND |
| 111 | ND | 0 | ND | ND | ND | ND | ND | 0 | ND | 2 |
| 112 | 3 | 1 | NR | 4 | NR | ND | NR | 4 | NR | ND |
| 113 | 2 | 1 | 0 | ND | ND | ND | ND | 4 | 1 | ND |
| 118 | ND | ND | NR | NR | ND | 3 | ND | 4 | 4 | 3 |
| 119 | ND | ND | ND | ND | ND | 1 | ND | ND | 3 | ND |
| 124 | ND | NR | NR | ND | ND | ND | NR | ND | ND | ND |
| 125 | 4 | 4 | ND | 4 | ND | ND | ND | ND | 3 | ND |
| 142 | NR | 3 | 4 | 0 | NR | ND | NR | 1 | 3 | 3 |
| 144 | ND | ND | ND | ND | ND | ND | 3 | ND | ND | ND |

Table 6 Standard Reference Water Sample No. P8 (Precipitation Snowmelt)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | SP. COND. | TL | N | Avg. |
|---|---|---|---|---|
| 1 | ND | NR | 5 | 2.00 |
| 2 | ND | 3 | 12 | 3.08 |
| 6 | NR | 3 | 11 | 2.91 |
| 8 | NR | NR | 10 | 3.40 |
| 10 | ND | ND | 4 | 2.25 |
| 13 | NR | 3 | 9 | 2.78 |
| 15 | NR | ND | 4 | 2.25 |
| 19 | ND | ND | 7 | 2.86 |
| 22 | NR | NR | 7 | 2.43 |
| 26 | ND | ND | 10 | 3.60 |
| 30 | ND | 3 | 16 | 3.13 |
| 33 | ND | ND | 4 | 0.25 |
| 37 | ND | 3 | 12 | 2.25 |
| 38 | NR | NR | 9 | 2.78 |
| 40 | ND | 4 | 11 | 3.09 |
| 41 | NR | NR | 10 | 1.60 |
| 43 | NR | 3 | 10 | 3.30 |
| 44 | ND | ND | 2 | 0.00 |
| 47 | ND | 0 | 16 | 2.63 |
| 49 | ND | 3 | 13 | 2.77 |
| 50 | ND | ND | 4 | 2.25 |
| 51 | ND | 4 | 12 | 3.08 |
| 53 | ND | NR | 5 | 2.00 |
| 57 | NR | 2 | 15 | 2.33 |
| 64 | ND | ND | 8 | 3.25 |
| 67 | ND | 3 | 13 | 3.15 |
| 71 | ND | ND | 10 | 3.30 |
| 72 | ND | ND | 6 | 3.17 |
| 82 | ND | ND | 3 | 3.00 |
| 83 | NR | 0 | 5 | 2.00 |
| 86 | ND | ND | 5 | 2.60 |
| 102 | ND | 3 | 11 | 2.09 |
| 104 | NR | 3 | 11 | 3.00 |
| 109 | ND | ND | 1 | 2.00 |
| 110 | ND | 4 | 12 | 0.83 |
| 111 | ND | ND | 4 | 1.25 |
| 112 | NR | NR | 6 | 2.50 |
| 113 | ND | 2 | 9 | 1.33 |
| 118 | ND | NR | 5 | 3.40 |
| 119 | ND | ND | 3 | 2.67 |
| 124 | ND | NR | 1 | 0.00 |
| 125 | ND | ND | 6 | 3.33 |
| 142 | NR | 4 | 13 | 2.38 |
| 144 | ND | ND | 3 | 3.33 |

Table 7 Standard Reference Water Sample No. SED3 (Bed Material)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | AL | B | BA | BE | C, INORG | C, TOTAL | CA | CD | CO | CR TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 3 | ND | 4 | NR | ND | ND | 4 | NR | 4 | 4 |
| 13 | 4 | ND | 3 | 4 | ND | ND | 4 | NR | NR | 2 |
| 20 | 1 | ND | 4 | 3 | ND | ND | NR | ND | ND | 3 |
| 22 | 4 | NR | 3 | NR | ND | ND | 4 | NR | 3 | 0 |
| 30 | 1 | ND | 1 | ND | ND | ND | 4 | 3 | 1 | 2 |
| 33 | ND | ND | ND | ND | ND | ND | ND | 2 | ND | 2 |
| 37 | 1 | ND | 2 | 3 | ND | ND | 3 | NR | ND | 3 |
| 38 | 4 | 2 | 0 | NR | ND | ND | 1 | NR | ND | 4 |
| 40 | 4 | ND | 3 | ND | ND | ND | 4 | NR | ND | 1 |
| 41 | 0 | ND | 0 | 0 | ND | ND | 0 | 4 | 0 | 1 |
| 43 | 3 | ND | 0 | 3 | ND | ND | 4 | 4 | ND | 3 |
| 50 | ND | ND | ND | 0 | ND | ND | 0 | NR | ND | ND |
| 59 | ND | ND | ND | ND | ND | ND | 1 | 3 | 3 | 3 |
| 80 | 4 | ND | 4 | 4 | ND | ND | 4 | 3 | ND | 4 |
| 84 | 3 | ND | 2 | ND | ND | ND | 4 | NR | ND | 4 |
| 104 | 2 | ND | 0 | NR | ND | ND | 2 | NR | 1 | 4 |
| 112 | 4 | 2 | 3 | 2 | ND | ND | 2 | NR | 3 | 4 |
| 127 | ND | NR | 3 | 4 | ND | ND | 4 | NR | 3 | 4 |
| 135 | 4 | 4 | 3 | 2 | ND | ND | 4 | 1 | 4 | 4 |
| 142 | 2 | ND | 4 | 4 | ND | ND | 4 | 2 | 4 | 3 |
| 144 | 4 | 4 | 4 | 4 | ND | ND | 4 | 4 | 0 | 4 |

Table 7 Standard Reference Water Sample No. SED3 (Bed Material)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | CU | FE | HG | K | LI | MG | MN | MO | NA | NI |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | NR | 4 | NR | 3 | 3 | 4 | 4 | NR | 4 | 3 |
| 13 | 2 | 3 | NR | 3 | 3 | 4 | 3 | NR | 4 | 3 |
| 20 | 4 | 1 | NR | 4 | ND | 4 | ND | ND | 3 | 4 |
| 22 | 4 | 4 | NR | 4 | 3 | 4 | 3 | NR | 2 | 3 |
| 30 | 4 | 3 | 3 | 2 | ND | 3 | 2 | ND | 4 | 2 |
| 33 | 3 | 3 | 0 | 2 | ND | 0 | 0 | ND | 4 | 4 |
| 37 | 2 | 3 | 3 | 3 | ND | 3 | 0 | ND | 1 | 2 |
| 38 | 1 | 2 | NR | ND | ND | 0 | 2 | NR | ND | 3 |
| 40 | 2 | 3 | 3 | 4 | ND | 4 | 4 | ND | 1 | 4 |
| 41 | 1 | 0 | ND | 0 | 1 | 0 | 4 | NR | 2 | 0 |
| 43 | 3 | 2 | ND | 2 | ND | 3 | 2 | ND | 4 | 4 |
| 50 | ND | 0 | 0 | 0 | 0 | 0 | 4 | ND | 4 | ND |
| 59 | 3 | 4 | ND | 4 | 3 | 3 | 2 | ND | 1 | 3 |
| 80 | 4 | 3 | 3 | 4 | ND | 4 | 4 | ND | 2 | 3 |
| 84 | 2 | 2 | 2 | 0 | ND | 2 | 4 | ND | NR | 1 |
| 104 | 3 | ND | NR | 0 | ND | 1 | 4 | 3 | 1 | 3 |
| 112 | 4 | 4 | NR | 4 | 4 | 4 | 3 | 4 | 4 | 3 |
| 127 | 4 | 0 | NR | ND | NR | 4 | 1 | 2 | 3 | 4 |
| 135 | 3 | 4 | NR | 4 | 4 | 4 | 2 | NR | 4 | 3 |
| 142 | 2 | 4 | NR | 4 | 1 | 4 | 4 | ND | 3 | 3 |
| 144 | 4 | 4 | ND | ND | 4 | 4 | 4 | ND | 4 | 4 |

Table 7 Standard Reference Water Sample No. SED3 (Bed Material)
Overall Laboratory Performance

RATING 4 (Excellent) 0.00 to 0.50 Std. Dev.
3 (Good) 0.51 to 1.00 Std. Dev.
2 (Satisfactory) 1.01 to 1.50 Std. Dev.
1 (Questionable) 1.51 to 2.00 Std. Dev.
0 (Poor) > 2.00 Std. Dev.
ND Not determined
NR Not rated

| LAB | PB | SE | SR | V | ZN | N | Avg. |
|---|---|---|---|---|---|---|---|
| 8 | 0 | NR | 4 | 3 | 3 | 16 | 3.38 |
| 13 | NR | NR | 3 | 3 | 4 | 16 | 3.25 |
| 20 | 3 | ND | ND | ND | 4 | 12 | 3.17 |
| 22 | 3 | 0 | 4 | 4 | 3 | 18 | 3.06 |
| 30 | 4 | ND | ND | ND | 1 | 16 | 2.50 |
| 33 | 3 | ND | ND | ND | 1 | 12 | 2.00 |
| 37 | 3 | 3 | ND | ND | 1 | 16 | 2.25 |
| 38 | 4 | NR | ND | 1 | 3 | 13 | 2.08 |
| 40 | 2 | 3 | ND | ND | 4 | 15 | 3.07 |
| 41 | 0 | 3 | 1 | 1 | 1 | 20 | 0.95 |
| 43 | 3 | NR | ND | ND | 3 | 15 | 2.87 |
| 50 | 0 | 0 | ND | ND | ND | 11 | 0.73 |
| 59 | 1 | ND | ND | ND | 3 | 14 | 2.64 |
| 80 | 4 | 3 | 3 | 3 | 2 | 19 | 3.42 |
| 84 | NR | NR | ND | ND | 1 | 12 | 2.25 |
| 104 | 3 | 3 | 0 | 4 | 4 | 17 | 2.24 |
| 112 | 2 | 1 | 4 | 2 | 4 | 21 | 3.19 |
| 127 | 4 | NR | 2 | 4 | 3 | 16 | 3.06 |
| 135 | 1 | 4 | 1 | NR | 3 | 20 | 3.15 |
| 142 | 3 | NR | 4 | 3 | 3 | 19 | 3.21 |
| 144 | 2 | ND | 3 | 4 | 4 | 19 | 3.63 |

Table 8 Standard Reference Water Sample M6 Report for ALK(CACO3)

| Code Number | Reported value | Pct. dev. from mean | | Methods | Reference |
|---|---|---|---|---|---|
| 1 | 28 | 10.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 2 | 20 | -21.4 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 4 | 26 | 2.2 | | 'TITRATION, COLORIMETRIC' | 3 |
| 6 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 7 | 28 | 10.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 8 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 9 | 25 | -1.7 | | OTHER | |
| 10 | 26 | 2.2 | | 'TITRATION, COLORIMETRIC' | 3 |
| 13 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 15 | 26 | 2.2 | | 'TITRATION, COLORIMETRIC' | 3 |
| 16 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 19 | 30 | 17.9 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 20 | 52 | 104.4 | REJECT | 'TITRATION, ELECTROMETRIC' | 4 |
| 22 | 13 | -48.9 | REJECT | 'TITRATION, COLORIMETRIC' | 3 |
| 24 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 25 | 28 | 10.0 | | 'TITRATION, COLORIMETRIC' | 3 |
| 27 | 28 | 10.0 | | 'TITRATION, COLORIMETRIC' | 3 |
| 30 | 27 | 6.1 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 33 | 24 | -5.7 | | NOT REPORTED | |
| 34 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 36 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 37 | 24 | -5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 38 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 40 | 26 | 2.2 | | 'TITRATION, COLORIMETRIC' | 3 |
| 41 | 28 | 10.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 43 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 44 | 24 | -5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 45 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 46 | 28 | 10.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 48 | 28 | 10.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 49 | 50 | 96.5 | REJECT | 'TITRATION, ELECTROMETRIC' | 4 |
| 50 | 23 | -9.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 52 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 53 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 56 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 57 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 58 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 63 | 24 | -5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 64 | 26 | 2.2 | | 'TITRATION, COLORIMETRIC' | 3 |
| 67 | 23 | -9.6 | | 'TITRATION, COLORIMETRIC' | 3 |
| 69 | 31 | 21.8 | | NOT REPORTED | |
| 70 | 27 | 6.1 | | 'TITRATION, COLORIMETRIC' | 3 |
| 72 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 73 | 24 | -5.7 | | OTHER | |
| 75 | 24 | -5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 77 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 79 | 23 | -9.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 80 | 26 | 2.2 | | OTHER | |
| 81 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 83 | 24 | -5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 84 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 85 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 86 | 29 | 14.0 | | 'TITRATION, COLORIMETRIC' | 3 |
| 91 | 22 | -13.5 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 93 | 24 | -5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 94 | 38 | 49.3 | REJECT | 'TITRATION, ELECTROMETRIC' | 4 |
| 96 | 23 | -9.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 98 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 99 | 29 | 14.0 | | 'TITRATION, COLORIMETRIC' | 3 |
| 102 | 25 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 103 | 23 | -9.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 104 | 30 | 17.9 | | 'TITRATION, COLORIMETRIC' | 3 |
| 112 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 113 | 16 | -37.1 | REJECT | 'TITRATION, ELECTROMETRIC' | 4 |
| 118 | 26 | 2.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 123 | 29 | 14.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 124 | 20 | -21.4 | | NOT REPORTED | |
| 142 | 24 | -5.7 | | 'TITRATION, ELECTROMETRIC' | 4 |

68 Labs had a total range of 13 to 52 and a mean of 25.4
with a standard deviation of 2.2 and a 95% confidence interval of the mean +/- 0.6.

Table 8 Standard Reference Water Sample M6 Report for B

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 10 | | IGNORED | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 2 | 20 | -42.4 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 6 | 60 | 72.8 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 8 | 48 | 38.2 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 9 | 45 | 29.6 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 13 | < 250 | | IGNORED | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 14 | 20 | -42.4 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 15 | < 50 | | IGNORED | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 22 | < 100 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 25 | 51 | 46.9 | | EMISSION, DC PLASMA | 7 |
| 34 | < 0 | | IGNORED | COLORIMETRIC, AZOMETHINE | 5 |
| 38 | 29 | -16.5 | | EMISSION, IC PLASMA | 3 |
| 40 | 20 | -42.4 | | EMISSION, IC PLASMA | 3 |
| 41 | < 20 | | IGNORED | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 46 | < 0 | | IGNORED | COLORIMETRIC, CARMINE (CARMINIC ACID) | 2,4 |
| 47 | 230 | 562.3 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 48 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 49 | 23 | -33.8 | | EMISSION, IC PLASMA | 3 |
| 51 | 18 | -48.2 | | EMISSION, IC PLASMA | 3 |
| 52 | 23 | -33.8 | | EMISSION, IC PLASMA | 3 |
| 57 | 21 | -39.5 | | EMISSION, DC PLASMA | 7 |
| 63 | < 40 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 67 | 13 | -62.6 | | EMISSION, IC PLASMA | 3 |
| 73 | 41 | 18.1 | | EMISSION, IC PLASMA | 3 |
| 80 | 75 | 116.0 | | EMISSION, IC PLASMA | 3 |
| 83 | < 2000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 85 | < 20 | | IGNORED | COLORIMETRIC, DIANTHRIMIDE | 4 |
| 93 | 137 | 294.5 | REJECT | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 98 | 67 | 92.9 | | EMISSION, IC PLASMA | 3 |
| 99 | 80 | 130.4 | | COLORIMETRIC, AZOMETHINE | 5 |
| 103 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 108 | 10 | -71.2 | | COLORIMETRIC, AZOMETHINE | 5 |
| 110 | 29 | -16.5 | | EMISSION, IC PLASMA | 3 |
| 111 | 21 | -39.5 | | EMISSION, IC PLASMA | 3 |
| 112 | < 0 | | IGNORED | EMISSION, DC PLASMA | 7 |
| 123 | 10 | -71.2 | | COLORIMETRIC, CARMINE (CARMINIC ACID) | 2,4 |
| 127 | < 20 | | IGNORED | OTHER | |
| 142 | 40 | 15.2 | | EMISSION, IC PLASMA | 3 |

38 Labs had a total range of 10 to 230 and a mean of 34.7
with a standard deviation of 21.1 and a 95% confidence interval of the mean +/- 9.3.

Table 8 Standard Reference Water Sample M6 Report for BR

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 100 | | IGNORED | COLORIMETRIC, CATALYTIC OXIDATION | 2,4 |
| 6 | < 50 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 19 | 8 | -38.5 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 22 | < 200 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 38 | < 20 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 51 | 18 | 38.5 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 57 | < 5 | | IGNORED | COLORIMETRIC, CHLORAMINE-T | 1 |
| 127 | < 100 | | IGNORED | OTHER | |
| 142 | < 200 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |

9 Labs had a total range of 8 to 18.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

Table 8 Standard Reference Water Sample M6 Report for CA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | 26 | 0.7 | | TITRATION, EDTA | 1,3 |
| 6 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 26 | 0.7 | | EMISSION, IC PLASMA | 3,5,7 |
| 8 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 9 | 29 | 12.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 24 | -7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 17 | 18 | -30.3 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 19 | 32 | 23.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 28 | 8.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 22 | 28 | 8.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 24 | 24 | -7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 27 | 4.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 24 | -7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 23 | -10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 24 | -7.0 | | NOT REPORTED | |
| 34 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 21 | -18.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 27 | 4.6 | | EMISSION, IC PLASMA | 3,5,7 |
| 40 | 26 | 0.7 | | EMISSION, IC PLASMA | 3,5,7 |
| 41 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 42 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 28 | 8.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 27 | 4.6 | | TITRATION, EDTA | 1,3 |
| 47 | 24 | -7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 28 | 8.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 49 | 25 | -3.2 | | EMISSION, IC PLASMA | 3,5,7 |
| 50 | 22 | -14.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 28 | 8.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 52 | 25 | -3.2 | | EMISSION, IC PLASMA | 3,5,7 |
| 53 | 28 | 8.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 56 | 44 | 70.4 | REJECT | TITRATION, EDTA | 1,3 |
| 57 | 25 | -3.2 | | EMISSION, IC PLASMA | 3,5,7 |
| 63 | 25 | -3.2 | | TITRATION, EDTA | 1,3 |
| 64 | 22 | -14.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 30 | 16.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 70 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 25 | -3.2 | | EMISSION, IC PLASMA | 3,5,7 |
| 76 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 77 | 27 | 4.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 25 | -3.2 | | EMISSION, IC PLASMA | 3,5,7 |
| 81 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 84 | 30 | 16.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 27 | 4.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 23 | -10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 25 | -3.2 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 96 | 25 | -3.2 | | OTHER | |
| 98 | 24 | -7.0 | | EMISSION, IC PLASMA | 3,5,7 |
| 99 | 30 | 16.2 | | TITRATION, EDTA | 1,3 |
| 102 | 23 | -10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 27 | 4.6 | | EMISSION, IC PLASMA | 3,5,7 |
| 104 | 257 | 895.4 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 108 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 26 | 0.7 | | EMISSION, IC PLASMA | 3,5,7 |
| 111 | 26 | 0.7 | | EMISSION, IC PLASMA | 3,5,7 |
| 112 | 25 | -3.2 | | OTHER | |
| 113 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 26 | 0.7 | | OTHER | |
| 122 | 29 | 12.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 123 | 26 | 0.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 22 | -14.8 | | OTHER | |
| 142 | 26 | 0.7 | | EMISSION, IC PLASMA | 3,5,7 |

69 Labs had a total range of 18 to 257 and a mean of 25.8
with a standard deviation of 2.0 and a 95% confidence interval of the mean +/- 0.5.

Table 8 Standard Reference Water Sample M6 Report for CL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 6 | 13.3 | 0.0 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 7 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 8 | 10.8 | -18.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 9 | 13.5 | 1.5 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 13 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 14 | 13.8 | 3.8 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 15 | 12.0 | -9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 16 | 13.3 | 0.0 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 19 | 6.4 | -51.9 | REJECT | ION CHROMATOGRAPHY | 2,3,6,7 |
| 20 | 10.0 | -24.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 22 | 16.4 | 23.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 24 | 13.6 | 2.3 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 25 | 14.0 | 5.3 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 27 | 13.0 | -2.2 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 29 | 15.0 | 12.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 30 | 13.2 | -0.7 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 33 | 14.0 | 5.3 | | NOT REPORTED | |
| 34 | 14.6 | 9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 36 | 13.7 | 3.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 37 | 13.7 | 3.0 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 38 | 13.0 | -2.2 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 40 | 12.0 | -9.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 41 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 42 | 13.0 | -2.2 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 43 | 14.0 | 5.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 46 | 13.1 | -1.5 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 47 | 15.3 | 15.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 48 | 13.0 | -2.2 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 49 | 13.2 | -0.7 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 51 | 12.9 | -3.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 52 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 53 | 14.0 | 5.3 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 56 | 14.1 | 6.0 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 57 | 14.0 | 5.3 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 58 | 12.0 | -9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 63 | 13.0 | -2.2 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 65 | 13.0 | -2.2 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 67 | 13.5 | 1.5 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 70 | 14.8 | 11.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 72 | 14.0 | 5.3 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 73 | 12.0 | -9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 74 | 12.9 | -3.0 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 76 | 14.0 | 5.3 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 77 | 13.0 | -2.2 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 79 | 14.0 | 5.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 80 | 12.0 | -9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 81 | 12.0 | -9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 82 | 17.5 | 31.6 | REJECT | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 83 | 13.0 | -2.2 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 84 | 13.5 | 1.5 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 85 | 12.0 | -9.8 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 86 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 91 | 11.0 | -17.3 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 93 | 13.4 | 0.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 95 | 17.9 | 34.6 | REJECT | TITRATION, SILVER NITRATE | 1,2,4 |
| 96 | 11.9 | -10.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 98 | 13.0 | -2.2 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 99 | 16.0 | 20.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 102 | 14.4 | 8.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 103 | 13.0 | -2.2 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 104 | 14.0 | 5.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 108 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 112 | 14.0 | 5.3 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 118 | 13.0 | -2.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 121 | 13.4 | 0.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 122 | 14.6 | 9.8 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 123 | 12.0 | -9.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 124 | 14.0 | 5.3 | | NOT REPORTED | |
| 142 | 14.0 | 5.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |

70 Labs had a total range of 6.4 to 17.9 and a mean of 13.30
with a standard deviation of 1.09 and a 95% confidence interval of the mean +/- 0.27.

Table 8 Standard Reference Water Sample M6 Report for DSRD 180

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 178 | -0.3 | | OTHER | |
| 2 | 164 | -8.1 | | RESIDUE, FILTRABLE | 1,3 |
| 4 | 170 | -4.7 | | RESIDUE, FILTRABLE | 1,3 |
| 6 | 155 | -13.2 | | RESIDUE, FILTRABLE | 1,3 |
| 7 | 169 | -5.3 | | RESIDUE, FILTRABLE | 1,3 |
| 8 | 182 | 2.0 | | RESIDUE, FILTRABLE | 1,3 |
| 13 | 238 | 33.4 | | RESIDUE, FILTRABLE | 1,3 |
| 14 | 174 | -2.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 15 | 170 | -4.7 | | RESIDUE, FILTRABLE | 1,3 |
| 19 | 185 | 3.7 | | RESIDUE ON EVAPORATION | 2,4 |
| 20 | 160 | -10.4 | | RESIDUE, FILTRABLE | 1,3 |
| 22 | 184 | 3.1 | | RESIDUE, FILTRABLE | 1,3 |
| 24 | 167 | -6.4 | | NOT REPORTED | |
| 25 | 190 | 6.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 27 | 159 | -10.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 29 | 169 | -5.3 | | RESIDUE, FILTRABLE | 1,3 |
| 30 | 174 | -2.5 | | RESIDUE, FILTRABLE | 1,3 |
| 33 | 156 | -12.6 | | NOT REPORTED | |
| 34 | 180 | 0.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 36 | 167 | -6.4 | | RESIDUE, FILTRABLE | 1,3 |
| 37 | 160 | -10.4 | | RESIDUE, FILTRABLE | 1,3 |
| 38 | 170 | -4.7 | | RESIDUE, FILTRABLE | 1,3 |
| 40 | 166 | -7.0 | | RESIDUE ON EVAPORATION | 2,4 |
| 41 | 222 | 24.4 | | RESIDUE ON EVAPORATION | 2,4 |
| 43 | 148 | -17.1 | | RESIDUE ON EVAPORATION | 2,4 |
| 45 | 184 | 3.1 | | RESIDUE ON EVAPORATION | 2,4 |
| 46 | 163 | -8.7 | | RESIDUE, FILTRABLE | 1,3 |
| 47 | 190 | 6.5 | | RESIDUE, FILTRABLE | 1,3 |
| 48 | 159 | -10.9 | | RESIDUE, FILTRABLE | 1,3 |
| 50 | 125 | -30.0 | | NOT REPORTED | |
| 53 | 183 | 2.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 56 | 188 | 5.3 | | RESIDUE ON EVAPORATION | 2,4 |
| 57 | 166 | -7.0 | | RESIDUE ON EVAPORATION | 2,4 |
| 58 | 196 | 9.8 | | RESIDUE, FILTRABLE | 1,3 |
| 63 | 168 | -5.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 64 | 180 | 0.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 70 | 170 | -4.7 | | RESIDUE, FILTRABLE | 1,3 |
| 72 | 17 | -90.5 | REJECT | RESIDUE ON EVAPORATION | 2,4 |
| 76 | 160 | -10.4 | | RESIDUE, FILTRABLE | 1,3 |
| 77 | 180 | 0.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 79 | 180 | 0.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 80 | 203 | 13.7 | | RESIDUE ON EVAPORATION | 2,4 |
| 81 | 163 | -8.7 | | RESIDUE, FILTRABLE | 1,3 |
| 83 | 207 | 16.0 | | RESIDUE, FILTRABLE | 1,3 |
| 84 | 231 | 29.4 | | RESIDUE ON EVAPORATION | 2,4 |
| 85 | 175 | -1.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 91 | 196 | 9.8 | | RESIDUE, FILTRABLE | 1,3 |
| 93 | 182 | 2.0 | | RESIDUE, FILTRABLE | 1,3 |
| 94 | 151 | -15.4 | | RESIDUE, FILTRABLE | 1,3 |
| 98 | 160 | -10.4 | | RESIDUE ON EVAPORATION | 2,4 |
| 99 | 210 | 17.7 | | RESIDUE ON EVAPORATION | 2,4 |
| 102 | 227 | 27.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 104 | 208 | 16.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 108 | 178 | -0.3 | | RESIDUE ON EVAPORATION | 2,4 |
| 112 | 189 | 5.9 | | RESIDUE, FILTRABLE | 1,3 |
| 118 | 188 | 5.3 | | RESIDUE, FILTRABLE | 1,3 |
| 121 | 196 | 9.8 | | RESIDUE, FILTRABLE | 1,3 |
| 122 | 162 | -9.2 | | RESIDUE, FILTRABLE | 1,3 |
| 123 | 174 | -2.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 142 | 181 | 1.4 | | RESIDUE, FILTRABLE | 1,3 |

60 Labs had a total range of 17 to 238 and a mean of 178.5
with a standard deviation of 20.9 and a 95% confidence interval of the mean +/- 5.5.

Table 8 Standard Reference Water Sample M6 Report for F

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 2 | 0.8 | -5.7 | | OTHER | |
| 4 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 6 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 7 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 8 | 0.9 | 6.1 | | COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE" | 3 |
| 9 | 0.7 | -17.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 10 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 13 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 15 | 0.9 | 6.1 | | OTHER | |
| 16 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 19 | 0.4 | -52.8 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 20 | 1.2 | 41.5 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 22 | 0.8 | -5.7 | | ION CHROMATOGRAPHY | 2,3,6 |
| 24 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 25 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 27 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 29 | 0.9 | 6.1 | | OTHER | |
| 30 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 33 | 0.8 | -5.7 | | NOT REPORTED | |
| 34 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 36 | 0.9 | 6.1 | | ION CHROMATOGRAPHY | 2,3,6 |
| 37 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 38 | 0.9 | 6.1 | | ION CHROMATOGRAPHY | 2,3,6 |
| 40 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 41 | 0.9 | 6.1 | | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 1 |
| 46 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 47 | 0.9 | 6.1 | | ION CHROMATOGRAPHY | 2,3,6 |
| 48 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 49 | 0.8 | -5.7 | | ION CHROMATOGRAPHY | 2,3,6 |
| 50 | 0.9 | 6.1 | | NOT REPORTED | |
| 51 | 0.8 | -5.7 | | ION CHROMATOGRAPHY | 2,3,6 |
| 56 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 57 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 58 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 63 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 70 | 1.0 | 17.9 | | COLORIMETRIC, SPADNS | 1,2,3 |
| 76 | 1.1 | 29.7 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 77 | 0.9 | 6.1 | | COLORIMETRIC, ZIRCONIUM ERIOCHROME | 4 |
| 80 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 81 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 83 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 85 | 0.8 | -5.7 | | COLORIMETRIC, ZIRCONIUM ERIOCHROME | 4 |
| 86 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 91 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 93 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 96 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 98 | 0.9 | 6.1 | | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 1 |
| 99 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 103 | 0.9 | 6.1 | | ION CHROMATOGRAPHY | 2,3,6 |
| 104 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 112 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 113 | 0.7 | -17.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 123 | 0.9 | 6.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 142 | 0.8 | -5.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |

55 Labs had a total range of 0.4 to 1.2 and a mean of 0.85
with a standard deviation of 0.06 and a 95% confidence interval of the mean +/- 0.02.

Table 8 Standard Reference Water Sample M6 Report for I

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 22 | < 1000 | | IGNORED | ION CHROMATOGRAPHY | |
| 57 | 0 | | | COLORIMETRIC, CERIC ARSENIOUS OXIDATION | 2,4 |
| 127 | < 100 | | IGNORED | OTHER | |

3 Labs had a total range of 0 to 0.
INSUFFICIENT DATA FOR DETERMINATION OF MEAN AND STANDARD OF DEVIATION.

Table 8 Standard Reference Water Sample M6 Report for K

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 0.70 | -17.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 0.77 | -9.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 0.87 | 2.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 0.80 | -6.2 | | EMISSION, IC PLASMA | 3 |
| 8 | 0.86 | 0.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 0.75 | -12.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 0.78 | -8.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 0.80 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 17 | 0.96 | 12.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 0.79 | -7.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 0.76 | -10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 1.00 | 17.3 | | EMISSION, IC PLASMA | 3 |
| 24 | 0.90 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 1.00 | 17.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 0.79 | -7.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 0.90 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 0.86 | 0.9 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 33 | 0.90 | 5.5 | | NOT REPORTED | |
| 34 | 0.83 | -2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 0.75 | -12.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 0.68 | -20.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 0.90 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 0.90 | 5.5 | | EMISSION, IC PLASMA | 3 |
| 41 | 0.90 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 42 | 0.76 | -10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 0.80 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 1.17 | 37.2 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 47 | 0.83 | -2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 0.56 | -34.3 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 49 | 0.75 | -12.0 | | EMISSION, IC PLASMA | 3 |
| 50 | 0.73 | -14.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 52 | 0.88 | 3.2 | | EMISSION, IC PLASMA | 3 |
| 53 | 1.00 | 17.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 56 | 1.49 | 74.7 | REJECT | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 57 | 0.85 | -0.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 3.34 | 291.7 | REJECT | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 64 | 0.88 | 3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 0.92 | 7.9 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 72 | 0.75 | -12.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 0.86 | 0.9 | | EMISSION, IC PLASMA | 3 |
| 76 | 1.00 | 17.3 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 77 | 0.90 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 0.70 | -17.9 | | OTHER | |
| 81 | 1.60 | 87.6 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 1.10 | 29.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 0.89 | 4.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 0.80 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 0.80 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 0.70 | -17.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 0.87 | 2.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 0.90 | 5.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 98 | 0.86 | 0.9 | | EMISSION, IC PLASMA | 3 |
| 99 | 1.00 | 17.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 1.00 | 17.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 1.16 | 36.0 | | EMISSION, IC PLASMA | 3 |
| 104 | 0.84 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 0.80 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 2.00 | 134.5 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | 0.98 | 14.9 | | EMISSION, IC PLASMA | 3 |
| 113 | 0.74 | -13.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 0.82 | -3.8 | | OTHER | |
| 122 | 2.35 | 175.6 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 123 | 0.80 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | 0.76 | -10.9 | | EMISSION, IC PLASMA | 3 |

65 Labs had a total range of 0.56 to 3.34 and a mean of 0.853
with a standard deviation 0.115 and a 95% confidence interval of the mean +/- 0.030.

Table 8 Standard Reference Water Sample M6 Report for MG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 8 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 9 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 17 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 19 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 7 | -32.7 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 24 | 9 | -13.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 24 | 130.6 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 10 | -3.9 | | NOT REPORTED | |
| 34 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 10 | -3.9 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 42 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 10 | -3.9 | | TITRATION, EDTA | 2 |
| 47 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 49 | 10 | -3.9 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 10 | -3.9 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 12 | 15.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 56 | 16 | 53.8 | REJECT | TITRATION, EDTA | 2 |
| 57 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 63 | 12 | 15.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 64 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 70 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 10 | -3.9 | | EMISSION, IC PLASMA | 3,5 |
| 76 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 77 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 10 | -3.9 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 84 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 9 | -13.5 | | OTHER | |
| 98 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 99 | 13 | 24.9 | REJECT | TITRATION, EDTA | 2 |
| 102 | 9 | -13.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 108 | 10 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 10 | -3.9 | | OTHER | |
| 113 | 9 | -13.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 10 | -3.9 | | TITRATION, EDTA | 2 |
| 122 | 8 | -23.1 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 123 | 11 | 5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 10 | -3.9 | | OTHER | |
| 142 | 11 | 5.7 | | EMISSION, IC PLASMA | 3,5 |

69 Labs had a total range of 7 to 24 and a mean of 10.4
with a standard deviation of 0.7 and a 95% confidence interval of the mean +/- 0.2.

Table 8 Standard Reference Water Sample M6 Report for NA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 8.3 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | 8.0 | -3.8 | | EMISSION, FLAME | 1,2 |
| 6 | 8.4 | 1.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 8.0 | -3.8 | | EMISSION, IC PLASMA | 3,5 |
| 8 | 8.3 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 8.1 | -2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 7.6 | -8.6 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 8.1 | -2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 17 | 9.1 | 9.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 6.3 | -24.2 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 9.1 | 9.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 1.0 | -88.0 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 24 | 8.2 | -1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 7.0 | -15.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 8.2 | -1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 8.8 | 5.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 7.8 | -6.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 7.0 | -15.8 | | NOT REPORTED | |
| 34 | 8.8 | 5.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 9.5 | 14.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 7.3 | -12.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 8.6 | 3.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 8.1 | -2.6 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 7.9 | -5.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 42 | 8.3 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 8.7 | 4.6 | | EMISSION, FLAME | 1,2 |
| 46 | 9.2 | 10.6 | | EMISSION, FLAME | 1,2 |
| 47 | 7.9 | -5.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 8.8 | 5.8 | | EMISSION, IC PLASMA | 3,5 |
| 49 | 8.2 | -1.4 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 8.1 | -2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 8.4 | 1.0 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 8.2 | -1.4 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 11.6 | 39.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 56 | 8.8 | 5.8 | | EMISSION, FLAME | 1,2 |
| 57 | 8.7 | 4.6 | | EMISSION, IC PLASMA | 3,5 |
| 63 | 16.8 | 102.0 | REJECT | EMISSION, FLAME | 1,2 |
| 64 | 8.2 | -1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 7.6 | -8.6 | | EMISSION, FLAME | 1,2 |
| 70 | 11.6 | 39.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 8.0 | -3.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 8.6 | 3.4 | | EMISSION, IC PLASMA | 3,5 |
| 76 | 8.0 | -3.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 77 | 8.5 | 2.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 8.2 | -1.4 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 7.9 | -5.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 8.9 | 7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 8.5 | 2.2 | | EMISSION, FLAME | 1,2 |
| 85 | 8.2 | -1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 8.5 | 2.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 8.0 | -3.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 8.2 | -1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 7.8 | -6.2 | | OTHER | |
| 98 | 8.0 | -3.8 | | EMISSION, IC PLASMA | 3,5 |
| 99 | 10.0 | 20.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 8.7 | 4.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 8.2 | -1.4 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 8.4 | 1.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 8.3 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 8.8 | 5.8 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 8.3 | -0.2 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 8.5 | 2.2 | | OTHER | |
| 118 | 8.0 | -3.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 8.5 | 2.2 | | EMISSION, FLAME | 1,2 |
| 122 | 7.1 | -14.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 123 | 8.3 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 10.0 | 20.3 | | OTHER | |
| 142 | 8.2 | -1.4 | | EMISSION, IC PLASMA | 3,5 |

68 Labs had a total range of 1.0 to 16.8 and a mean of 8.32
with a standard deviation of 0.57 and a 95% confidence interval of the mean +/- 0.14.

Table 8 Standard Reference Water Sample M6 Report for NO2-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 0.02 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 2 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 6 | < 0.00 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 7 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 8 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 13 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 14 | < 0.00 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 15 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 20 | < 0.01 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 22 | < 0.20 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 24 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 27 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 29 | 0.01 | -95.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 30 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 34 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 36 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 37 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 38 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 40 | 0.02 | -91.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 41 | 0.14 | -42.3 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 42 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 43 | < 0.02 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 44 | 1.38 | 469.1 | | ION CHROMATOGRAPHY | 2,3,6 |
| 46 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 48 | < 0.00 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 50 | 0.02 | -91.8 | | NOT REPORTED | |
| 53 | < 0.02 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 56 | 0.01 | -95.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 57 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 58 | 0.02 | -91.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 64 | 0.01 | -95.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 65 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 73 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 74 | < 0.02 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 76 | < 0.00 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 79 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 81 | < 0.05 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 83 | 0.01 | -95.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 85 | 0.01 | -95.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 86 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 91 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 93 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 95 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 98 | 1.27 | 423.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 99 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 108 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 109 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 112 | 0.01 | -95.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 113 | < 0.01 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 121 | < 0.01 | | IGNORED | OTHER | |
| 142 | < 0.10 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |

51 Labs had a total range of 0.01 to 1.38 and a mean of 0.243
with a standard deviation of 0.508 and a 95% confidence interval of the mean +/- 0.322.

Table 8 Standard Reference Water Sample M6 Report for NO3-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 1.0 | -15.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 2 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 4 | 1.3 | 9.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 6 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 7 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 8 | 1.3 | 9.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 9 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 13 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 14 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 15 | 1.0 | -15.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 19 | 4.0 | 236.7 | REJECT | ION CHROMATOGRAPHY | 2,3,6,7 |
| 20 | 1.4 | 17.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 22 | 1.7 | 43.1 | REJECT | ION CHROMATOGRAPHY | 2,3,6,7 |
| 24 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 25 | 1.2 | 1.0 | | OTHER | |
| 27 | 1.0 | -15.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 29 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 30 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 33 | 1.3 | 9.4 | | NOT REPORTED | |
| 34 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 36 | 1.2 | 1.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 37 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 38 | 1.3 | 9.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 40 | 1.1 | -7.4 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 41 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 42 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 43 | 1.3 | 9.4 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 45 | 1.1 | -7.4 | | OTHER | |
| 46 | 0.8 | -32.7 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 47 | 1.5 | 26.3 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 48 | 1.4 | 17.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 49 | 1.2 | 1.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 50 | 1.2 | 1.0 | | NOT REPORTED | |
| 51 | 1.3 | 9.4 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 52 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 53 | 1.0 | -15.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 56 | 1.3 | 9.4 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 57 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 58 | 1.3 | 9.4 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 63 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 64 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 65 | 1.1 | -7.4 | | OTHER | |
| 67 | 1.2 | 1.0 | | NOT REPORTED | |
| 70 | 1.0 | -15.8 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 72 | 1.1 | -7.4 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 73 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 74 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 76 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 79 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 80 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 81 | 1.4 | 17.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 82 | 1.0 | -15.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 83 | 1.6 | 34.7 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 84 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 85 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 86 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 91 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 93 | 1.4 | 17.8 | | OTHER | |
| 95 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 96 | 1.2 | 1.0 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 98 | < 0.0 | | IGNORED | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 99 | 1.1 | -7.4 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 103 | 1.2 | 1.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 104 | 1.1 | -7.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 107 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 108 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 109 | 0.1 | -91.6 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 112 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 113 | 1.0 | -15.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 118 | 1.2 | 1.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 121 | 1.2 | 1.0 | | OTHER | |
| 122 | < 0.1 | | IGNORED | NOT REPORTED | |
| 123 | 1.3 | 9.4 | | OTHER | |
| 142 | 1.0 | -15.8 | | ION CHROMATOGRAPHY | 2,3,6,7 |

74 Labs had a total range of 0.1 to 4.0 and a mean of 1.19
with a standard deviation of 0.11 and a 95% confidence interval of the mean +/- 0.03.

Table 8 Standard Reference Water Sample M6 Report for P, TOTAL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 0.02 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 2 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 4 | < 0.05 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 6 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 7 | 0.05 | 197.6 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 8 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 9 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 13 | 0.03 | 78.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 14 | 0.01 | -40.5 | | NOT REPORTED | |
| 15 | < 0.01 | | IGNORED | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 20 | 0.13 | 673.8 | REJECT | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 22 | < 1.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 29 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 30 | 0.02 | 19.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 33 | < 0.10 | | IGNORED | NOT REPORTED | |
| 34 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 37 | 0.01 | -40.5 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 38 | < 0.01 | | IGNORED | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 40 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 41 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 42 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 43 | < 0.01 | | IGNORED | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 44 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 47 | 0.02 | 19.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 48 | 0.03 | 78.6 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 49 | 0.02 | 19.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 51 | < 0.06 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 53 | < 0.05 | | IGNORED | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 56 | 0.03 | 78.6 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 57 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 58 | < 0.02 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 63 | < 0.01 | | IGNORED | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 64 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 65 | 0.03 | 78.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 69 | < 0.01 | | IGNORED | OTHER | |
| 73 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 74 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 79 | 0.02 | 19.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 80 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 81 | < 0.05 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 83 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 84 | 0.01 | -40.5 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 85 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 86 | 0.02 | 19.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 91 | 0.02 | 19.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 93 | 7.74 | 5E+04 | REJECT | OTHER | |
| 95 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 96 | 0.03 | 78.6 | | OTHER | |
| 98 | < 0.02 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 104 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 107 | 0.01 | -40.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 108 | 0.04 | 138.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 109 | < 0.00 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 110 | 0.20 | 1090.5 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 112 | 0.10 | 495.2 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 113 | < 0.01 | | IGNORED | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 118 | < 0.02 | | IGNORED | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 121 | < 0.01 | | IGNORED | OTHER | |
| 127 | < 0.05 | | IGNORED | OTHER | |
| 142 | < 0.10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

60 Labs had a total range of 0.01 to 7.74 and a mean of 0.017
with a standard deviation of 0.009 and a 95% confidence interval of the mean +/- 0.004.

**Table 8 Standard Reference Water Sample M6 Report for PH**

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 2 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 3 | 7.67 | 2.1 | | ELECTROMETRIC | 1,2,3,4 |
| 4 | 8.35 | 11.2 | | ELECTROMETRIC | 1,2,3,4 |
| 6 | 7.41 | -1.3 | | ELECTROMETRIC | 1,2,3,4 |
| 7 | 8.10 | 7.8 | | ELECTROMETRIC | 1,2,3,4 |
| 8 | 6.94 | -7.6 | | ELECTROMETRIC | 1,2,3,4 |
| 9 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 10 | 7.50 | -0.1 | | ELECTROMETRIC | 1,2,3,4 |
| 13 | 7.45 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 14 | 7.30 | -2.8 | | ELECTROMETRIC | 1,2,3,4 |
| 15 | 8.10 | 7.8 | | ELECTROMETRIC | 1,2,3,4 |
| 16 | 7.49 | -0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 19 | 6.88 | -8.4 | | ELECTROMETRIC | 1,2,3,4 |
| 20 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 22 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 24 | 7.79 | 3.7 | | ELECTROMETRIC | 1,2,3,4 |
| 25 | 7.30 | -2.8 | | ELECTROMETRIC | 1,2,3,4 |
| 27 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 29 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 30 | 7.39 | -1.6 | | ELECTROMETRIC | 1,2,3,4 |
| 33 | 6.17 | -17.9 | REJECT | NOT REPORTED | |
| 34 | 7.66 | 2.0 | | ELECTROMETRIC | 1,2,3,4 |
| 36 | 7.59 | 1.1 | | ELECTROMETRIC | 1,2,3,4 |
| 37 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 38 | 7.34 | -2.3 | | ELECTROMETRIC | 1,2,3,4 |
| 40 | 7.88 | 4.9 | | ELECTROMETRIC | 1,2,3,4 |
| 41 | 6.40 | -14.8 | REJECT | ELECTROMETRIC | 1,2,3,4 |
| 42 | 7.54 | 0.4 | | ELECTROMETRIC | 1,2,3,4 |
| 44 | 7.68 | 2.3 | | ELECTROMETRIC | 1,2,3,4 |
| 46 | 6.27 | -16.5 | REJECT | ELECTROMETRIC | 1,2,3,4 |
| 47 | 7.30 | -2.8 | | ELECTROMETRIC | 1,2,3,4 |
| 48 | 7.85 | 4.5 | | ELECTROMETRIC | 1,2,3,4 |
| 49 | 7.50 | -0.1 | | ELECTROMETRIC | 1,2,3,4 |
| 50 | 7.35 | -2.1 | | ELECTROMETRIC | 1,2,3,4 |
| 52 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 53 | 7.27 | -3.2 | | ELECTROMETRIC | 1,2,3,4 |
| 56 | 7.55 | 0.5 | | ELECTROMETRIC | 1,2,3,4 |
| 57 | 7.80 | 3.9 | | ELECTROMETRIC | 1,2,3,4 |
| 58 | 7.61 | 1.3 | | ELECTROMETRIC | 1,2,3,4 |
| 63 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 64 | 7.80 | 3.9 | | ELECTROMETRIC | 1,2,3,4 |
| 67 | 7.50 | -0.1 | | ELECTROMETRIC | 1,2,3,4 |
| 69 | 7.77 | 3.5 | | NOT REPORTED | |
| 70 | 7.47 | -0.5 | | ELECTROMETRIC | 1,2,3,4 |
| 73 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 74 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 76 | 7.20 | -4.1 | | ELECTROMETRIC | 1,2,3,4 |
| 77 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 79 | 7.30 | -2.8 | | ELECTROMETRIC | 1,2,3,4 |
| 80 | 7.55 | 0.5 | | ELECTROMETRIC | 1,2,3,4 |
| 81 | 6.90 | -8.1 | | ELECTROMETRIC | 1,2,3,4 |
| 83 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 84 | 7.42 | -1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 85 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 86 | 7.40 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 91 | 7.26 | -3.3 | | ELECTROMETRIC | 1,2,3,4 |
| 93 | 7.75 | 3.2 | | ELECTROMETRIC | 1,2,3,4 |
| 94 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 95 | 7.63 | 1.6 | | ELECTROMETRIC | 1,2,3,4 |
| 96 | 6.96 | -7.3 | | ELECTROMETRIC | 1,2,3,4 |
| 98 | 7.50 | -0.1 | | ELECTROMETRIC | 1,2,3,4 |
| 99 | 7.41 | -1.3 | | ELECTROMETRIC | 1,2,3,4 |
| 102 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 103 | 7.54 | 0.4 | | ELECTROMETRIC | 1,2,3,4 |
| 104 | 7.42 | -1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 108 | 7.80 | 3.9 | | ELECTROMETRIC | 1,2,3,4 |
| 109 | 7.18 | -4.4 | | ELECTROMETRIC | 1,2,3,4 |
| 111 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 112 | 7.86 | 4.6 | | ELECTROMETRIC | 1,2,3,4 |
| 113 | 7.08 | -5.7 | | ELECTROMETRIC | 1,2,3,4 |
| 118 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 122 | 7.60 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 123 | 7.70 | 2.5 | | ELECTROMETRIC | 1,2,3,4 |
| 124 | 7.00 | -6.8 | | NOT REPORTED | |
| 142 | 6.90 | -8.1 | | ELECTROMETRIC | 1,2,3,4 |

76 Labs had a total range of 6.17 to 8.35 and a mean of 7.511
with a standard deviation of 0.278 and a 95% confidence interval of the mean +/- 0.065.

Table 8 Standard Reference Water Sample M6 Report for SIO2

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 12.7 | 16.9 | | EMISSION, IC PLASMA | 5 |
| 6 | 11.0 | 1.3 | | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 8 | 10.0 | -7.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 9 | 10.0 | -7.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 13 | 11.2 | 3.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 14 | 9.6 | -11.6 | | NOT REPORTED | |
| 15 | 12.0 | 10.5 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 17 | 6.0 | -44.8 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 20 | 11.0 | 1.3 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 22 | 8.2 | -24.5 | | EMISSION, IC PLASMA | 5 |
| 24 | 10.2 | -6.1 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 25 | 10.0 | -7.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 30 | 11.0 | 1.3 | | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 34 | 9.2 | -15.3 | | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 36 | 10.4 | -4.2 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 38 | 10.6 | -2.4 | | EMISSION, IC PLASMA | 5 |
| 40 | 11.0 | 1.3 | | EMISSION, IC PLASMA | 5 |
| 41 | 9.0 | -17.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 42 | 10.8 | -0.6 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 47 | 13.0 | 19.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 48 | 12.0 | 10.5 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 49 | 10.5 | -3.3 | | EMISSION, IC PLASMA | 5 |
| 52 | 11.0 | 1.3 | | EMISSION, IC PLASMA | 5 |
| 57 | 11.0 | 1.3 | | EMISSION, IC PLASMA | 5 |
| 63 | 13.0 | 19.7 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 64 | 11.2 | 3.1 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 73 | 11.3 | 4.0 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 80 | 10.0 | -7.9 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 82 | 12.5 | 15.1 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 83 | 12.0 | 10.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 85 | 10.0 | -7.9 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 91 | 7.9 | -27.3 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 93 | 8.4 | -22.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 95 | 11.0 | 1.3 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 98 | 10.8 | -0.6 | | EMISSION, IC PLASMA | 5 |
| 99 | 13.8 | 27.1 | | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 103 | 10.1 | -7.0 | | EMISSION, IC PLASMA | 5 |
| 104 | 12.6 | 16.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 108 | 11.0 | 1.3 | | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 110 | 11.0 | 1.3 | | EMISSION, IC PLASMA | 5 |
| 112 | 12.0 | 10.5 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 118 | 11.0 | 1.3 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 123 | 11.0 | 1.3 | | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 142 | 11.0 | 1.3 | | EMISSION, IC PLASMA | 5 |

44 Labs had a total range of 6.0 to 13.8 and a mean of 10.86
with a standard deviation of 1.27 and a 95% confidence interval of the mean +/- 0.39.

**Table 8 Standard Reference Water Sample M6 Report for SO4**

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 76 | 3.8 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 2 | 79 | 7.9 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 4 | 76 | 3.8 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 6 | 75 | 2.4 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 7 | 76 | 3.8 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 8 | 73 | -0.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 9 | 70 | -4.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 10 | 78 | 6.5 | | ION CHROMATOGRAPHY | 2,6,7 |
| 13 | 80 | 9.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 14 | 70 | -4.4 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 15 | 73 | -0.3 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 17 | 121 | 65.3 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 19 | 34 | -53.6 | REJECT | ION CHROMATOGRAPHY | 2,6,7 |
| 20 | 8 | -89.1 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 22 | 76 | 3.8 | | ION CHROMATOGRAPHY | 2,6,7 |
| 24 | 26 | -64.5 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 25 | 65 | -11.2 | | THORIN TITRATION | 2,4 |
| 27 | 75 | 2.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 29 | 63 | -13.9 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 30 | 72 | -1.7 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 33 | 90 | 22.9 | | NOT REPORTED | |
| 34 | 74 | 1.1 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 36 | 72 | -1.7 | | ION CHROMATOGRAPHY | 2,6,7 |
| 37 | 71 | -3.0 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 38 | 77 | 5.2 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 40 | 74 | 1.1 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 41 | 75 | 2.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 42 | 69 | -5.8 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 43 | 60 | -18.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 45 | 74 | 1.1 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 46 | 73 | -0.3 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 47 | 79 | 7.9 | | ION CHROMATOGRAPHY | 2,6,7 |
| 48 | 78 | 6.5 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 49 | 74 | 1.1 | | ION CHROMATOGRAPHY | 2,6,7 |
| 50 | 50 | -31.7 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 51 | 74 | 1.1 | | ION CHROMATOGRAPHY | 2,6,7 |
| 52 | 74 | 1.1 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 53 | 70 | -4.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 56 | 75 | 2.4 | | ION CHROMATOGRAPHY | 2,6,7 |
| 57 | 75 | 2.4 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 58 | 76 | 3.8 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 63 | 46 | -37.2 | REJECT | ION CHROMATOGRAPHY | 2,6,7 |
| 67 | 76 | 3.8 | | ION CHROMATOGRAPHY | 2,6,7 |
| 70 | 73 | -0.3 | | OTHER | |
| 72 | 60 | -18.0 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 76 | 60 | -18.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 77 | 74 | 1.1 | | THORIN TITRATION | 2,4 |
| 79 | 77 | 5.2 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 80 | 73 | -0.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 81 | 95 | 29.8 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 83 | 71 | -3.0 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 84 | 63 | -13.9 | | COLORIMETRIC, CHLORANILATE | 3 |
| 85 | 82 | 12.0 | | THORIN TITRATION | 2,4 |
| 86 | 70 | -4.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 91 | 73 | -0.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 93 | 76 | 3.8 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 96 | 73 | -0.3 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 98 | 62 | -15.3 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 99 | 75 | 2.4 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 102 | 68 | -7.1 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 103 | 74 | 1.1 | | ION CHROMATOGRAPHY | 2,6,7 |
| 104 | 45 | -38.5 | REJECT | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 107 | 79 | 7.9 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 108 | 80 | 9.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 112 | 54 | -26.2 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 118 | 75 | 2.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 121 | 73 | -0.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 122 | 70 | -4.4 | | COLORIMETRIC, CHLORANILATE | 3 |
| 123 | 74 | 1.1 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 142 | 74 | 1.1 | | ION CHROMATOGRAPHY | 2,6,7 |

70 Labs had a total range of 8 to 121 and a mean of 73.2
with a standard deviation of 5.4 and a 95% confidence interval of the mean +/- 1.4.

Table 8 Standard Reference Water Sample M6 Report for SP. COND.

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 261 | -3.7 | | DIRECT READING INSTRUMENT | 4 |
| 2 | 181 | -33.2 | REJECT | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 3 | 280 | 3.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 4 | 270 | -0.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 6 | 259 | -4.5 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 7 | 272 | 0.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 8 | 278 | 2.5 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 9 | 253 | -6.7 | | DIRECT READING INSTRUMENT | 4 |
| 10 | 253 | -6.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 13 | 278 | 2.5 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 14 | 275 | 1.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 15 | 270 | -0.4 | | DIRECT READING INSTRUMENT | 4 |
| 16 | 281 | 3.6 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 17 | 273 | 0.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 19 | 179 | -34.0 | REJECT | DIRECT READING INSTRUMENT | 4 |
| 20 | 1300 | 379.4 | REJECT | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 22 | 268 | -1.2 | | DIRECT READING INSTRUMENT | 4 |
| 24 | 272 | 0.3 | | DIRECT READING INSTRUMENT | 4 |
| 25 | 277 | 2.2 | | DIRECT READING INSTRUMENT | 4 |
| 27 | 258 | -4.8 | | DIRECT READING INSTRUMENT | 4 |
| 29 | 240 | -11.5 | | DIRECT READING INSTRUMENT | 4 |
| 30 | 273 | 0.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 33 | 260 | -4.1 | | NOT REPORTED | |
| 34 | 276 | 1.8 | | DIRECT READING INSTRUMENT | 4 |
| 36 | 276 | 1.8 | | DIRECT READING INSTRUMENT | 4 |
| 37 | 276 | 1.8 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 38 | 270 | -0.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 40 | 276 | 1.8 | | DIRECT READING INSTRUMENT | 4 |
| 41 | 271 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 43 | 274 | 1.1 | | DIRECT READING INSTRUMENT | 4 |
| 46 | 276 | 1.8 | | DIRECT READING INSTRUMENT | 4 |
| 47 | 270 | -0.4 | | DIRECT READING INSTRUMENT | 4 |
| 48 | 276 | 1.8 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 49 | 282 | 4.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 50 | 269 | -0.8 | | DIRECT READING INSTRUMENT | 4 |
| 52 | 271 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 53 | 282 | 4.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 56 | 256 | -5.6 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 57 | 275 | 1.4 | | DIRECT READING INSTRUMENT | 4 |
| 58 | 271 | -0.1 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 63 | 291 | 7.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 64 | 272 | 0.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 67 | 253 | -6.7 | | DIRECT READING INSTRUMENT | 4 |
| 69 | 210 | -22.6 | REJECT | NOT REPORTED | |
| 70 | 260 | -4.1 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 72 | 230 | -15.2 | REJECT | DIRECT READING INSTRUMENT | 4 |
| 73 | 278 | 2.5 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 74 | 268 | -1.2 | | DIRECT READING INSTRUMENT | 4 |
| 76 | 293 | 8.1 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 77 | 277 | 2.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 79 | 297 | 9.5 | | ELECTRODELESS, INDUCTIVE CELL-TYPE | 2 |
| 80 | 277 | 2.2 | | DIRECT READING INSTRUMENT | 4 |
| 81 | 250 | -7.8 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 82 | 280 | 3.3 | | DIRECT READING INSTRUMENT | 4 |
| 83 | 263 | -3.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 84 | 240 | -11.5 | | DIRECT READING INSTRUMENT | 4 |
| 85 | 275 | 1.4 | | DIRECT READING INSTRUMENT | 4 |
| 86 | 256 | -5.6 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 91 | 260 | -4.1 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 93 | 279 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 94 | 260 | -4.1 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 96 | 271 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 98 | 272 | 0.3 | | DIRECT READING INSTRUMENT | 4 |
| 99 | 298 | 9.9 | | DIRECT READING INSTRUMENT | 4 |
| 102 | 274 | 1.1 | | DIRECT READING INSTRUMENT | 4 |
| 103 | 263 | -3.0 | | DIRECT READING INSTRUMENT | 4 |
| 104 | 266 | -1.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 108 | 270 | -0.4 | | DIRECT READING INSTRUMENT | 4 |
| 109 | 272 | 0.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 111 | 278 | 2.5 | | DIRECT READING INSTRUMENT | 4 |
| 118 | 280 | 3.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 122 | 276 | 1.8 | | DIRECT READING INSTRUMENT | 4 |
| 123 | 278 | 2.5 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 142 | 284 | 4.7 | | DIRECT READING INSTRUMENT | 4 |

74 Labs had a total range of 179 to 1300 and a mean of 271.1
with a standard deviation of 11.2 and a 95% confidence interval of the mean +/- 2.7.

Table 8 Standard Reference Water Sample M6 Report for SR

| Code Number | Reported value | Pct. dev. from mean | Methods | References |
|---|---|---|---|---|
| 1 | 1 | -99.8 | EMISSION, IC PLASMA | 3,5 |
| 6 | 500 | 14.9 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 8 | 500 | 14.9 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 13 | 480 | 10.3 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 15 | 550 | 26.4 | OTHER | |
| 22 | 470 | 8.0 | EMISSION, IC PLASMA | 3,5 |
| 24 | 510 | 17.2 | ATOMIC ABSORPTION, FLAMELESS | 7 |
| 36 | 334 | -23.2 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 41 | 360 | -17.3 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 47 | 440 | 1.1 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 49 | 495 | 13.7 | EMISSION, IC PLASMA | 3,5 |
| 51 | 501 | 15.1 | EMISSION, IC PLASMA | 3,5 |
| 52 | 470 | 8.0 | EMISSION, IC PLASMA | 3,5 |
| 53 | 536 | 23.2 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 57 | 492 | 13.1 | EMISSION, IC PLASMA | 3,5 |
| 63 | 7 | -98.4 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 67 | 490 | 12.6 | EMISSION, IC PLASMA | 3,5 |
| 73 | 490 | 12.6 | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |
| 80 | 510 | 17.2 | ATOMIC ABSORPTION, FLAMELESS | 7 |
| 85 | 500 | 14.9 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 93 | 504 | 15.8 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 98 | 500 | 14.9 | EMISSION, IC PLASMA | 3,5 |
| 103 | 496 | 14.0 | EMISSION, IC PLASMA | 3,5 |
| 104 | 500 | 14.9 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 110 | 500 | 14.9 | EMISSION, IC PLASMA | 3,5 |
| 112 | 1 | -99.8 | OTHER | |
| 127 | 500 | 14.9 | OTHER | |
| 142 | 480 | 10.3 | EMISSION, IC PLASMA | 3,5 |
| 144 | 503 | 15.6 | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

29 Labs had a total range of 1 to 550 and a mean of 435.2
with a standard deviation of 155.5 and a 95% confidence interval of the mean +/- 59.1.

Table 8 Standard Reference Water Sample M6 Report for V

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 6 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 8 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 13 | 12.5 | 97.1 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 3.8 | -40.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | 29.0 | 357.3 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 24 | 13.6 | 114.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 10.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | <200.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 47 | 3.6 | -43.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 3.0 | -52.7 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 5.0 | -21.2 | | EMISSION, IC PLASMA | 3,5 |
| 57 | 2.0 | -68.5 | | COLORIMETRIC, CATALYTIC OXIDATION | 4 |
| 63 | < 40.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 73 | 6.0 | -5.4 | | EMISSION, IC PLASMA | 3,5 |
| 80 | 4.0 | -36.9 | | EMISSION, IC PLASMA | 3,5 |
| 83 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 93 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 98 | 4.0 | -36.9 | | EMISSION, IC PLASMA | 3,5 |
| 103 | < 2.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 110 | 15.0 | 136.5 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 3.6 | -43.2 | | EMISSION, IC PLASMA | 3,5 |

22 Labs had a total range of 2.0 to 29.0 and a mean of 6.34
with a standard deviation of 4.57 and a 95% confidence interval of the mean +/- 2.91.

Table 9 . Statistics by method for standard reference sample M6

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| ALK(CACO3) | 'TITRATION, COLORIMETRIC' | 13.000 | 30.000 | 26.000 | 2.114 | 18 |
| | 'TITRATION, ELECTROMETRIC' | 16.000 | 52.000 | 25.256 | 1.996 | 39 |
| | NOT REPORTED | 20.000 | 31.000 | 25.000 | 5.568 | 3 |
| | OTHER | 24.000 | 26.000 | 25.000 | 1.000 | 3 |
| | _OVER-ALL_ | 13.000 | 52.000 | 25.444 | 2.198 | 63 |
| B | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 230.000 | 230.000 | ------- | ------ | - |
| | COLORIMETRIC, AZOMETHINE | 10.000 | 80.000 | ------- | ------ | - |
| | COLORIMETRIC, CURCUMIN | 20.000 | 137.000 | 38.600 | 17.883 | 5 |
| | EMISSION, DC PLASMA | 21.000 | 51.000 | ------ | ------ | - |
| | EMISSION, IC PLASMA | 13.000 | 75.000 | 33.250 | 19.545 | 12 |
| | _OVER-ALL_ | 10.000 | 230.000 | 34.727 | 21.054 | 22 |
| BR | ION CHROMATOGRAPHY | 8.000 | 18.000 | ------ | ----- | - |
| | _OVER-ALL_ | 8.000 | 18.000 | ------ | ----- | - |
| CA | ATOMIC ABSORPTION, DIRECT, AIR | 21.000 | 32.000 | 25.750 | 2.395 | 36 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 18.000 | 257.000 | 26.000 | 1.225 | 5 |
| | EMISSION, IC PLASMA | 24.000 | 28.000 | 26.063 | 1.237 | 16 |
| | OTHER | 22.000 | 26.000 | 24.500 | 1.732 | 4 |
| | TITRATION, EDTA | 25.000 | 44.000 | 27.000 | 2.160 | 4 |
| | _OVER-ALL_ | 18.000 | 257.000 | 25.818 | 2.037 | 66 |
| CL | COLORIMETRIC, FERRIC THIOCYANATE | 10.800 | 17.500 | 12.908 | 0.972 | 24 |
| | ION CHROMATOGRAPHY | 6.400 | 16.400 | 13.800 | 1.166 | 10 |
| | TITRATION, MERCURIC NITRATE | 12.000 | 16.000 | 13.707 | 0.945 | 15 |
| | TITRATION, SILVER NITRATE | 10.000 | 17.900 | 13.377 | 0.851 | 13 |
| | _OVER-ALL_ | 6.400 | 17.900 | 13.297 | 1.086 | 67 |
| DSRD 180 | NOT REPORTED | 125.000 | 167.000 | 149.333 | 21.779 | 3 |
| | RESIDUE ON EVAPORATION | 17.000 | 231.000 | 185.542 | 21.437 | 24 |
| | RESIDUE, FILTRABLE | 151.000 | 238.000 | 174.034 | 14.451 | 29 |
| | _OVER-ALL_ | 17.000 | 238.000 | 178.475 | 20.920 | 59 |
| F | ION CHROMATOGRAPHY | 0.400 | 0.900 | 0.857 | 0.053 | 7 |
| | ION SELECTIVE ELECTRODE | 0.700 | 1.200 | 0.835 | 0.060 | 34 |
| | OTHER | 0.800 | 0.900 | ----- | ----- | - |
| | _OVER-ALL_ | 0.400 | 1.200 | 0.848 | 0.061 | 52 |
| K | ATOMIC ABSORPTION, DIRECT, AIR | 0.680 | 2.350 | 0.838 | 0.096 | 40 |
| | EMISSION, FLAME, PHOTOMETRIC | 0.560 | 3.340 | 1.000 | 0.313 | 6 |
| | EMISSION, IC PLASMA | 0.750 | 2.000 | 0.895 | 0.124 | 10 |
| | _OVER-ALL_ | 0.560 | 3.340 | 0.853 | 0.115 | 59 |
| MG | ATOMIC ABSORPTION, DIRECT, AIR | 9.000 | 24.000 | 10.324 | 0.669 | 37 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 10.000 | 12.000 | 10.833 | 0.753 | 6 |
| | EMISSION, IC PLASMA | 7.000 | 11.000 | 10.667 | 0.488 | 15 |
| | OTHER | 9.000 | 10.000 | ------ | ----- | - |
| | TITRATION, EDTA | 10.000 | 16.000 | 12.250 | 2.872 | 4 |
| | _OVER-ALL_ | 7.000 | 24.000 | 10.406 | 0.660 | 64 |
| NA | ATOMIC ABSORPTION, DIRECT, AIR | 6.300 | 11.600 | 8.245 | 0.660 | 38 |
| | EMISSION, FLAME | 7.600 | 16.800 | 8.471 | 0.528 | 7 |
| | EMISSION, IC PLASMA | 1.000 | 8.800 | 8.287 | 0.329 | 15 |
| | OTHER | 7.800 | 10.000 | 8.767 | 1.124 | 3 |
| | _OVER-ALL_ | 1.000 | 16.800 | 8.316 | 0.575 | 63 |
| NO2-N | COLORIMETRIC, DIAZOTIZATION | 0.010 | 1.270 | 0.013 | 0.005 | 8 |
| | ION CHROMATOGRAPHY | 1.380 | 1.380 | ----- | ----- | - |
| | _OVER-ALL_ | 0.010 | 1.380 | 0.243 | 0.508 | 12 |
| NO3-N | COLORIMETRIC, BRUCINE | 1.000 | 1.500 | 1.200 | 0.179 | 6 |
| | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 0.100 | 1.600 | 1.181 | 0.098 | 43 |
| | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 1.100 | 1.300 | ----- | ----- | - |
| | ION CHROMATOGRAPHY | 1.000 | 4.000 | 1.267 | 0.234 | 6 |
| | NOT REPORTED | 1.200 | 1.300 | ----- | ----- | - |
| | OTHER | 1.100 | 1.400 | 1.217 | 0.117 | 6 |
| | _OVER-ALL_ | 0.100 | 4.000 | 1.188 | 0.108 | 67 |
| P, TOTAL | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 0.010 | 0.100 | 0.015 | 0.007 | 21 |
| | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 0.010 | 0.130 | 0.020 | 0.012 | 4 |
| | EMISSION, IC PLASMA | 0.200 | 0.200 | ----- | ----- | - |
| | OTHER | 0.030 | 7.740 | ----- | ----- | - |
| | _OVER-ALL_ | 0.010 | 7.740 | 0.017 | 0.009 | 28 |
| PH | ELECTROMETRIC | 6.270 | 8.350 | 7.514 | 0.274 | 71 |
| | NOT REPORTED | 6.170 | 7.770 | 6.980 | 0.800 | 3 |
| | _OVER-ALL_ | 6.170 | 8.350 | 7.511 | 0.278 | 73 |
| SIO2 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 6.000 | 13.000 | 10.220 | 2.115 | 10 |
| | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 10.000 | 13.000 | 11.078 | 0.967 | 9 |
| | COLORIMETRIC, MOLYBDOSILICIC ACID | 7.900 | 12.500 | 10.943 | 1.553 | 7 |
| | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 9.200 | 11.000 | ------ | ----- | - |
| | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 11.000 | 13.800 | ------ | ----- | - |
| | EMISSION, IC PLASMA | 8.200 | 12.700 | 10.778 | 0.319 | 9 |
| | _OVER-ALL_ | 6.000 | 13.800 | 10.861 | 1.269 | 43 |
| SO4 | COLORIMETRIC, METHYL THYMOL BLUE | 26.000 | 95.000 | 74.000 | 3.378 | 18 |
| | GRAVIMETRIC, BARIUM SULFATE | 45.000 | 76.000 | 73.250 | 1.982 | 8 |
| | ION CHROMATOGRAPHY | 34.000 | 79.000 | 75.200 | 2.098 | 10 |
| | THORIN TITRATION | 65.000 | 82.000 | 73.667 | 8.505 | 3 |
| | TURBIDIMETRIC, BARIUM SULFATE | 8.000 | 121.000 | 69.632 | 8.757 | 19 |
| | _OVER-ALL_ | 8.000 | 121.000 | 73.213 | 5.392 | 61 |
| SP. COND. | DIRECT READING INSTRUMENT | 179.000 | 298.000 | 270.324 | 11.353 | 34 |
| | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 181.000 | -1300.000 | 271.545 | 10.459 | 33 |
| | _OVER-ALL_ | 179.000 | -1300.000 | 271.145 | 11.229 | 69 |

Table 9 . Statistics by method for standard reference sample M6

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| SR | ATOMIC ABSORPTION, DIRECT, AIR | 7.000 | 536.000 | 465.400 | 67.079 | 10 |
| | EMISSION, IC PLASMA | 1.000 | 501.000 | 489.400 | 11.937 | 10 |
| | OTHER | 1.000 | 550.000 | ------- | ------ | - |
| | _OVER-ALL_ | 1.000 | 550.000 | 435.172 | 155.478 | 29 |
| V | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | ----- | ----- | ------- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 3.600 | 13.600 | ------- | ----- | - |
| | EMISSION, IC PLASMA | 3.000 | 29.000 | 6.638 | 4.532 | 8 |
| | _OVER-ALL_ | 2.000 | 29.000 | 6.342 | 4.572 | 12 |

Table 10 Standard Reference Water Sample M94 Report for ALK(CACO3)

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 250 | 2.4 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 2 | 240 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 4 | 240 | -1.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 6 | 246 | 0.8 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 7 | 253 | 3.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 8 | 236 | -3.3 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 9 | 240 | -1.7 | | OTHER | |
| 12 | 247 | 1.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 13 | 245 | 0.4 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 15 | 248 | 1.6 | | 'TITRATION, COLORIMETRIC' | 3 |
| 16 | 246 | 0.8 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 19 | 240 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 20 | 500 | 104.9 | REJECT | 'TITRATION, ELECTROMETRIC' | 4 |
| 22 | 215 | -11.9 | REJECT | 'TITRATION, COLORIMETRIC' | 3 |
| 23 | 236 | -3.3 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 24 | 251 | 2.8 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 25 | 258 | 5.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 27 | 259 | 6.1 | | 'TITRATION, COLORIMETRIC' | 3 |
| 30 | 264 | 8.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 33 | 239 | -2.1 | | NOT REPORTED | |
| 34 | 241 | -1.3 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 36 | 247 | 1.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 37 | 244 | -0.0 | | 'TITRATION, COLORIMETRIC' | 3 |
| 38 | 224 | -8.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 40 | 250 | 2.4 | | 'TITRATION, COLORIMETRIC' | 3 |
| 41 | 252 | 3.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 43 | 246 | 0.8 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 44 | 240 | -1.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 45 | 248 | 1.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 46 | 222 | -9.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 48 | 234 | -4.1 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 49 | 488 | 99.9 | REJECT | 'TITRATION, ELECTROMETRIC' | 4 |
| 50 | 244 | -0.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 52 | 230 | -5.8 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 53 | 250 | 2.4 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 54 | 261 | 6.9 | | 'TITRATION, COLORIMETRIC' | 3 |
| 56 | 247 | 1.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 57 | 247 | 1.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 58 | 244 | -0.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 59 | 233 | -4.5 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 62 | 241 | -1.3 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 63 | 245 | 0.4 | | 'TITRATION, COLORIMETRIC' | 3 |
| 64 | 252 | 3.2 | | 'TITRATION, COLORIMETRIC' | 3 |
| 68 | 244 | -0.0 | | 'TITRATION, COLORIMETRIC' | 3 |
| 69 | 235 | -3.7 | | NOT REPORTED | |
| 70 | 240 | -1.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 72 | 244 | -0.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 73 | 245 | 0.4 | | OTHER | |
| 77 | 248 | 1.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 79 | 240 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 80 | 242 | -0.8 | | OTHER | |
| 81 | 240 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 83 | 248 | 1.6 | | 'TITRATION, COLORIMETRIC' | 3 |
| 84 | 249 | 2.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 85 | 250 | 2.4 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 86 | 280 | 14.7 | REJECT | 'TITRATION, COLORIMETRIC' | 3 |
| 87 | 250 | 2.4 | | 'TITRATION, COLORIMETRIC' | 3 |
| 90 | 240 | -1.7 | | 'TITRATION, COLORIMETRIC' | 3 |
| 91 | 235 | -3.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 93 | 242 | -0.8 | | 'TITRATION, COLORIMETRIC' | 3 |
| 94 | 248 | 1.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 97 | 246 | 0.8 | | OTHER | |
| 98 | 239 | -2.1 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 99 | 256 | 4.9 | | 'TITRATION, COLORIMETRIC' | 3 |
| 102 | 247 | 1.2 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 103 | 238 | -2.5 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 104 | 243 | -0.4 | | 'TITRATION, COLORIMETRIC' | 3 |
| 105 | 244 | -0.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 107 | 240 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 112 | 244 | -0.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 113 | 244 | -0.0 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 118 | 248 | 1.6 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 123 | 255 | 4.5 | | 'TITRATION, ELECTROMETRIC' | 4 |
| 124 | 225 | -7.8 | | NOT REPORTED | |
| 142 | 240 | -1.7 | | 'TITRATION, ELECTROMETRIC' | 4 |

75 Labs had a total range of 215 to 500 and a mean of 244.1
with a standard deviation of 7.8 and a 95% confidence interval of the mean +/- 1.8.

Table 10 Standard Reference Water Sample M94 Report for B

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 240 | 7.2 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 6 | 230 | 2.7 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 8 | 200 | -10.7 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 9 | 306 | 36.7 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 13 | < 250 | | IGNORED | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 14 | 60 | -73.2 | REJECT | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 15 | 243 | 8.6 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 22 | 141 | -37.0 | | EMISSION, IC PLASMA | 3 |
| 25 | 257 | 14.8 | | EMISSION, DC PLASMA | 7 |
| 34 | < 1 | | IGNORED | COLORIMETRIC, AZOMETHINE | 5 |
| 38 | 214 | -4.4 | | EMISSION, IC PLASMA | 3 |
| 40 | 200 | -10.7 | | EMISSION, IC PLASMA | 3 |
| 41 | 170 | -24.1 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 46 | < 1 | | IGNORED | COLORIMETRIC, CARMINE (CARMINIC ACID) | 2,4 |
| 47 | 2000 | 793.4 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 48 | 180 | -19.6 | | EMISSION, IC PLASMA | 3 |
| 49 | 230 | 2.7 | | EMISSION, IC PLASMA | 3 |
| 52 | 262 | 17.0 | | EMISSION, IC PLASMA | 3 |
| 54 | 230 | 2.7 | | COLORIMETRIC, AZOMETHINE | 5 |
| 57 | 216 | -3.5 | | EMISSION, DC PLASMA | 7 |
| 63 | < 40 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 68 | 215 | -4.0 | | COLORIMETRIC, AZOMETHINE | 5 |
| 73 | 200 | -10.7 | | EMISSION, IC PLASMA | 3 |
| 80 | 225 | 0.5 | | EMISSION, IC PLASMA | 3 |
| 83 | < 2000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 85 | 220 | -1.7 | | COLORIMETRIC, DIANTHRIMIDE | 4 |
| 93 | 313 | 39.8 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 97 | 480 | 114.4 | REJECT | COLORIMETRIC, CARMINE (CARMINIC ACID) | 2,4 |
| 98 | 240 | 7.2 | | EMISSION, IC PLASMA | 3 |
| 99 | 250 | 11.7 | | COLORIMETRIC, AZOMETHINE | 5 |
| 103 | 210 | -6.2 | | EMISSION, IC PLASMA | 3 |
| 105 | 200 | -10.7 | | COLORIMETRIC, CARMINE (CARMINIC ACID) | 2,4 |
| 108 | 230 | 2.7 | | COLORIMETRIC, AZOMETHINE | 5 |
| 110 | 220 | -1.7 | | EMISSION, IC PLASMA | 3 |
| 111 | 206 | -8.0 | | EMISSION, IC PLASMA | 3 |
| 112 | < 1 | | IGNORED | EMISSION, DC PLASMA | 7 |
| 123 | 420 | 87.6 | REJECT | COLORIMETRIC, CARMINE (CARMINIC ACID) | 2,4 |
| 127 | < 20 | | IGNORED | OTHER | |
| 142 | 220 | -1.7 | | EMISSION, IC PLASMA | 3 |

39 Labs had a total range of 60 to 2000 and a mean of 223.9
with a standard deviation of 35.3 and a 95% confidence interval of the mean +/- 13.7.

Table 10 Standard Reference Water Sample M94 Report for BR

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 600 | 52.7 | | COLORIMETRIC, CATALYTIC OXIDATION | 2,4 |
| 6 | 320 | -18.6 | | ION CHROMATOGRAPHY | 2,3,6 |
| 19 | 412 | 4.8 | | ION CHROMATOGRAPHY | 2,3,6 |
| 22 | 230 | -41.5 | | ION CHROMATOGRAPHY | 2,3,6 |
| 36 | 420 | 6.9 | | ION CHROMATOGRAPHY | 2,3,6 |
| 38 | 410 | 4.3 | | ION CHROMATOGRAPHY | 2,3,6 |
| 54 | 745 | 89.6 | | COLORIMETRIC, CATALYTIC OXIDATION | 2,4 |
| 57 | < 1 | -100.0 | IGNORED | COLORIMETRIC, CHLORAMINE-T | 1 |
| 87 | < 1 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 127 | 5900 | 1401.3 | REJECT | OTHER | |
| 142 | 400 | 1.8 | | ION CHROMATOGRAPHY | 2,3,6 |

11 Labs had a total range of 0 to 5900 and a mean of 442.0
with a standard deviation of 161.8.

Table 10 Standard Reference Water Sample M94 Report for CA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 99 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 100 | -0.5 | | OTHER | |
| 4 | 104 | 3.5 | | TITRATION, EDTA | 1,3 |
| 6 | 97 | -3.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 104 | 3.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 8 | 101 | 0.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 9 | 105 | 4.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 102 | 1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 121 | 20.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 96 | -4.4 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 22 | 103 | 2.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 24 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 108 | 7.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 99 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 95 | -5.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 86 | -14.4 | | NOT REPORTED | |
| 34 | 98 | -2.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 84 | -16.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 104 | 3.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 40 | 99 | -1.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 41 | 112 | 11.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 42 | 96 | -4.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 110 | 9.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 106 | 5.5 | | TITRATION, EDTA | 1,3 |
| 47 | 97 | -3.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 106 | 5.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 49 | 100 | -0.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 50 | 79 | -21.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 52 | 100 | -0.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 53 | 108 | 7.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 113 | 12.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 56 | 180 | 79.2 | REJECT | TITRATION, EDTA | 1,3 |
| 57 | 96 | -4.4 | | EMISSION, IC PLASMA | 3,5,7 |
| 59 | 106 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 107 | 6.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 62 | 102 | 1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 108 | 7.5 | | TITRATION, EDTA | 1,3 |
| 64 | 90 | -10.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 68 | 106 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 70 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 93 | -7.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 98 | -2.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 77 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 101 | 0.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 81 | 104 | 3.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 84 | 143 | 42.3 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 102 | 1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 87 | 93 | -7.4 | | OTHER | |
| 90 | 95 | -5.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 97 | -3.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 97 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | 90 | -10.4 | | EMISSION, IC PLASMA | 3,5,7 |
| 99 | 108 | 7.5 | | TITRATION, EDTA | 1,3 |
| 102 | 90 | -10.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 105 | 4.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 104 | 102 | 1.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 105 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 100 | -0.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 111 | 101 | 0.5 | | EMISSION, IC PLASMA | 3,5,7 |
| 112 | 10 | -90.0 | REJECT | OTHER | |
| 113 | 84 | -16.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 110 | 9.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 99 | -1.5 | | OTHER | |
| 122 | 104 | 3.5 | | NOT REPORTED | |
| 123 | 100 | -0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 110 | 9.5 | | OTHER | |
| 142 | 100 | -0.5 | | EMISSION, IC PLASMA | 3,5,7 |

74 Labs had a total range of 10 to 180 and a mean of 100.5
with a standard deviation of 6.9 and a 95% confidence interval of the mean +/- Table

Table 10 Standard Reference Water Sample M94 Report for CL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 69 | 6.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 2 | 6 | -90.8 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 4 | 66 | 1.5 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 6 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 7 | 70 | 7.6 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 8 | 92 | 41.4 | REJECT | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 9 | 65 | -0.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 12 | 65 | -0.1 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 13 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 14 | 65 | -0.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 15 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 16 | 63 | -3.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 19 | 59 | -9.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 20 | 58 | -10.8 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 22 | 74 | 13.8 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 24 | 65 | -0.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 25 | 50 | -23.1 | REJECT | TITRATION, SILVER NITRATE | 1,2,4 |
| 27 | 65 | -0.1 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 29 | 70 | 7.6 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 30 | 65 | -0.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 33 | 59 | -9.3 | | NOT REPORTED | |
| 34 | 70 | 7.6 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 36 | 66 | 1.5 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 37 | 65 | -0.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 38 | 69 | 6.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 40 | 65 | -0.1 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 41 | 66 | 1.5 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 42 | 64 | -1.6 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 43 | 66 | 1.5 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 46 | 65 | -0.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 47 | 63 | -3.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 48 | 63 | -3.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 49 | 65 | -0.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 52 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 53 | 65 | -0.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 54 | 69 | 6.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 56 | 67 | 3.0 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 57 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 58 | 64 | -1.6 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 59 | 70 | 7.6 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 62 | 65 | -0.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 63 | 65 | -0.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 65 | 69 | 6.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 68 | 66 | 1.5 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 70 | 64 | -1.6 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 72 | 66 | 1.5 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 73 | 61 | -6.2 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 74 | 65 | -0.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 77 | 64 | -1.6 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 79 | 64 | -1.6 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 80 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 81 | 66 | 1.5 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 82 | 72 | 10.7 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 83 | 65 | -0.1 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 84 | 46 | -29.3 | REJECT | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 85 | 68 | 4.5 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 86 | 68 | 4.5 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 87 | 62 | -4.7 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 90 | 66 | 1.5 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 91 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 93 | 64 | -1.6 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 95 | 76 | 16.8 | REJECT | TITRATION, SILVER NITRATE | 1,2,4 |
| 97 | 64 | -1.6 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 98 | 65 | -0.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 99 | 66 | 1.5 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 102 | 63 | -3.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 103 | 64 | -1.6 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 104 | 68 | 4.5 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 105 | 70 | 7.6 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 107 | 63 | -3.1 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 108 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 112 | 66 | 1.5 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 118 | 63 | -3.1 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 121 | 63 | -3.1 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 122 | 57 | -12.4 | | NOT REPORTED | |
| 123 | 66 | 1.5 | | TITRATION, SILVER NITRATE | 1,2,4 |
| 124 | 63 | -3.1 | | NOT REPORTED | |
| 142 | 63 | -3.1 | | ION CHROMATOGRAPHY | 2,3,6,7 |

78 Labs had a total range of 6 to 92 and a mean of 65.0
with a standard deviation of 3.0 and a 95% confidence interval of the mean +/- 0.7.

Table 10 Standard Reference Water Sample M94 Report for DSRD 180

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 950 | 0.2 | | RESIDUE, FILTRABLE | 1,3 |
| 4 | 940 | -0.9 | | RESIDUE, FILTRABLE | 1,3 |
| 6 | 930 | -2.0 | | RESIDUE, FILTRABLE | 1,3 |
| 7 | 953 | 0.5 | | RESIDUE, FILTRABLE | 1,3 |
| 8 | 964 | 1.6 | | RESIDUE, FILTRABLE | 1,3 |
| 12 | 967 | 1.9 | | RESIDUE, FILTRABLE | 1,3 |
| 13 | 976 | 2.9 | | RESIDUE, FILTRABLE | 1,3 |
| 14 | 960 | 1.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 15 | 940 | -0.9 | | RESIDUE, FILTRABLE | 1,3 |
| 19 | 917 | -3.3 | | RESIDUE ON EVAPORATION | 2,4 |
| 20 | 880 | -7.2 | | RESIDUE, FILTRABLE | 1,3 |
| 22 | 950 | 0.2 | | RESIDUE, FILTRABLE | 1,3 |
| 24 | 954 | 0.6 | | RESIDUE, FILTRABLE | 1,3 |
| 25 | 956 | 0.8 | | RESIDUE ON EVAPORATION | 2,4 |
| 27 | 945 | -0.4 | | RESIDUE ON EVAPORATION | 2,4 |
| 29 | 864 | -8.9 | | RESIDUE, FILTRABLE | 1,3 |
| 30 | 957 | 0.9 | | RESIDUE, FILTRABLE | 1,3 |
| 33 | 940 | -0.9 | | NOT REPORTED | |
| 34 | 952 | 0.4 | | RESIDUE ON EVAPORATION | 2,4 |
| 36 | 901 | -5.0 | | RESIDUE, FILTRABLE | 1,3 |
| 37 | 935 | -1.4 | | RESIDUE, FILTRABLE | 1,3 |
| 38 | 940 | -0.9 | | RESIDUE, FILTRABLE | 1,3 |
| 40 | 937 | -1.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 41 | 984 | 3.7 | | RESIDUE ON EVAPORATION | 2,4 |
| 43 | 960 | 1.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 45 | 956 | 0.8 | | RESIDUE ON EVAPORATION | 2,4 |
| 46 | 933 | -1.6 | | RESIDUE, FILTRABLE | 1,3 |
| 47 | 936 | -1.3 | | RESIDUE, FILTRABLE | 1,3 |
| 48 | 930 | -2.0 | | RESIDUE, FILTRABLE | 1,3 |
| 50 | 760 | -19.9 | REJECT | NOT REPORTED | |
| 53 | 957 | 0.9 | | RESIDUE ON EVAPORATION | 2,4 |
| 56 | 1074 | 13.2 | REJECT | RESIDUE ON EVAPORATION | 2,4 |
| 57 | 940 | -0.9 | | RESIDUE, FILTRABLE | 1,3 |
| 58 | 994 | 4.8 | | RESIDUE, FILTRABLE | 1,3 |
| 59 | 964 | 1.6 | | RESIDUE ON EVAPORATION | 2,4 |
| 62 | 946 | -0.3 | | RESIDUE, FILTRABLE | 1,3 |
| 63 | 972 | 2.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 64 | 982 | 3.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 68 | 947 | -0.2 | | RESIDUE, FILTRABLE | 1,3 |
| 70 | 950 | 0.2 | | RESIDUE, FILTRABLE | 1,3 |
| 72 | 92 | -90.3 | REJECT | RESIDUE ON EVAPORATION | 2,4 |
| 77 | 963 | 1.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 79 | 950 | 0.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 80 | 1066 | 12.4 | REJECT | RESIDUE ON EVAPORATION | 2,4 |
| 81 | 941 | -0.8 | | RESIDUE, FILTRABLE | 1,3 |
| 83 | 312 | -67.1 | REJECT | RESIDUE, FILTRABLE | 1,3 |
| 84 | 1068 | 12.6 | REJECT | RESIDUE ON EVAPORATION | 2,4 |
| 85 | 938 | -1.1 | | RESIDUE ON EVAPORATION | 2,4 |
| 91 | 980 | 3.3 | | RESIDUE, FILTRABLE | 1,3 |
| 93 | 960 | 1.2 | | RESIDUE, FILTRABLE | 1,3 |
| 94 | 955 | 0.7 | | RESIDUE, FILTRABLE | 1,3 |
| 95 | 941 | -0.8 | | RESIDUE ON EVAPORATION | 2,4 |
| 97 | 974 | 2.7 | | RESIDUE, FILTRABLE | 1,3 |
| 98 | 912 | -3.8 | | RESIDUE ON EVAPORATION | 2,4 |
| 99 | 884 | -6.8 | | RESIDUE ON EVAPORATION | 2,4 |
| 102 | 1017 | 7.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 104 | 1010 | 6.5 | | RESIDUE ON EVAPORATION | 2,4 |
| 105 | 929 | -2.1 | | RESIDUE, FILTRABLE | 1,3 |
| 107 | 934 | -1.5 | | RESIDUE, FILTRABLE | 1,3 |
| 108 | 969 | 2.2 | | RESIDUE ON EVAPORATION | 2,4 |
| 112 | 966 | 1.8 | | RESIDUE, FILTRABLE | 1,3 |
| 118 | 952 | 0.4 | | RESIDUE, FILTRABLE | 1,3 |
| 121 | 981 | 3.4 | | RESIDUE, FILTRABLE | 1,3 |
| 122 | 910 | -4.1 | | NOT REPORTED | |
| 123 | 946 | -0.3 | | RESIDUE ON EVAPORATION | 2,4 |
| 142 | 940 | -0.9 | | RESIDUE, FILTRABLE | 1,3 |

66 Labs had a total range of 92 to 1074 and a mean of 948.5
with a standard deviation of 27.4 and a 95% confidence interval of the mean +/- 7.1.

Table 10 Standard Reference Water Sample M94 Report for F

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 2 | 2.3 | -0.2 | | OTHER | |
| 4 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 6 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 7 | 2.4 | 4.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 8 | 2.5 | 8.5 | | COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE" | 3 |
| 9 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 12 | 2.5 | 8.5 | | COLORIMETRIC, SPADNS | 1,2,3 |
| 13 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 15 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 16 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 19 | 1.6 | -30.5 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 20 | 3.0 | 30.2 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 22 | 2.9 | 25.9 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 24 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 25 | 2.1 | -8.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 27 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 29 | 2.4 | 4.2 | | OTHER | |
| 30 | 2.4 | 4.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 33 | 2.3 | -0.2 | | NOT REPORTED | |
| 34 | 2.1 | -8.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 36 | 2.5 | 8.5 | | ION CHROMATOGRAPHY | 2,3,6 |
| 37 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 38 | 2.3 | -0.2 | | ION CHROMATOGRAPHY | 2,3,6 |
| 40 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 41 | 2.5 | 8.5 | | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 1 |
| 46 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 47 | 2.0 | -13.2 | | ION CHROMATOGRAPHY | 2,3,6 |
| 48 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 49 | 2.5 | 8.5 | | ION CHROMATOGRAPHY | 2,3,6 |
| 50 | 2.3 | -0.2 | | NOT REPORTED | |
| 54 | 2.3 | -0.2 | | ION CHROMATOGRAPHY | 2,3,6 |
| 56 | 2.6 | 12.9 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 57 | 2.4 | 4.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 58 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 62 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 63 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 68 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 70 | 2.6 | 12.9 | | COLORIMETRIC, SPADNS | 1,2,3 |
| 77 | 3.4 | 47.6 | REJECT | COLORIMETRIC, ZIRCONIUM ERIOCHROME | 4 |
| 80 | 2.4 | 4.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 81 | 2.4 | 4.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 83 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 85 | 2.3 | -0.2 | | COLORIMETRIC, ZIRCONIUM ERIOCHROME | 4 |
| 86 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 87 | 2.2 | -4.5 | | ION CHROMATOGRAPHY | 2,3,6 |
| 90 | 2.1 | -8.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 91 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 93 | 2.5 | 8.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 97 | 2.1 | -8.8 | | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 1 |
| 98 | 2.4 | 4.2 | | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 1 |
| 99 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 103 | 2.8 | 21.5 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 104 | 2.2 | -4.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 105 | 2.3 | -0.2 | | COLORIMETRIC, SPADNS | 1,2,3 |
| 112 | 2.3 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 123 | 2.5 | 8.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 142 | 2.1 | -8.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |

58 Labs had a total range of 1.6 to 3.4 and a mean of 2.30
with a standard deviation of 0.13 and a 95% confidence interval of the mean +/- 0.04.

Table 10 Standard Reference Water Sample M94 Report for I

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 22 | < 1000 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 57 | 10 | 0.0 | | COLORIMETRIC, CERIC ARSENIOUS OXIDATION | 2,4 |
| 127 | < 100 | | IGNORED | OTHER | |

3 Labs had a total range of 10 to 10.
INSUFFICIENT DATA FOR DETERMINATION OF MEAN AND STANDARD OF DEVIATION.

Table 10 Standard Reference Water Sample M94 Report for K

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 6.0 | -2.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 6.3 | 2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 6.0 | -2.8 | | EMISSION, IC PLASMA | 3 |
| 8 | 6.1 | -1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 6.0 | -2.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 8.4 | 36.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 6.8 | 10.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 7.0 | 13.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 5.0 | -19.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 5.0 | -19.0 | | EMISSION, IC PLASMA | 3 |
| 24 | 5.9 | -4.4 | | NOT REPORTED | |
| 25 | 7.0 | 13.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 6.6 | 6.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 6.2 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 7.4 | 19.9 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 33 | 5.4 | -12.5 | | NOT REPORTED | |
| 34 | 5.9 | -4.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 6.3 | 2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 6.2 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 7.4 | 19.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 5.8 | -6.0 | | EMISSION, IC PLASMA | 3 |
| 41 | 6.9 | 11.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 42 | 5.3 | -14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 6.5 | 5.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 6.3 | 2.1 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 47 | 6.6 | 6.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 7.0 | 13.4 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 49 | 5.9 | -4.4 | | EMISSION, IC PLASMA | 3 |
| 50 | 6.7 | 8.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 52 | 6.2 | 0.4 | | EMISSION, IC PLASMA | 3 |
| 53 | 6.4 | 3.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 5.3 | -14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 56 | 9.0 | 45.8 | REJECT | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 57 | 5.9 | -4.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 4.7 | -23.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 6.6 | 6.9 | | EMISSION, IC PLASMA | 3 |
| 62 | 5.3 | -14.1 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 63 | 2.1 | -66.0 | REJECT | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 64 | 6.8 | 10.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 68 | 6.3 | 2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 5.9 | -4.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 5.7 | -7.7 | | EMISSION, IC PLASMA | 3 |
| 77 | 7.1 | 15.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 7.5 | 21.5 | | OTHER | |
| 81 | 10.5 | 70.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 7.0 | 13.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 6.8 | 10.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 6.2 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 5.8 | -6.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 87 | 6.2 | 0.4 | | OTHER | |
| 90 | 6.1 | -1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 5.5 | -10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 6.1 | -1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 97 | 5.3 | -14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | 5.9 | -4.4 | | EMISSION, IC PLASMA | 3 |
| 99 | 6.0 | -2.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 6.0 | -2.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 5.9 | -4.4 | | EMISSION, IC PLASMA | 3 |
| 104 | 6.1 | -1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 105 | 7.0 | 13.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 5.7 | -7.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 7.0 | 13.4 | | EMISSION, IC PLASMA | 3 |
| 111 | 5.2 | -15.8 | | NOT REPORTED | |
| 112 | 6.2 | 0.4 | | EMISSION, IC PLASMA | 3 |
| 113 | 5.6 | -9.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 7.0 | 13.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 6.0 | -2.8 | | OTHER | |
| 122 | 15.6 | 152.7 | REJECT | NOT REPORTED | |
| 123 | 5.7 | -7.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | 5.7 | -7.7 | | EMISSION, IC PLASMA | 3 |

70 Labs had a total range of 2.1 to 15.6 and a mean of 6.17
with a standard deviation of 0.63 and a 95% confidence interval of the mean +/- 0.16.

Table 10 Standard Reference Water Sample M94 Report for MG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 48 | 2.7 | | EMISSION, IC PLASMA | 3,5 |
| 8 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 9 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 44 | -5.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 45 | -3.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 30 | -35.8 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 24 | 44 | -5.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 97 | 107.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 47 | 0.6 | | NOT REPORTED | |
| 34 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 45 | -3.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 51 | 9.1 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 46 | -1.6 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 42 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 51 | 9.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 44 | -5.9 | | TITRATION, EDTA | 2 |
| 47 | 49 | 4.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 47 | 0.6 | | EMISSION, IC PLASMA | 3,5 |
| 49 | 46 | -1.6 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 34 | -27.3 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 52 | 47 | 0.6 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 54 | 15.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 45 | -3.7 | | EMISSION, IC PLASMA | 3,5 |
| 56 | 61 | 30.5 | REJECT | TITRATION, EDTA | 2 |
| 57 | 47 | 0.6 | | EMISSION, IC PLASMA | 3,5 |
| 59 | 58 | 24.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 50 | 7.0 | | EMISSION, IC PLASMA | 3,5 |
| 62 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 42 | -10.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 64 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 68 | 50 | 7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 70 | 44 | -5.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 46 | -1.6 | | EMISSION, IC PLASMA | 3,5 |
| 77 | 51 | 9.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 47 | 0.6 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 45 | -3.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 51 | 9.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 84 | 61 | 30.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 87 | 46 | -1.6 | | OTHER | |
| 90 | 42 | -10.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 44 | -5.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 47 | 0.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 97 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | 41 | -12.3 | | EMISSION, IC PLASMA | 3,5 |
| 99 | 44 | -5.9 | | TITRATION, EDTA | 2 |
| 102 | 42 | -10.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 48 | 2.7 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 49 | 4.8 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 105 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 46 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 45 | -3.7 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 48 | 2.7 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 48 | 2.7 | | OTHER | |
| 113 | 44 | -5.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 50 | 7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 47 | 0.6 | | TITRATION, EDTA | 2 |
| 122 | 44 | -5.9 | | NOT REPORTED | |
| 123 | 48 | 2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 55 | 17.7 | REJECT | OTHER | |
| 142 | 46 | -1.6 | | EMISSION, IC PLASMA | 3,5 |

73 Labs had a total range of 30 to 97 and a mean of 46.7
with a standard deviation of 2.4 and a 95% confidence interval of the mean +/- 0.6.

Table 10 Standard Reference Water Sample M94 Report for NA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 142 | 2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 135 | -2.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | 143 | 3.3 | | EMISSION, FLAME | 1,2 |
| 6 | 138 | -0.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 152 | 9.8 | | EMISSION, IC PLASMA | 3,5 |
| 8 | 145 | 4.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 135 | -2.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 132 | -4.6 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 105 | -24.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 128 | -7.5 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 142 | 2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 122 | -11.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 139 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 148 | 6.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 138 | -0.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 135 | -2.5 | | NOT REPORTED | |
| 34 | 149 | 7.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 144 | 4.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 121 | -12.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 145 | 4.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 135 | -2.5 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 131 | -5.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 42 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 145 | 4.8 | | EMISSION, FLAME | 1,2 |
| 47 | 130 | -6.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 140 | 1.2 | | EMISSION, IC PLASMA | 3,5 |
| 49 | 135 | -2.5 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 139 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 52 | 138 | -0.3 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 139 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 134 | -3.2 | | EMISSION, IC PLASMA | 3,5 |
| 56 | 133 | -3.9 | | EMISSION, FLAME | 1,2 |
| 57 | 137 | -1.0 | | EMISSION, IC PLASMA | 3,5 |
| 59 | 163 | 17.8 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 140 | 1.2 | | EMISSION, IC PLASMA | 3,5 |
| 62 | 144 | 4.0 | | EMISSION, FLAME | 1,2 |
| 63 | 201 | 45.2 | REJECT | EMISSION, FLAME | 1,2 |
| 64 | 133 | -3.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 68 | 139 | 0.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 70 | 142 | 2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 150 | 8.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 147 | 6.2 | | EMISSION, IC PLASMA | 3,5 |
| 77 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 141 | 1.9 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 123 | -11.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 137 | -1.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 174 | 25.7 | REJECT | EMISSION, FLAME | 1,2 |
| 85 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 87 | 138 | -0.3 | | OTHER | |
| 90 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 91 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 138 | -0.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 97 | 137 | -1.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | 126 | -9.0 | | EMISSION, IC PLASMA | 3,5 |
| 99 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 135 | -2.5 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 142 | 2.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 105 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 130 | -6.1 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 142 | 2.6 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 144 | 4.0 | | OTHER | |
| 113 | 135 | -2.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 143 | 3.3 | | EMISSION, FLAME | 1,2 |
| 122 | 145 | 4.8 | | NOT REPORTED | |
| 123 | 140 | 1.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 160 | 15.6 | REJECT | OTHER | |
| 142 | 130 | -6.1 | | EMISSION, IC PLASMA | 3,5 |

74 Labs had a total range of 105 to 201 and a mean of 138.4
with a standard deviation of 6.1 and a 95% confidence interval of the mean +/- 1.5.

Table 10 Standard Reference Water Sample M94 Report for NO2-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <0.020 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 6 | <0.002 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 7 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 8 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 12 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 13 | 0.002 | -67.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 14 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 15 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 19 | 0.006 | -1.6 | | ION CHROMATOGRAPHY | 2,3,6 |
| 20 | <0.010 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 22 | <0.200 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 23 | 0.002 | -67.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 24 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 27 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 29 | 0.010 | 63.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 30 | <0.005 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 34 | <0.000 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 36 | <0.005 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 37 | <0.005 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 38 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 40 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 41 | 0.480 | 7768.9 | REJECT | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 42 | 0.002 | -67.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 43 | <0.020 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 44 | 3.400 | 6E+04 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 46 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 48 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 50 | 0.020 | 227.9 | | NOT REPORTED | |
| 53 | <0.020 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 54 | <0.050 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 56 | 0.003 | -50.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 57 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 58 | 0.017 | 178.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 64 | 0.001 | -83.6 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 65 | <0.001 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 73 | 0.003 | -50.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 74 | <0.020 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 79 | 0.003 | -50.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 81 | <0.050 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 83 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 85 | 0.010 | 63.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 86 | 0.002 | -67.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 91 | 0.003 | -50.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 93 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 95 | 0.003 | -50.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 98 | <0.020 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 99 | 0.004 | -34.4 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 108 | <0.010 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 112 | 0.010 | 63.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 113 | 0.009 | 47.5 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 121 | <0.010 | | IGNORED | OTHER | |
| 142 | <0.100 | | IGNORED | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |

52 Labs had a total range of 0.001 to 3.400 and a mean of .0061
with a standard deviation of .0055 and a 95% confidence interval of the mean +/- .0027.

Table 10 Standard Reference Water Sample M94 Report for NO3-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | Acronyms |
|---|---|---|---|---|---|
| 1 | 3.3 | -24.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 2 | 4.8 | 10.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 4 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 6 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 7 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 8 | 4.9 | 12.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 9 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 12 | 4.7 | 7.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 13 | 4.5 | 3.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 14 | 4.6 | 5.5 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 15 | 4.1 | -5.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 19 | 22.8 | 423.1 | REJECT | ION CHROMATOGRAPHY | 2,3,6,7 |
| 20 | 0.6 | -86.2 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 22 | 4.3 | -1.4 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 23 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 24 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 25 | 4.7 | 7.8 | | OTHER | |
| 27 | 3.8 | -12.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 29 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 30 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 33 | 4.5 | 3.2 | | NOT REPORTED | |
| 34 | 4.1 | -5.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 36 | 4.6 | 5.5 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 37 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 38 | 4.6 | 5.5 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 40 | 5.0 | 14.7 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 41 | 4.1 | -5.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 42 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 43 | 5.2 | 19.3 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 45 | 4.2 | -3.6 | | OTHER | |
| 46 | 3.6 | -17.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 47 | 4.9 | 12.4 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 48 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 50 | 4.4 | 0.9 | | NOT REPORTED | |
| 52 | 4.2 | -3.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 53 | 4.1 | -5.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 54 | 4.2 | -3.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 56 | 5.2 | 19.3 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 57 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 58 | 3.9 | -10.5 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 59 | 3.8 | -12.8 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 62 | 4.0 | -8.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 63 | 5.0 | 14.7 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 64 | 4.5 | 3.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 65 | 4.4 | 0.9 | | OTHER | |
| 68 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 70 | 3.6 | -17.4 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 72 | 4.3 | -1.4 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 73 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 74 | 4.2 | -3.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 79 | 3.5 | -19.7 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 80 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 81 | 5.4 | 23.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 82 | 4.0 | -8.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 83 | 4.8 | 10.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 84 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 85 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 86 | 4.4 | 0.9 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 87 | 4.5 | 3.2 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 90 | 6.4 | 46.8 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 91 | 3.9 | -10.5 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 93 | 4.8 | 10.1 | | OTHER | |
| 95 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 97 | 4.5 | 3.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 98 | 4.8 | 10.1 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 99 | 4.3 | -1.4 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 103 | 4.4 | 0.9 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 104 | 3.5 | -19.7 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 105 | 3.8 | -12.8 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 107 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 108 | 4.5 | 3.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 112 | 4.0 | -8.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 118 | 4.3 | -1.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 121 | 4.4 | 0.9 | | OTHER | |
| 123 | 5.0 | 14.7 | | OTHER | |
| 142 | 4.6 | 5.5 | | ION CHROMATOGRAPHY | 2,3,6,7 |

76 Labs had a total range of 0.6 to 22.8 and a mean of 4.36
with a standard deviation of 0.40 and a 95% confidence interval of the mean +/- 0.09.

Table 10 Standard Reference Water Sample M94 Report for P, TOTAL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 1.01 | -12.2 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 2 | 1.13 | -1.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 3 | 1.18 | 2.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 4 | 1.14 | -0.9 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 6 | 1.17 | 1.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 7 | 1.15 | -0.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 8 | 1.12 | -2.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 9 | 1.12 | -2.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 12 | 1.00 | -13.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 13 | 1.26 | 9.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 14 | 1.03 | -10.5 | | NOT REPORTED | |
| 15 | 1.17 | 1.7 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 20 | 0.06 | -94.8 | REJECT | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 22 | 1.00 | -13.1 | | EMISSION, IC PLASMA | 3,5 |
| 23 | 1.18 | 2.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 24 | 1.42 | 23.4 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 29 | 1.27 | 10.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 30 | 1.18 | 2.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 33 | 1.00 | -13.1 | | NOT REPORTED | |
| 34 | 1.08 | -6.2 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 37 | 1.09 | -5.3 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 38 | 1.10 | -4.4 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 40 | 1.15 | -0.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 41 | 1.16 | 0.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 42 | 3.49 | 203.3 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 43 | 1.15 | -0.1 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 44 | 1.02 | -11.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 47 | 1.40 | 21.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 48 | 1.18 | 2.5 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 49 | 1.21 | 5.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 53 | 1.16 | 0.8 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 54 | 1.14 | -0.9 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 56 | 0.04 | -96.5 | REJECT | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 57 | 1.10 | -4.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 58 | 1.03 | -10.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 59 | 1.22 | 6.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 63 | 7.00 | 508.3 | REJECT | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 64 | 1.15 | -0.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 65 | 1.11 | -3.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 69 | 1.07 | -7.0 | | OTHER | |
| 72 | 1.10 | -4.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 73 | 1.22 | 6.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 74 | 1.19 | 3.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 79 | 0.60 | -47.9 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 80 | 1.12 | -2.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 81 | 0.82 | -28.7 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 82 | 1.16 | 0.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 83 | 1.10 | -4.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 84 | 1.16 | 0.8 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 85 | 1.20 | 4.3 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 86 | 1.10 | -4.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 87 | 1.20 | 4.3 | | OTHER | |
| 90 | 1.70 | 47.7 | REJECT | OTHER | |
| 91 | 1.00 | -13.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 93 | 1.00 | -13.1 | | OTHER | |
| 95 | 1.17 | 1.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 97 | 1.21 | 5.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 98 | 1.15 | -0.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 99 | 1.15 | -0.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 104 | 1.24 | 7.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 105 | 0.57 | -50.5 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 107 | 1.18 | 2.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 108 | 1.47 | 27.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 110 | 1.50 | 30.3 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 1.24 | 7.8 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 1.10 | -4.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 113 | 0.34 | -70.5 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 118 | 1.19 | 3.4 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2SO4, PHOSPHOMOLYBDATE | 4 |
| 121 | 1.08 | -6.2 | | OTHER | |
| 127 | 1.20 | 4.3 | | OTHER | |
| 142 | 1.20 | 4.3 | | EMISSION, IC PLASMA | 3,5 |

71 Labs had a total range of 0.04 to 7.00 and a mean of 1.151
with a standard deviation of 0.111 and a 95% confidence interval of the mean +/- 0.028.

Table 10 Standard Reference Water Sample M94 Report for PH

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 2 | 8.62 | 0.6 | | ELECTROMETRIC | 1,2,3,4 |
| 3 | 8.54 | -0.4 | | ELECTROMETRIC | 1,2,3,4 |
| 4 | 8.56 | -0.1 | | ELECTROMETRIC | 1,2,3,4 |
| 6 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 7 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 8 | 8.44 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 9 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 12 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 13 | 8.68 | 1.3 | | ELECTROMETRIC | 1,2,3,4 |
| 14 | 8.40 | -2.0 | | ELECTROMETRIC | 1,2,3,4 |
| 15 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 16 | 8.67 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 19 | 8.21 | -4.2 | REJECT | ELECTROMETRIC | 1,2,3,4 |
| 20 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 22 | 8.65 | 0.9 | | ELECTROMETRIC | 1,2,3,4 |
| 23 | 8.46 | -1.3 | | ELECTROMETRIC | 1,2,3,4 |
| 24 | 8.64 | 0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 25 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 27 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 29 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 30 | 8.58 | 0.1 | | ELECTROMETRIC | 1,2,3,4 |
| 33 | 7.70 | -10.2 | REJECT | NOT REPORTED | |
| 34 | 8.65 | 0.9 | | ELECTROMETRIC | 1,2,3,4 |
| 36 | 8.69 | 1.4 | | ELECTROMETRIC | 1,2,3,4 |
| 37 | 8.70 | 1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 38 | 8.55 | -0.2 | | ELECTROMETRIC | 1,2,3,4 |
| 40 | 8.68 | 1.3 | | ELECTROMETRIC | 1,2,3,4 |
| 41 | 8.00 | -6.7 | REJECT | ELECTROMETRIC | 1,2,3,4 |
| 42 | 8.57 | -0.0 | | ELECTROMETRIC | 1,2,3,4 |
| 43 | 8.70 | 1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 44 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 46 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 47 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 48 | 8.55 | -0.2 | | ELECTROMETRIC | 1,2,3,4 |
| 49 | 8.64 | 0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 50 | 8.57 | -0.0 | | NOT REPORTED | |
| 52 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 53 | 8.44 | -1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 54 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 56 | 8.65 | 0.9 | | ELECTROMETRIC | 1,2,3,4 |
| 57 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 58 | 8.59 | 0.2 | | ELECTROMETRIC | 1,2,3,4 |
| 59 | 8.59 | 0.2 | | ELECTROMETRIC | 1,2,3,4 |
| 62 | 8.24 | -3.9 | REJECT | ELECTROMETRIC | 1,2,3,4 |
| 63 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 64 | 8.80 | 2.7 | | ELECTROMETRIC | 1,2,3,4 |
| 68 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 69 | 8.71 | 1.6 | | NOT REPORTED | |
| 70 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 72 | 8.59 | 0.2 | | ELECTROMETRIC | 1,2,3,4 |
| 73 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 74 | 8.32 | -2.9 | | ELECTROMETRIC | 1,2,3,4 |
| 77 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 79 | 8.40 | -2.0 | | ELECTROMETRIC | 1,2,3,4 |
| 80 | 8.47 | -1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 81 | 8.30 | -3.2 | | ELECTROMETRIC | 1,2,3,4 |
| 83 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 84 | 8.51 | -0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 85 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 86 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 87 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 90 | 8.72 | 1.7 | | ELECTROMETRIC | 1,2,3,4 |
| 91 | 8.67 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 93 | 8.67 | 1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 94 | 8.70 | 1.5 | | ELECTROMETRIC | 1,2,3,4 |
| 95 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 97 | 8.53 | -0.5 | | ELECTROMETRIC | 1,2,3,4 |
| 98 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 99 | 8.51 | -0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 102 | 8.35 | -2.6 | | ELECTROMETRIC | 1,2,3,4 |
| 103 | 8.63 | 0.7 | | ELECTROMETRIC | 1,2,3,4 |
| 104 | 8.12 | -5.3 | REJECT | ELECTROMETRIC | 1,2,3,4 |
| 105 | 8.50 | -0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 107 | 8.47 | -1.2 | | ELECTROMETRIC | 1,2,3,4 |
| 108 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 111 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 112 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 113 | 8.45 | -1.4 | | ELECTROMETRIC | 1,2,3,4 |
| 118 | 8.60 | 0.3 | | ELECTROMETRIC | 1,2,3,4 |
| 122 | 8.50 | -0.8 | | NOT REPORTED | |
| 123 | 8.64 | 0.8 | | ELECTROMETRIC | 1,2,3,4 |
| 124 | 8.50 | -0.8 | | NOT REPORTED | |
| 142 | 8.36 | -2.5 | | ELECTROMETRIC | 1,2,3,4 |

84 Labs had a total range of 7.70 to 8.80 and a mean of 8.571
with a standard deviation of 0.096 and a 95% confidence interval of the mean +/- 0.022.

Table 10 Standard Reference Water Sample M94 Report for SIO2

| Code Number | Reported value | Pct. dev. from mean | Methods | References |
|---|---|---|---|---|
| 1 | 21 | 15.9 | EMISSION, IC PLASMA | 5 |
| 2 | 17 | -6.2 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 6 | 18 | -0.7 | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 8 | 17 | -6.2 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 9 | 16 | -11.7 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 12 | 18 | -0.7 | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 13 | 19 | 4.8 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 14 | 19 | 4.8 | NOT REPORTED | |
| 15 | 19 | 4.8 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 20 | 20 | 10.4 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 22 | 13 | -28.3 | EMISSION, IC PLASMA | 5 |
| 23 | 16 | -11.7 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 24 | 17 | -6.2 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 25 | 17 | -6.2 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 30 | 19 | 4.8 | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 34 | 16 | -11.7 | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 36 | 18 | -0.7 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 38 | 17 | -6.2 | EMISSION, IC PLASMA | 5 |
| 40 | 17 | -6.2 | EMISSION, IC PLASMA | 5 |
| 41 | 14 | -22.7 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 42 | 19 | 4.8 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 47 | 19 | 4.8 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 48 | 19 | 4.8 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 49 | 17 | -6.2 | EMISSION, IC PLASMA | 5 |
| 52 | 18 | -0.7 | EMISSION, IC PLASMA | 5 |
| 54 | 21 | 15.9 | EMISSION, IC PLASMA | 5 |
| 57 | 18 | -0.7 | EMISSION, IC PLASMA | 5 |
| 63 | 25 | 38.0 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 64 | 18 | -0.7 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 68 | 16 | -11.7 | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 73 | 18 | -0.7 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 80 | 18 | -0.7 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 82 | 18 | -0.7 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 83 | 20 | 10.4 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 85 | 19 | 4.8 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 91 | 13 | -28.3 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 93 | 12 | -33.8 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 95 | 19 | 4.8 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 98 | 18 | -0.7 | EMISSION, IC PLASMA | 5 |
| 99 | 21 | 15.9 | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 103 | 17 | -6.2 | EMISSION, IC PLASMA | 5 |
| 104 | 23 | 26.9 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 105 | 17 | -6.2 | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 108 | 19 | 4.8 | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 110 | 24 | 32.4 | EMISSION, IC PLASMA | 5 |
| 112 | 19 | 4.8 | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 118 | 18 | -0.7 | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 123 | 18 | -0.7 | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 4 |
| 142 | 19 | 4.8 | EMISSION, IC PLASMA | 5 |

49 Labs had a total range of 12 to 25 and a mean of 18.1
with a standard deviation of 2.4 and a 95% confidence interval of the mean +/- 0.7.

Table 10 Standard Reference Water Sample M94 Report for SO4

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 380 | 0.6 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 2 | 400 | 5.9 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 4 | 400 | 5.9 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 6 | 370 | -2.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 7 | 455 | 20.5 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 8 | 390 | 3.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 9 | 365 | -3.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 12 | 385 | 2.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 13 | 405 | 7.2 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 14 | 200 | -47.0 | REJECT | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 15 | 340 | -10.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 19 | 295 | -21.9 | REJECT | ION CHROMATOGRAPHY | 2,6,7 |
| 20 | 35 | -90.7 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 22 | 395 | 4.6 | | ION CHROMATOGRAPHY | 2,6,7 |
| 24 | 20 | -94.7 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 25 | 360 | -4.7 | | THORIN TITRATION | 2,4 |
| 27 | 380 | 0.6 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 29 | 410 | 8.6 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 30 | 390 | 3.3 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 33 | 385 | 2.0 | | NOT REPORTED | |
| 34 | 335 | -11.3 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 36 | 385 | 2.0 | | ION CHROMATOGRAPHY | 2,6,7 |
| 37 | 370 | -2.0 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 38 | 350 | -7.3 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 40 | 360 | -4.7 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 41 | 395 | 4.6 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 42 | 355 | -6.0 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 43 | 290 | -23.2 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 45 | 350 | -7.3 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 46 | 390 | 3.3 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 47 | 270 | -28.5 | REJECT | ION CHROMATOGRAPHY | 2,6,7 |
| 48 | 405 | 7.2 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 49 | 390 | 3.3 | | ION CHROMATOGRAPHY | 2,6,7 |
| 50 | 385 | 2.0 | | NOT REPORTED | |
| 52 | 380 | 0.6 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 53 | 360 | -4.7 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 54 | 365 | -3.3 | | ION CHROMATOGRAPHY | 2,6,7 |
| 56 | 375 | -0.7 | | ION CHROMATOGRAPHY | 2,6,7 |
| 57 | 375 | -0.7 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 58 | 385 | 2.0 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 59 | 365 | -3.3 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 62 | 385 | 2.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 63 | 240 | -36.4 | REJECT | ION CHROMATOGRAPHY | 2,6,7 |
| 68 | 380 | 0.6 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 70 | 380 | 0.6 | | OTHER | |
| 72 | 320 | -15.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 77 | 380 | 0.6 | | THORIN TITRATION | 2,4 |
| 79 | 405 | 7.2 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 80 | 375 | -0.7 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 81 | 310 | -17.9 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 83 | 380 | 0.6 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 84 | 260 | -31.1 | REJECT | COLORIMETRIC, CHLORANILATE | 3 |
| 85 | 390 | 3.3 | | THORIN TITRATION | 2,4 |
| 86 | 350 | -7.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 87 | 400 | 5.9 | | ION CHROMATOGRAPHY | 2,6,7 |
| 90 | 170 | -55.0 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 91 | 390 | 3.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 93 | 370 | -2.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 97 | 365 | -3.3 | | COLORIMETRIC, CHLORANILATE | 3 |
| 98 | 380 | 0.6 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 99 | 355 | -6.0 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 102 | 135 | -64.3 | REJECT | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 103 | 385 | 2.0 | | ION CHROMATOGRAPHY | 2,6,7 |
| 104 | 405 | 7.2 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 105 | 375 | -0.7 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 107 | 390 | 3.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 108 | 400 | 5.9 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 112 | 370 | -2.0 | | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 118 | 390 | 3.3 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 121 | 375 | -0.7 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 122 | 360 | -4.7 | | NOT REPORTED | |
| 123 | 380 | 0.6 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 142 | 370 | -2.0 | | ION CHROMATOGRAPHY | 2,6,7 |

73 Labs had a total range of 20 to 455 and a mean of 377.6
with a standard deviation of 18.4 and a 95% confidence interval of the mean +/- 4.7.

Table 10 Standard Reference Water Sample M94 Report for SP. COND.

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 1300 | -2.3 | | DIRECT READING INSTRUMENT | 4 |
| 2 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 3 | 1450 | 9.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 4 | 1180 | -11.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 6 | 1350 | 1.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 7 | 1280 | -3.8 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 8 | 1360 | 2.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 9 | 1260 | -5.3 | | DIRECT READING INSTRUMENT | 4 |
| 12 | 1410 | 6.0 | | DIRECT READING INSTRUMENT | 4 |
| 13 | 1360 | 2.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 14 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 15 | 1300 | -2.3 | | DIRECT READING INSTRUMENT | 4 |
| 16 | 1380 | 3.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 19 | 940 | -29.4 | REJECT | DIRECT READING INSTRUMENT | 4 |
| 20 | 1300 | -2.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 22 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 23 | 1390 | 4.4 | | DIRECT READING INSTRUMENT | 4 |
| 24 | 1320 | -0.8 | | DIRECT READING INSTRUMENT | 4 |
| 25 | 1350 | 1.4 | | DIRECT READING INSTRUMENT | 4 |
| 27 | 1260 | -5.3 | | DIRECT READING INSTRUMENT | 4 |
| 29 | 1170 | -12.1 | | DIRECT READING INSTRUMENT | 4 |
| 30 | 1360 | 2.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 33 | 1400 | 5.2 | | NOT REPORTED | |
| 34 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 36 | 1350 | 1.4 | | DIRECT READING INSTRUMENT | 4 |
| 37 | 1340 | 0.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 38 | 1390 | 4.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 40 | 720 | -45.9 | REJECT | DIRECT READING INSTRUMENT | 4 |
| 41 | 1380 | 3.7 | | DIRECT READING INSTRUMENT | 4 |
| 43 | 1310 | -1.6 | | DIRECT READING INSTRUMENT | 4 |
| 46 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 47 | 1270 | -4.6 | | DIRECT READING INSTRUMENT | 4 |
| 48 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 49 | 1390 | 4.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 50 | 1400 | 5.2 | | NOT REPORTED | |
| 52 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 53 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 54 | 1350 | 1.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 56 | 1260 | -5.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 57 | 1350 | 1.4 | | DIRECT READING INSTRUMENT | 4 |
| 58 | 1330 | -0.1 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 59 | 1250 | -6.1 | | DIRECT READING INSTRUMENT | 4 |
| 62 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 63 | 1410 | 6.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 64 | 1360 | 2.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 68 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 69 | 950 | -28.6 | REJECT | NOT REPORTED | |
| 70 | 1600 | 20.2 | REJECT | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 72 | 1100 | -17.3 | | DIRECT READING INSTRUMENT | 4 |
| 73 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 74 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 77 | 1360 | 2.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 79 | 1360 | 2.2 | | ELECTRODELESS, INDUCTIVE CELL-TYPE | 2 |
| 80 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 81 | 1100 | -17.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 82 | 1380 | 3.7 | | DIRECT READING INSTRUMENT | 4 |
| 83 | 1260 | -5.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 84 | 1200 | -9.8 | | DIRECT READING INSTRUMENT | 4 |
| 85 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 86 | 1180 | -11.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 87 | 1280 | -3.8 | | DIRECT READING INSTRUMENT | 4 |
| 90 | 1100 | -17.3 | | DIRECT READING INSTRUMENT | 4 |
| 91 | 1300 | -2.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 93 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 94 | 1300 | -2.3 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 95 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 97 | 1360 | 2.2 | | DIRECT READING INSTRUMENT | 4 |
| 98 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 99 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 99 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 102 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 103 | 1440 | 8.2 | | DIRECT READING INSTRUMENT | 4 |
| 104 | 1320 | -0.8 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 105 | 1340 | 0.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 107 | 1410 | 6.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 108 | 1330 | -0.1 | | DIRECT READING INSTRUMENT | 4 |
| 111 | 1370 | 2.9 | | DIRECT READING INSTRUMENT | 4 |
| 118 | 1400 | 5.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 123 | 1370 | 2.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 142 | 1400 | 5.2 | | DIRECT READING INSTRUMENT | 4 |

80 Labs had a total range of 720 to 1600 and a mean of 1331
with a standard deviation of 73 and a 95% confidence interval of the mean +/- 17.

Table 10 Standard Reference Water Sample M94 Report for SR

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 1120 | 4.1 | | EMISSION, IC PLASMA | 3,5 |
| 6 | 1100 | 2.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 8 | 1060 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 13 | 1120 | 4.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 15 | 1300 | 20.8 | | OTHER | |
| 22 | 965 | -10.3 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 920 | -14.5 | | ATOMIC ABSORPTION, FLAMELESS | 7 |
| 36 | 860 | -20.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 41 | 690 | -35.9 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 47 | 1030 | -4.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 49 | 1100 | 2.3 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 1000 | -7.0 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 1200 | 11.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 54 | 1220 | 13.4 | | EMISSION, IC PLASMA | 3,5 |
| 57 | 1100 | 2.3 | | EMISSION, IC PLASMA | 3,5 |
| 63 | 32 | -97.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 68 | 1000 | -7.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 73 | 1080 | 0.4 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |
| 80 | 1100 | 2.3 | | ATOMIC ABSORPTION, FLAMELESS | 7 |
| 85 | 980 | -8.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 93 | 1106 | 2.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 98 | 1080 | 0.4 | | EMISSION, IC PLASMA | 3,5 |
| 103 | 1082 | 0.6 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 1100 | 2.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 110 | 1070 | -0.5 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 1 | -99.9 | REJECT | OTHER | |
| 127 | 1100 | 2.3 | | OTHER | |
| 142 | 1100 | 2.3 | | EMISSION, IC PLASMA | 3,5 |

28 Labs had a total range of 1 to 1300 and a mean of 1076
with a standard deviation of 91.7 and a 95% confidence interval of the mean +/- 92.

Table 10 Standard Reference Water Sample M94 Report for V

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 6 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 8 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 13 | 16.4 | 325.4 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 15 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | 101.0 | 2519.6 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 24 | 73.0 | 1793.3 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 10.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | <200.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 47 | 1.4 | -63.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 2.0 | -48.1 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 7.0 | 81.6 | | EMISSION, IC PLASMA | 3,5 |
| 54 | 2.7 | -30.0 | | EMISSION, IC PLASMA | 3,5 |
| 57 | 1.0 | -74.1 | | COLORIMETRIC, CATALYTIC OXIDATION | 4 |
| 63 | < 40.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 73 | 6.0 | 55.6 | | EMISSION, IC PLASMA | 3,5 |
| 80 | 2.0 | -48.1 | | EMISSION, IC PLASMA | 3,5 |
| 83 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 93 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 98 | < 3.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 2.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 200.0 | 5087.3 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 110 | 10.0 | 159.4 | | EMISSION, IC PLASMA | 3,5 |
| 127 | < 20.0 | | IGNORED | OTHER | |
| 142 | 2.6 | -32.6 | | EMISSION, IC PLASMA | 3,5 |

24 Labs had a total range of 1.0 to 200.0 and a mean of 3.86
with a standard deviation of 3.09 and a 95% confidence interval of the mean +/- 2.37.

Table 11. Statistics by method for standard reference sample M94

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| ALK(CACO3) | 'TITRATION, COLORIMETRIC' | 215.000 | 280.000 | 247.750 | 12.456 | 20 |
| | 'TITRATION, ELECTROMETRIC' | 222.000 | 500.000 | 243.413 | 7.658 | 46 |
| | NOT REPORTED | 225.000 | 239.000 | 233.000 | 7.211 | 3 |
| | OTHER | 240.000 | 246.000 | 243.250 | 2.754 | 4 |
| | _OVER-ALL_ | 215.000 | 500.000 | 244.070 | 7.782 | 71 |
| B | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 2000.000 | -2000.000 | -------- | ------ | - |
| | COLORIMETRIC, AZOMETHINE | 215.000 | 250.000 | 231.250 | 14.361 | 4 |
| | COLORIMETRIC, CARMINE (CARMINIC ACID) | 200.000 | 480.000 | 366.667 | 147.422 | 3 |
| | COLORIMETRIC, CURCUMIN | 60.000 | 313.000 | 220.250 | 80.688 | 8 |
| | EMISSION, DC PLASMA | 216.000 | 257.000 | -------- | ------ | - |
| | EMISSION, IC PLASMA | 141.000 | 262.000 | 211.385 | 29.293 | 13 |
| | _OVER-ALL_ | 60.000 | -2000.000 | 223.857 | 35.345 | 28 |
| BR | ION CHROMATOGRAPHY | 230.000 | 420.000 | 365.333 | 75.807 | 6 |
| | _OVER-ALL_ | 0.000 | -5900.000 | 393.000 | 210.514 | 9 |
| CA | ATOMIC ABSORPTION, DIRECT, AIR | 79.000 | 143.000 | 99.395 | 7.678 | 38 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 96.000 | 112.000 | 101.833 | 5.382 | 6 |
| | EMISSION, IC PLASMA | 90.000 | 113.000 | 101.588 | 5.001 | 17 |
| | OTHER | 10.000 | 110.000 | 100.500 | 7.047 | 4 |
| | TITRATION, EDTA | 104.000 | 180.000 | 106.500 | 1.915 | 4 |
| | _OVER-ALL_ | 10.000 | 180.000 | 100.465 | 6.897 | 71 |
| CL | COLORIMETRIC, FERRIC THIOCYANATE | 46.000 | 92.000 | 65.120 | 2.743 | 25 |
| | ION CHROMATOGRAPHY | 59.000 | 74.000 | 65.364 | 4.081 | 11 |
| | NOT REPORTED | 57.000 | 63.000 | 59.667 | 3.055 | 3 |
| | TITRATION, MERCURIC NITRATE | 63.000 | 70.000 | 65.471 | 2.183 | 17 |
| | TITRATION, SILVER NITRATE | 50.000 | 76.000 | 65.733 | 2.017 | 15 |
| | _OVER-ALL_ | 6.000 | 92.000 | 65.041 | 2.997 | 73 |
| DSRD 180 | NOT REPORTED | 760.000 | 940.000 | 870.000 | 96.437 | 3 |
| | RESIDUE ON EVAPORATION | 92.000 | -1074.000 | 968.462 | 46.053 | 26 |
| | RESIDUE, FILTRABLE | 312.000 | 994.000 | 950.161 | 19.241 | 31 |
| | _OVER-ALL_ | 92.000 | -1074.000 | 948.517 | 27.370 | 60 |
| F | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 2.100 | 2.500 | 2.333 | 0.208 | 3 |
| | COLORIMETRIC, SPADNS | 2.300 | 2.600 | 2.467 | 0.153 | 3 |
| | ION CHROMATOGRAPHY | 1.600 | 2.900 | 2.344 | 0.397 | 9 |
| | ION SELECTIVE ELECTRODE | 2.100 | 3.000 | 2.280 | 0.118 | 35 |
| | _OVER-ALL_ | 1.600 | 3.400 | 2.304 | 0.134 | 53 |
| K | ATOMIC ABSORPTION, DIRECT, AIR | 4.700 | 10.500 | 6.212 | 0.614 | 43 |
| | EMISSION, FLAME, PHOTOMETRIC | 2.100 | 9.000 | 6.183 | 2.347 | 6 |
| | EMISSION, IC PLASMA | 5.000 | 7.000 | 5.992 | 0.494 | 12 |
| | NOT REPORTED | 5.200 | 15.600 | 5.500 | 0.361 | 3 |
| | OTHER | 6.000 | 7.500 | 6.567 | 0.814 | 3 |
| | _OVER-ALL_ | 2.100 | 15.600 | 6.172 | 0.630 | 65 |
| MG | ATOMIC ABSORPTION, DIRECT, AIR | 34.000 | 97.000 | 46.868 | 2.462 | 38 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 42.000 | 51.000 | 47.200 | 3.421 | 5 |
| | EMISSION, IC PLASMA | 30.000 | 51.000 | 46.750 | 2.236 | 16 |
| | OTHER | 46.000 | 55.000 | 49.667 | 4.726 | 3 |
| | TITRATION, EDTA | 44.000 | 61.000 | 49.000 | 8.124 | 4 |
| | _OVER-ALL_ | 30.000 | 97.000 | 46.742 | 2.394 | 66 |
| NA | ATOMIC ABSORPTION, DIRECT, AIR | 105.000 | 163.000 | 138.558 | 6.076 | 43 |
| | EMISSION, FLAME | 133.000 | 201.000 | 154.714 | 24.047 | 7 |
| | EMISSION, IC PLASMA | 126.000 | 152.000 | 136.588 | 6.746 | 17 |
| | OTHER | 138.000 | 160.000 | 147.333 | 11.372 | 3 |
| | _OVER-ALL_ | 105.000 | 201.000 | 138.406 | 6.146 | 69 |
| NO2-N | COLORIMETRIC, DIAZOTIZATION | 0.001 | 0.480 | 0.004 | 0.003 | 15 |
| | ION CHROMATOGRAPHY | 0.006 | 3.400 | ----- | ----- | - |
| | _OVER-ALL_ | 0.001 | 3.400 | 0.006 | 0.006 | 18 |
| NO3-N | COLORIMETRIC, BRUCINE | 3.600 | 5.200 | 4.467 | 0.668 | 6 |
| | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 0.600 | 5.400 | 4.288 | 0.379 | 50 |
| | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3.900 | 5.200 | 4.550 | 0.569 | 4 |
| | ION CHROMATOGRAPHY | 4.300 | 22.800 | 4.480 | 0.130 | 5 |
| | OTHER | 4.200 | 5.000 | 4.583 | 0.299 | 6 |
| | _OVER-ALL_ | 0.600 | 22.800 | 4.359 | 0.402 | 73 |
| P, TOTAL | COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 0.340 | 3.490 | 1.142 | 0.067 | 40 |
| | COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE | 0.040 | 7.000 | 0.962 | 0.446 | 12 |
| | EMISSION, IC PLASMA | 1.000 | 1.500 | 1.235 | 0.206 | 4 |
| | OTHER | 1.000 | 1.700 | 1.110 | 0.088 | 5 |
| | _OVER-ALL_ | 0.040 | 7.000 | 1.151 | 0.111 | 63 |
| PH | ELECTROMETRIC | 8.000 | 8.800 | 8.571 | 0.097 | 75 |
| | NOT REPORTED | 7.700 | 8.710 | 8.570 | 0.099 | 4 |
| | _OVER-ALL_ | 7.700 | 8.800 | 8.571 | 0.096 | 79 |
| SIO2 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 12.000 | 23.000 | 17.444 | 3.283 | 9 |
| | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 18.000 | 25.000 | 18.625 | 0.744 | 8 |
| | COLORIMETRIC, MOLYBDOSILICIC ACID | 13.000 | 19.000 | 17.875 | 1.126 | 8 |
| | COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE | 16.000 | 19.000 | 17.200 | 1.304 | 5 |
| | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 18.000 | 21.000 | 19.000 | 1.414 | 4 |
| | EMISSION, IC PLASMA | 13.000 | 24.000 | 18.333 | 2.741 | 12 |
| | _OVER-ALL_ | 12.000 | 25.000 | 18.122 | 2.429 | 49 |
| SO4 | COLORIMETRIC, METHYL THYMOL BLUE | 20.000 | 455.000 | 376.905 | 29.895 | 21 |
| | GRAVIMETRIC, BARIUM SULFATE | 200.000 | 405.000 | 377.500 | 17.928 | 8 |
| | ION CHROMATOGRAPHY | 240.000 | 400.000 | 351.818 | 55.959 | 11 |
| | NOT REPORTED | 360.000 | 385.000 | 385.000 | 14.434 | 2 |
| | THORIN TITRATION | 360.000 | 390.000 | 376.667 | 15.275 | 3 |
| | TURBIDIMETRIC, BARIUM SULFATE | 35.000 | 410.000 | 377.500 | 22.311 | 18 |
| | _OVER-ALL_ | 20.000 | 455.000 | 377.623 | 18.430 | 62 |

Table 11. Statistics by method for standard reference sample M94

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| SP. COND. | DIRECT READING INSTRUMENT | 720.000 | -1440.000 | 1322.308 | 75.931 | 39 |
| | NOT REPORTED | 950.000 | -1400.000 | 1400.000 | 0.000 | 2 |
| | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1100.000 | -1600.000 | 1342.727 | 59.491 | 33 |
| | _OVER-ALL_ | 720.000 | -1600.000 | 1330.789 | 73.353 | 76 |
| SR | ATOMIC ABSORPTION, DIRECT, AIR | 32.000 | -1200.000 | 1022.364 | 141.681 | 11 |
| | EMISSION, IC PLASMA | 965.000 | -1220.000 | 1083.700 | 68.307 | 10 |
| | OTHER | 1.000 | -1300.000 | 800.333 | 699.429 | 3 |
| | _OVER-ALL_ | 1.000 | -1300.000 | 1075.720 | 91.662 | 25 |
| V | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 200.000 | - 200.000 | ------- | ------- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 1.400 | - 73.000 | ------ | ------ | - |
| | EMISSION, IC PLASMA | 2.000 | - 101.000 | 6.088 | 5.065 | 8 |
| | _OVER-ALL_ | 1.000 | - 200.000 | 3.856 | 3.087 | 9 |

Table 12 Standard Reference Water Sample T95 Report for ACID@CACO3

| Code Number | Reported value | Pct. dev. from mean | Methods | References |
|---|---|---|---|---|
| 8 | 1170 | 0.9 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 19 | 1150 | -0.8 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 30 | 1160 | 0.1 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 37 | 1200 | 3.5 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 38 | 1100 | -5.1 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 41 | 1160 | 0.1 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 48 | 1120 | -3.4 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 54 | 1160 | 0.1 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 80 | 1150 | -0.8 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 83 | 1160 | 0.1 | 'TITRATION, COLORIMETRIC' | 1,2,3 |
| 96 | 1220 | 5.2 | 'TITRATION, COLORIMETRIC' | 1,2,3 |
| 102 | 1130 | -2.5 | OTHER | 1,2,3 |
| 104 | 1150 | -0.8 | 'TITRATION, COLORIMETRIC' | 1,2,3 |
| 112 | 1200 | 3.5 | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |

14 Labs had a total range of 1100 to 1220 and a mean of 1159
with a standard deviation of 32 and a 95% confidence interval of the mean +/- 18.

Table 12 Standard Reference Water Sample T95 Report for AG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | 0.8 | -54.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 4 | < 25.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 7 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 8 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 9 | 5.0 | 185.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 10 | < 0.3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | 0.1 | -94.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 2.7 | 54.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 20 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 22 | < 20.0 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 24 | 1.4 | -20.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | 2.0 | 14.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 2.5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 30 | 3.0 | 71.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 2.0 | 14.1 | | EMISSION, IC PLASMA | 3 |
| 34 | < 1.0 | | IGNORED | OTHER | |
| 36 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 37 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 1.0 | -42.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 43 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 46 | 0.2 | -88.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 1.2 | -31.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 1.0 | -42.9 | | EMISSION, IC PLASMA | 3 |
| 50 | < 6.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 54 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,2,4 |
| 56 | 0.7 | -60.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,2,4 |
| 58 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 59 | 3.2 | 82.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 63 | 2.0 | 14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 70 | 10.0 | 470.6 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 73 | 1.0 | -42.9 | | NOT REPORTED | |
| 74 | 4.4 | 151.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 76 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 81 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 84 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 90 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 93 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 94 | 90.0 | 5035.2 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 96 | 1.5 | -14.4 | | OTHER | |
| 98 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 103 | < 2.0 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 104 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 110 | 560.0 | 3E+04 | REJECT | EMISSION, IC PLASMA | 3 |
| 118 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 122 | 0.1 | -94.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | < 20.0 | | IGNORED | NOT REPORTED | |
| 127 | < 1.0 | | IGNORED | OTHER | |
| 142 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |

56 Labs had a total range of 0.1 to 560.0 and a mean of 1.75
with a standard deviation of 1.38 and a 95% confidence interval of the mean +/- 0.67.

Table 12 Standard Reference Water Sample T95 Report for AL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 30 | -70.7 | | ATOMIC ABSORPTION, CHELATION EXTRACTION, NITROUS OXIDE | 2,4 |
| 4 | < 1000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 6 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 7 | < 80 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 9 | 190 | 85.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 13 | 180 | 75.9 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 30 | -70.7 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 18 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, CHELATION EXTRACTION, NITROUS OXIDE | 2,4 |
| 22 | < 100 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 50 | -51.1 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 25 | 260 | 154.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 30 | 110 | 7.5 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 33 | < 100 | | IGNORED | NOT REPORTED | |
| 34 | 90 | -12.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 36 | < 100 | | IGNORED | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 37 | 30 | -70.7 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 38 | 690 | 574.4 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 40 | 80 | -21.8 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 41 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 46 | 50 | -51.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 47 | 50 | -51.1 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 48 | < 10 | | IGNORED | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 49 | 30 | -70.7 | | EMISSION, IC PLASMA | 3,5 |
| 51 | 40 | -60.9 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 53 | < 500 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 54 | 20 | -80.5 | | ATOMIC ABSORPTION, CHELATION EXTRACTION, AIR-ACETYLENE | 1 |
| 57 | 30 | -70.7 | | EMISSION, DC PLASMA | 7 |
| 58 | < 80 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 63 | 420 | 310.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 69 | 10 | -90.2 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 410 | 300.8 | | EMISSION, IC PLASMA | 3,5 |
| 76 | < 50 | | IGNORED | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 83 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 84 | 60 | -41.4 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 93 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 98 | 40 | -60.9 | | EMISSION, IC PLASMA | 3,5 |
| 103 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 100 | -2.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 110 | 200 | 95.5 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 100 | -2.3 | | EMISSION, DC PLASMA | 7 |
| 127 | 20 | -80.5 | | OTHER | |
| 142 | 30 | -70.7 | | EMISSION, IC PLASMA | 3,5 |

44 Labs had a total range of 10 to 690 and a mean of 102
with a standard deviation of 112 and a 95% confidence interval of the mean +/- 45.

Table 12 Standard Reference Water Sample T95 Report for AS

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 2 | 0.6 | -46.1 | | | |
| 4 | < 10.0 | | IGNORED | SPECTROPHOTOMETRIC,SILVER DIETHYL DITHIOCARBAMATE | 2,3,4 |
| 6 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 7 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 8 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 9 | < 8.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 10 | < 3.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 4.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 0.5 | -55.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 20 | < 0.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 22 | < 4.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 24 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 4.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 30 | 0.5 | -55.1 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 34 | < 3.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 36 | 0.6 | -46.1 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 37 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 38 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 41 | 5.0 | 349.4 | REJECT | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 43 | 2.0 | 79.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 46 | 0.2 | -82.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 1.4 | 25.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 0.6 | -46.1 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 53 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 56 | 7.2 | 547.2 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 58 | < 3.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 63 | 1.4 | 25.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 69 | 22.8 | 1949.4 | REJECT | EMISSION, IC PLASMA | 3 |
| 70 | 3.0 | 169.7 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 73 | 14.0 | 1158.4 | REJECT | EMISSION, IC PLASMA | 3 |
| 74 | 1.1 | -1.1 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 76 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE, (ZINC) | 1,2,3,4 |
| 80 | 1.2 | 7.9 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 81 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 84 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 90 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 93 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 96 | < 16.0 | | IGNORED | OTHER | |
| 98 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 104 | 1.6 | 43.8 | | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 107 | 2.0 | 79.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 108 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 1,4 |
| 110 | 90.0 | 7989.9 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 118 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 0.6 | -46.1 | | OTHER | |
| 122 | 0.5 | -55.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 127 | < 4.0 | | IGNORED | OTHER | |
| 142 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |

57 Labs had a total range of 0.2 to 90.0 and a mean of 1.11
with a standard deviation of 0.76 and a 95% confidence interval of the mean +/- 0.40.

Table 12 Standard Reference Water Sample T95 Report for B

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 1210 | 10.9 | | EMISSION, IC PLASMA | 3 |
| 2 | 630 | -42.2 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 8 | 190 | -82.6 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 15 | 2000 | 83.4 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 22 | 1050 | -3.7 | | EMISSION, IC PLASMA | 3 |
| 25 | 1190 | 9.1 | | EMISSION, DC PLASMA | 7 |
| 33 | < 100 | | IGNORED | NOT REPORTED | |
| 38 | 1130 | 3.6 | | EMISSION, IC PLASMA | 3 |
| 40 | 1100 | 0.9 | | EMISSION, IC PLASMA | 3 |
| 41 | 380 | -65.2 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 47 | 1000 | -8.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 48 | 1100 | 0.9 | | EMISSION, IC PLASMA | 3 |
| 49 | 1120 | 2.7 | | EMISSION, IC PLASMA | 3 |
| 51 | 1170 | 7.3 | | EMISSION, IC PLASMA | 3 |
| 52 | 1160 | 6.4 | | EMISSION, IC PLASMA | 3 |
| 54 | 1300 | 19.2 | | COLORIMETRIC, AZOMETHINE | 5 |
| 63 | 1600 | 46.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 73 | 1100 | 0.9 | | EMISSION, IC PLASMA | 3 |
| 80 | 1100 | 0.9 | | EMISSION, IC PLASMA | 3 |
| 83 | < 2000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 7 |
| 85 | 1300 | 19.2 | | COLORIMETRIC, DIANTHRIMIDE | 4 |
| 93 | 230 | -78.9 | | COLORIMETRIC, CURCUMIN | 1,2,3,4 |
| 98 | 1250 | 14.6 | | EMISSION, IC PLASMA | 3 |
| 103 | 1060 | -2.8 | | EMISSION, IC PLASMA | 3 |
| 108 | 1000 | -8.3 | | COLORIMETRIC, AZOMETHINE | 5 |
| 110 | 1180 | 8.2 | | EMISSION, IC PLASMA | 3 |
| 111 | 1130 | 3.6 | | EMISSION, IC PLASMA | 3 |
| 112 | 1150 | 5.4 | | EMISSION, DC PLASMA | 7 |
| 124 | 1600 | 46.7 | | NOT REPORTED | |
| 127 | 1100 | 0.9 | | OTHER | |
| 142 | 1100 | 0.9 | | EMISSION, IC PLASMA | 3 |

31 Labs had a total range of 190 to 2000 and a mean of 1091
with a standard deviation of 368 and a 95% confidence interval of the mean +/- 140.

Table 12 Standard Reference Water Sample T95 Report for BA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 50 | 3.3 | | EMISSION, IC PLASMA | 3,5 |
| 4 | < 500 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 6 | 70 | 44.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 8 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 9 | 30 | -38.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 13 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 50 | 3.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 40 | -17.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 18 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 22 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 90 | 86.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 30 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 27 | 190 | 292.7 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 30 | 80 | 65.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 34 | 70 | 44.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 37 | 470 | 871.3 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 50 | 3.3 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 41 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 43 | 350 | 623.3 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 46 | 200 | 313.3 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 47 | 30 | -38.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 51 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 53 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 54 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 57 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 58 | 50 | 3.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 63 | 70 | 44.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 69 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 76 | < 0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 83 | < 500 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 84 | 60 | 24.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 93 | < 300 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 94 | 240 | 396.0 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 96 | 60 | 24.0 | | EMISSION, DC PLASMA | 2,7 |
| 98 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 103 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 104 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 110 | 50 | 3.3 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 50 | 3.3 | | EMISSION, DC PLASMA | 2,7 |
| 118 | < 400 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 124 | < 10 | | IGNORED | NOT REPORTED | |
| 127 | 40 | -17.3 | | OTHER | |
| 142 | 40 | -17.3 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 40 | -17.3 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

50 Labs had a total range of 30 to 470 and a mean of 48
with a standard deviation of 14 and a 95% confidence interval of the mean +/- 5.

Table 12 Standard Reference Water Sample T95 Report for BE

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 6 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 7 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 9 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 13 | 1 | 0.0 | | EMISSION, IC PLASMA | 3,5 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 22 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 1 | 0.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 34 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 37 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 47 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 50 | < 3 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 54 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 57 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 58 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 63 | < 2 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 69 | 5 | 400.0 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 73 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 76 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 83 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 93 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 98 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 110 | 1 | 0.0 | | EMISSION, IC PLASMA | 3,5 |
| 112 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | < 10 | | IGNORED | NOT REPORTED | |
| 127 | < 5 | | IGNORED | OTHER | |
| 142 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

34 Labs had a total range of 1 to 5.
INSUFFICIENT DATA TO DETERMINE MEAN AND STANDARD OF DEVIATION.

**Table 12 Standard Reference Water Sample T95 Report for CA**

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 71 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 37 | -48.7 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 78 | 8.2 | | OTHER | |
| 8 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 13 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 75 | 4.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 22 | 63 | -12.6 | | EMISSION, IC PLASMA | 3,5,7 |
| 24 | 73 | 1.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 75 | 4.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 73 | 1.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 69 | -4.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 32 | 73 | 1.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 33 | 63 | -12.6 | | NOT REPORTED | |
| 36 | 76 | 5.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 59 | -18.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 75 | 4.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 40 | 70 | -2.9 | | EMISSION, IC PLASMA | 3,5,7 |
| 41 | 94 | 30.4 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 43 | 78 | 8.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 76 | 5.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 73 | 1.3 | | EMISSION, IC PLASMA | 3,5,7 |
| 49 | 75 | 4.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 50 | 22 | -69.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 75 | 4.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 52 | 70 | -2.9 | | EMISSION, IC PLASMA | 3,5,7 |
| 53 | 73 | 1.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 82 | 13.8 | | EMISSION, IC PLASMA | 3,5,7 |
| 56 | 126 | 74.8 | REJECT | TITRATION, EDTA | 1,3 |
| 57 | 69 | -4.3 | | EMISSION, IC PLASMA | 3,5,7 |
| 58 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 80 | 11.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 78 | 8.2 | | EMISSION, IC PLASMA | 3,5,7 |
| 70 | 71 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 69 | -4.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 69 | -4.3 | | EMISSION, IC PLASMA | 3,5,7 |
| 80 | 70 | -2.9 | | EMISSION, IC PLASMA | 3,5,7 |
| 81 | 75 | 4.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 71 | -1.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 84 | 60 | -16.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 70 | -2.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 75 | 4.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 94 | 75 | 4.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 87 | 20.7 | | OTHER | |
| 98 | 65 | -9.8 | | EMISSION, IC PLASMA | 3,5,7 |
| 102 | 65 | -9.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 72 | -0.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 104 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 108 | 72 | -0.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 77 | 6.8 | | EMISSION, IC PLASMA | 3,5,7 |
| 111 | 73 | 1.3 | | EMISSION, IC PLASMA | 3,5,7 |
| 112 | 7 | -90.3 | REJECT | OTHER | |
| 113 | 69 | -4.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 68 | -5.7 | | OTHER | |
| 124 | 61 | -15.4 | | NOT REPORTED | |
| 127 | 77 | 6.8 | | OTHER | |
| 142 | 75 | 4.1 | | EMISSION, IC PLASMA | 3,5,7 |

58 Labs had a total range of 7 to 126 and a mean of 72.1
with a standard deviation of 5.3 and a 95% confidence interval of the mean +/- 1.4.

Table 12 Standard Reference Water Sample T95 Report for CD

| Code Number | Reported value | Pct. dev. from mean | | Methods | Reference |
|---|---|---|---|---|---|
| 1 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 1,4 |
| 2 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 4 | 0.4 | -50.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 0.4 | -50.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 8 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | < 0.4 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 10 | 0.4 | -50.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | 0.4 | -50.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | 0.3 | -62.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 0.7 | -13.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 18 | 1.0 | 23.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 20 | < 0.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | < 10.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 0.5 | -38.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 4.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 29 | < 3.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 0.3 | -62.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 33.0 | 3975.6 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | < 10.0 | | IGNORED | NOT REPORTED | |
| 34 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 0.4 | -50.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 0.3 | -62.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 1.6 | 97.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 0.2 | -75.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 46 | 0.1 | -87.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 0.3 | -62.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 4.0 | 394.0 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 50 | < 3.0 | | IGNORED | ANODIC STRIPPING VOLTAMMETRY, DIFFERENTIAL PULSE | 2 |
| 51 | 0.9 | 11.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 1,4 |
| 56 | 0.5 | -38.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 58 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 1,4 |
| 59 | 3.0 | 270.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 3.0 | 270.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 3.0 | 270.5 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 2.0 | 147.0 | | EMISSION, IC PLASMA | 3,5 |
| 74 | 0.4 | -50.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 76 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 79 | 0.1 | -87.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 81 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 1,4 |
| 90 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | 6.0 | 641.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 95 | 0.2 | -75.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 96 | 2.0 | 147.0 | | EMISSION, DC PLASMA | 7 |
| 98 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 102 | 5.0 | 517.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | < 3.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 1.0 | 23.5 | | ATOMIC ABSORPTION, EXTRACTION,(PDCA/CHCL3) | 2,3 |
| 107 | 0.2 | -75.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 110 | 10.0 | 1135.0 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 112 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 118 | 0.3 | -62.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 0.4 | -50.6 | | OTHER | |
| 122 | 0.5 | -38.2 | | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 1,4 |
| 124 | < 10.0 | | IGNORED | NOT REPORTED | |
| 127 | < 2.0 | | IGNORED | OTHER | |
| 142 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 144 | 0.3 | -62.9 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

70 Labs had a total range of 0.1 to 33.0 and a mean of 0.81
with a standard deviation of 0.88 and a 95% confidence interval of the mean +/- 0.32.

Table 12 Standard Reference Water Sample T95 Report for CO

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 3 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 6 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 33 | 126.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | < 25 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 15 | < 0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 15 | 3.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | 19 | 30.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 30 | 23 | 58.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 34 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 54 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 57 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 58 | 58 | 298.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 13 | -10.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 10 | -31.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 3 | -79.4 | | EMISSION, IC PLASMA | 3,5 |
| 73 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 76 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 81 | < 60 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 3 | -79.4 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 93 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 12 | -17.6 | | EMISSION, IC PLASMA | 3,5 |
| 124 | < 10 | | IGNORED | NOT REPORTED | |
| 127 | < 1 | | IGNORED | OTHER | |
| 142 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

34 Labs had a total range of 3 to 58 and a mean of 14.6
with a standard deviation of 9.5 and a 95% confidence interval of the mean +/- 7.3.

Table 12 Standard Reference Water Sample T95 for Report CR TOT

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,3,4 |
| 2 | < 1 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 5 | 14.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | 2 | -54.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 15 | 1 | -77.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 5 | 14.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 18 | 1 | -77.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 63 | 1336.0 | REJECT | EMISSION, IC PLASMA | 3 |
| 24 | 2 | -54.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 29 | < 40 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 4 | -8.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 30 | 583.8 | REJECT | EMISSION, IC PLASMA | 3 |
| 33 | < 20 | | IGNORED | NOT REPORTED | |
| 34 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 5 | 14.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 1 | -77.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 1 | -77.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 2 | -54.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 46 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 2 | -54.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | 6 | 36.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 6 | 36.8 | | EMISSION, IC PLASMA | 3 |
| 53 | < 30 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 1 | -77.2 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,3,4 |
| 56 | 8 | 82.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 58 | 7 | 59.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 10 | 127.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 5 | 14.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 8 | 82.4 | | EMISSION, IC PLASMA | 3 |
| 73 | 10 | 127.9 | | EMISSION, IC PLASMA | 3 |
| 76 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 79 | 12 | 173.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 81 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | < 1 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,3,4 |
| 93 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1 |
| 94 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 95 | 1 | -77.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 96 | 6 | 36.8 | | OTHER | |
| 98 | < 3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 103 | < 6 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 104 | 5 | 14.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 107 | 2 | -54.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 108 | < 2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 110 | 32 | 629.4 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | 1 | -77.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 113 | 8 | 82.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 118 | < 3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 2 | -54.4 | | OTHER | |
| 122 | 3 | -31.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | < 20 | | IGNORED | NOT REPORTED | |
| 127 | 4 | -8.8 | | OTHER | |
| 142 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3 |

65 Labs had a total range of 1 to 63 and a mean of 4.4
with a standard deviation of 3.1 and a 95% confidence interval of the mean +/- 1.1.

Table 12 Standard Reference Water Sample T95 Report for CU

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 7 | -38.5 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 2 | 5 | -56.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | 15 | 31.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | 11 | -3.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 10 | -12.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 14 | 23.1 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 11 | -3.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 18 | 22 | 93.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 12 | 5.5 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 18 | 58.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | 5 | -56.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 29 | 8 | -29.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 26 | 128.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 18 | 58.2 | | EMISSION, IC PLASMA | 3,5 |
| 33 | 10 | -12.1 | | NOT REPORTED | |
| 34 | 18 | 58.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 12 | 5.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | 4 | -64.8 | | EMISSION, IC PLASMA | 3,5 |
| 41 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 9 | -20.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 12 | 5.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 49 | 13 | 14.3 | | EMISSION, IC PLASMA | 3,5 |
| 51 | 12 | 5.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 52 | 8 | -29.7 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | 16 | 40.7 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 56 | 13 | 14.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 58 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 13 | 14.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 14 | 23.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 18 | 58.2 | | EMISSION, IC PLASMA | 3,5 |
| 70 | 20 | 75.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 8 | -29.7 | | EMISSION, IC PLASMA | 3,5 |
| 74 | 11 | -3.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 76 | 20 | 75.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 79 | 10 | -12.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | 7 | -38.5 | | EMISSION, IC PLASMA | 3,5 |
| 31 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 10 | -12.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 8 | -29.7 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 90 | 11 | -3.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 4 | -64.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 95 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 98 | 7 | -38.5 | | EMISSION, IC PLASMA | 3,5 |
| 102 | 6 | -47.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 5 | -56.0 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 107 | 13 | 14.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 110 | 50 | 339.6 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 112 | 10 | -12.1 | | OTHER | |
| 113 | 16 | 40.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 8 | -29.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 16 | 40.7 | | OTHER | |
| 122 | 9 | -20.9 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 124 | < 10 | | IGNORED | NOT REPORTED | |
| 127 | 10 | -12.1 | | OTHER | |
| 142 | 13 | 14.3 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 13 | 14.3 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

69 Labs had a total range of 4 to 50 and a mean of 11.4
with a standard deviation of 4.7 and a 95% confidence interval of the mean +/- 1.3.

Table 12 Standard Reference Water Sample T95 Report for FE

| Code Number | Reported value | Pct. dev. from mean | | Methods | Reference |
|---|---|---|---|---|---|
| 1 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 2 | 47 | 281.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 15 | 41 | 232.4 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 20 | 62.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 18 | 21 | 70.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | < 30 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 5 | -59.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 6 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 30 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | < 60 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 10 | -18.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 60 | 386.5 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 33 | < 10 | | IGNORED | NOT REPORTED | |
| 34 | 10 | -18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 22 | 78.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 10 | -18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | 7 | -43.2 | | EMISSION, IC PLASMA | 3,5 |
| 41 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | < 30 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 46 | 15 | 21.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 4 | -67.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 49 | 1 | -91.9 | | EMISSION, IC PLASMA | 3,5 |
| 50 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 9 | -27.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 10 | -18.9 | | EMISSION, IC PLASMA | 3,5 |
| 56 | 23 | 86.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 7 | -43.2 | | EMISSION, IC PLASMA | 3,5 |
| 58 | 610 | 4846.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 10 | -18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 10 | -18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 9 | -27.0 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 12 | -2.7 | | EMISSION, IC PLASMA | 3,5 |
| 76 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 77 | < 10 | | IGNORED | OTHER | |
| 80 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 81 | 15 | 21.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 10 | -18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 90 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 21 | 70.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | < 30 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 14 | 13.5 | | OTHER | |
| 98 | 12 | -2.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 103 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 21 | 70.3 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 20 | 62.2 | | OTHER | |
| 113 | 107 | 767.6 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 5 | -59.5 | | OTHER | |
| 122 | 63 | 410.8 | REJECT | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 123 | 12 | -2.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | < 10 | | IGNORED | NOT REPORTED | |
| 127 | 1 | -91.9 | | OTHER | |
| 142 | 24 | 94.6 | | EMISSION, IC PLASMA | 3,5 |

68 Labs had a total range of 1 to 610 and a mean of 12.3
with a standard deviation of 6.6 and a 95% confidence interval of the mean +/- 2.5.

Table 12 Standard Reference Water Sample T95 Report for HG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 0.60 | 30.7 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 2 | 0.39 | -15.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 6 | 0.40 | -12.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 7 | 0.40 | -12.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 8 | < 0.50 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 9 | 0.30 | -34.6 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 10 | 4.00 | 771.6 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 15 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 16 | 0.40 | -12.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 20 | < 0.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 22 | 0.60 | 30.7 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 24 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 27 | 0.44 | -4.1 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 30 | 0.42 | -8.5 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 33 | 0.46 | 0.2 | | NOT REPORTED | |
| 34 | 0.40 | -12.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 37 | 0.70 | 52.5 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 38 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 40 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 41 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 43 | 0.30 | -34.6 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 46 | 0.20 | -56.4 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 48 | 0.43 | -6.3 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 49 | 6.08 | 1224.9 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 50 | < 0.50 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 54 | 0.43 | -6.3 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 56 | 1800. | 4E+05 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 57 | 0.80 | 74.3 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 58 | 0.30 | -34.6 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 63 | 2.80 | 510.2 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 69 | 2.30 | 401.2 | REJECT | EMISSION, IC PLASMA | 3 |
| 74 | 16.00 | 3386.6 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 76 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 80 | 0.49 | 6.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 81 | < 0.50 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 83 | 0.45 | -1.9 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 84 | 0.45 | -1.9 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 90 | 0.58 | 26.4 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 95 | 0.40 | -12.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 96 | < 4.00 | | IGNORED | OTHER | |
| 98 | 0.45 | -1.9 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 104 | 1.50 | 226.9 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 112 | 0.50 | 9.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 118 | 0.40 | -12.8 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 121 | 0.51 | 11.1 | | OTHER | |
| 122 | 0.56 | 22.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 127 | < 2.00 | | IGNORED | OTHER | |
| 142 | 0.30 | -34.6 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |

48 Labs had a total range of 0.20 to 1800. and a mean of 0.459
with a standard deviation of 0.115 and a 95% confidence interval of the mean +/- 0.040.

Table 12 Standard Reference Water Sample T95 Report for K

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 4.50 | -5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 4.43 | -7.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 4.87 | 2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 4.50 | -5.7 | | EMISSION, IC PLASMA | 3 |
| 8 | 4.60 | -3.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 6.83 | 43.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 5.40 | 13.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 3.80 | -20.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 5.00 | 4.8 | | EMISSION, IC PLASMA | 3 |
| 24 | 4.70 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 4.69 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 4.91 | 2.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 9.25 | 93.9 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 6.66 | 39.6 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 32 | 4.51 | -5.5 | | EMISSION, IC PLASMA | 3 |
| 33 | 4.27 | -10.5 | | NOT REPORTED | |
| 36 | 5.00 | 4.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 4.86 | 1.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 5.85 | 22.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 4.30 | -9.9 | | EMISSION, IC PLASMA | 3 |
| 41 | 5.10 | 6.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 4.70 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 4.70 | -1.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 5.50 | 15.3 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 49 | 4.50 | -5.7 | | EMISSION, IC PLASMA | 3 |
| 50 | 5.15 | 7.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 52 | 3.90 | -18.3 | | EMISSION, IC PLASMA | 3 |
| 53 | 4.60 | -3.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 4.30 | -9.9 | | EMISSION, IC PLASMA | 3 |
| 56 | 10.90 | 128.5 | REJECT | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 57 | 4.50 | -5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 58 | 4.60 | -3.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 4.61 | -3.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 5.30 | 11.1 | | EMISSION, IC PLASMA | 3 |
| 63 | 17.00 | 256.3 | REJECT | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 72 | 4.40 | -7.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 4.27 | -10.5 | | EMISSION, IC PLASMA | 3 |
| 80 | 5.70 | 19.5 | | OTHER | |
| 81 | 8.50 | 78.2 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 5.40 | 13.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 5.40 | 13.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 5.75 | 20.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 5.03 | 5.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 3.56 | -25.4 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 98 | 4.50 | -5.7 | | EMISSION, IC PLASMA | 3 |
| 102 | 7.40 | 55.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 4.61 | -3.4 | | EMISSION, IC PLASMA | 3 |
| 104 | 4.50 | -5.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 4.40 | -7.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 5.00 | 4.8 | | EMISSION, IC PLASMA | 3 |
| 111 | 3.03 | -36.5 | | NOT REPORTED | |
| 112 | 4.70 | -1.5 | | OTHER | |
| 113 | 4.32 | -9.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 4.44 | -6.9 | | OTHER | |
| 142 | 4.40 | -7.8 | | EMISSION, IC PLASMA | 3 |

55 Labs had a total range of 3.03 to 17.00 and a mean of 4.771
with a standard deviation of 0.670 and a 95% confidence interval of the mean +/- 0.190.

Table 12 Standard Reference Water Sample T95 Report for LI

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 30 | 3.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 6 | 25 | -13.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 8 | 40 | 38.4 | | EMISSION, FLAME | 1 |
| 13 | 40 | 38.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 15 | 23 | -20.4 | | OTHER | |
| 22 | < 1000 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 36 | 25 | -13.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 41 | 30 | 3.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 47 | 27 | -6.6 | | EMISSION, FLAME | 1 |
| 49 | 32 | 10.7 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 17 | -41.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 51 | 26 | -10.0 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 34 | 17.7 | | EMISSION, IC PLASMA | 3,5 |
| 54 | 30 | 3.8 | | EMISSION, IC PLASMA | 3,5 |
| 57 | 33 | 14.2 | | EMISSION, IC PLASMA | 3,5 |
| 59 | 27 | -6.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 63 | 31 | 7.3 | | EMISSION, FLAME | 1 |
| 73 | 29 | 0.4 | | EMISSION, IC PLASMA | 3,5 |
| 83 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 103 | 20 | -30.8 | | EMISSION, IC PLASMA | 3,5 |
| 110 | 30 | 3.8 | | EMISSION, IC PLASMA | 3,5 |
| 127 | < 10 | | IGNORED | OTHER | |
| 142 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

23 Labs had a total range of 17 to 40 and a mean of 28.9
with a standard deviation of 5.8 and a 95% confidence interval of the mean +/- 2.8.

Table 12 Standard Reference Water Sample T95 Report for MG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 33 | 1.4 | | EMISSION, IC PLASMA | 3,5 |
| 8 | 3 | -90.8 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 13 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 30 | -7.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 10 | -69.3 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 35 | 7.6 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 30 | -7.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 27 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 69 | 112.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 32 | 29 | -10.9 | | EMISSION, IC PLASMA | 3,5 |
| 33 | 32 | -1.7 | | NOT REPORTED | |
| 36 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 3 | -90.8 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 35 | 7.6 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 31 | -4.7 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 43 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 39 | 19.9 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 31 | -4.7 | | EMISSION, IC PLASMA | 3,5 |
| 49 | 34 | 4.5 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 34 | 4.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 35 | 7.6 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 32 | -1.7 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 37 | 13.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 33 | 1.4 | | EMISSION, IC PLASMA | 3,5 |
| 56 | 43 | 32.2 | REJECT | TITRATION, EDTA | 2 |
| 57 | 32 | -1.7 | | EMISSION, IC PLASMA | 3,5 |
| 58 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 40 | 22.9 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 36 | 10.6 | | EMISSION, IC PLASMA | 3,5 |
| 63 | 46 | 41.4 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 69 | 31 | -4.7 | | EMISSION, IC PLASMA | 3,5 |
| 70 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 32 | -1.7 | | EMISSION, IC PLASMA | 3,5 |
| 80 | 32 | -1.7 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 31 | -4.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 35 | 7.6 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 84 | 34 | 4.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 31 | -4.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 51 | 56.7 | REJECT | OTHER | |
| 98 | 30 | -7.8 | | EMISSION, IC PLASMA | 3,5 |
| 102 | 30 | -7.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 33 | 1.4 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 33 | 1.4 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 108 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 33 | 1.4 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 33 | 1.4 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 32 | -1.7 | | OTHER | |
| 113 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 32 | -1.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 32 | -1.7 | | OTHER | |
| 124 | 29 | -10.9 | | NOT REPORTED | |
| 127 | 37 | 13.7 | | OTHER | |
| 142 | 34 | 4.5 | | EMISSION, IC PLASMA | 3,5 |

61 Labs had a total range of 3 to 69 and a mean of 32.5
with a standard deviation of 1.7 and a 95% confidence interval of the mean +/- 0.5.

Table 12 Standard Reference Water Sample T95 Report for MN

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 2 | 4 | -29.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 16 | 2 | -64.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 18 | 10 | 76.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 4 | -29.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 3 | -47.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 5 | -12.0 | | EMISSION, IC PLASMA | 3,5 |
| 33 | < 10 | | IGNORED | NOT REPORTED | |
| 34 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 5 | -12.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | 1 | -82.4 | | EMISSION, IC PLASMA | 3,5 |
| 41 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 3 | -47.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 46 | 4 | -29.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 2 | -64.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 49 | 1 | -82.4 | | EMISSION, IC PLASMA | 3,5 |
| 50 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 3 | -47.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 4 | -29.6 | | EMISSION, IC PLASMA | 3,5 |
| 56 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | 2 | -64.8 | | EMISSION, IC PLASMA | 3,5 |
| 58 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 3 | -47.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 4 | -29.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 18 | 217.0 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 3 | -47.2 | | EMISSION, IC PLASMA | 3,5 |
| 77 | 10 | 76.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 79 | 3 | -47.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 81 | < 20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 90 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | 20 | 252.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 5 | -12.0 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 10 | 76.1 | | OTHER | |
| 113 | 9 | 58.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | < 40 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 2 | -64.8 | | OTHER | |
| 122 | 15 | 164.1 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 123 | 4 | -29.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | < 10 | | IGNORED | NOT REPORTED | |
| 127 | < 1 | | IGNORED | OTHER | |
| 142 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

66 Labs had a total range of 1 to 20 and a mean of 5.7
with a standard deviation of 5.0 and a 95% confidence interval of the mean +/- 1.9.

Table 12 Standard Reference Water Sample T95 Report for MO

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 4 | < 10 | | IGNORED | ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE | 4 |
| 6 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 7 | < 30 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 13 | 12 | -5.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 15 | 8 | -36.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 17 | 34.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | 31 | 145.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 34 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 38 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 46 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 47 | 8 | -36.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | 7 | -44.6 | | ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE | 4 |
| 57 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 63 | < 30 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 73 | 10 | -20.9 | | EMISSION, IC PLASMA | 3,5 |
| 76 | < 50 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 93 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 98 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 6 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 108 | 4 | -68.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 110 | 25 | 97.8 | | EMISSION, IC PLASMA | 3,5 |
| 127 | 9 | -28.8 | | OTHER | |
| 142 | 8 | -36.7 | | EMISSION, IC PLASMA | 3,5 |

28 Labs had a total range of 4 to 31 and a mean of 12.6
with a standard deviation of 8.4 and a 95% confidence interval of the mean +/- 5.6.

Table 12 Standard Reference Water Sample T95 Report for NA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 191 | 1.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | 192 | 1.5 | | EMISSION, FLAME | 1,2 |
| 6 | 189 | -0.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | 203 | 7.4 | | EMISSION, IC PLASMA | 3,5 |
| 8 | 204 | 7.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 151 | -20.1 | | EMISSION, IC PLASMA | 3,5 |
| 15 | 200 | 5.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 18 | 185 | -2.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 190 | 0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 188 | -0.6 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 183 | -3.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | 180 | -4.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 29 | 185 | -2.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 186 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 32 | 182 | -3.7 | | EMISSION, IC PLASMA | 3,5 |
| 33 | 18 | -90.5 | REJECT | NOT REPORTED | |
| 36 | 195 | 3.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 167 | -11.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 198 | 4.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 185 | -2.2 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 179 | -5.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 187 | -1.1 | | EMISSION, FLAME | 1,2 |
| 47 | 250 | 32.2 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 48 | 194 | 2.6 | | EMISSION, IC PLASMA | 3,5 |
| 49 | 197 | 4.2 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 197 | 4.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 185 | -2.2 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 190 | 0.5 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 191 | 1.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 182 | -3.7 | | EMISSION, IC PLASMA | 3,5 |
| 56 | 193 | 2.1 | | EMISSION, FLAME | 1,2 |
| 57 | 190 | 0.5 | | EMISSION, IC PLASMA | 3,5 |
| 58 | 182 | -3.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 208 | 10.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 61 | 215 | 13.7 | | EMISSION, IC PLASMA | 3,5 |
| 63 | 248 | 31.2 | REJECT | EMISSION, FLAME | 1,2 |
| 69 | 297 | 57.1 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 70 | 190 | 0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 190 | 0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 199 | 5.3 | | EMISSION, IC PLASMA | 3,5 |
| 80 | 184 | -2.7 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 175 | -7.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 190 | 0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 226 | 19.5 | | EMISSION, FLAME | 1,2 |
| 86 | 215 | 13.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 186 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | 150 | -20.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 187 | -1.1 | | OTHER | |
| 98 | 175 | -7.4 | | EMISSION, IC PLASMA | 3,5 |
| 102 | 196 | 3.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 103 | 192 | 1.5 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 193 | 2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | 190 | 0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 170 | -10.1 | | EMISSION, IC PLASMA | 3,5 |
| 111 | 189 | -0.0 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 188 | -0.6 | | OTHER | |
| 118 | 190 | 0.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 190 | 0.5 | | OTHER | |
| 127 | 3 | -98.4 | REJECT | OTHER | |
| 142 | 190 | 0.5 | | EMISSION, IC PLASMA | 3,5 |

60 Labs had a total range of 3 to 297 and a mean of 189.1
with a standard deviation of 12.8 and a 95% confidence interval of the mean +/- 3.4.

Table 12 Standard Reference Water Sample T95 Report for NI

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 2 | < 1 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 20 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 60 | 429.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | 4 | -64.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | 2 | -82.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | < 40 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 7 | -38.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | 26 | 129.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 29 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 16 | 41.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 5 | -55.9 | | EMISSION, IC PLASMA | 3,5 |
| 33 | < 20 | | IGNORED | NOT REPORTED | |
| 34 | 14 | 23.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 2 | -82.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 9 | -20.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 9 | -20.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 3 | -73.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 23 | 102.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 49 | 6 | -47.1 | | EMISSION, IC PLASMA | 3,5 |
| 53 | < 40 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 2 | -82.4 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 57 | 4 | -64.7 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 58 | 31 | 173.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 7 | -38.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 6 | -47.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 12 | 5.8 | | EMISSION, IC PLASMA | 3,5 |
| 70 | 40 | 252.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 73 | 8 | -29.5 | | EMISSION, IC PLASMA | 3,5 |
| 76 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 79 | 4 | -64.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 81 | 40 | 252.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 20 | 76.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 1 | -91.2 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 90 | 11 | -3.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | 80 | 605.3 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 5 | -55.9 | | OTHER | |
| 98 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 6 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 3 | -73.6 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 108 | < 6 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 110 | 24 | 111.6 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 1 | -91.2 | | OTHER | |
| 113 | 25 | 120.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | < 20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 6 | -47.1 | | OTHER | |
| 122 | 2 | -82.4 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 124 | < 30 | | IGNORED | NOT REPORTED | |
| 127 | 11 | -3.0 | | OTHER | |
| 142 | < 4 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 144 | 8 | -29.5 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

60 Labs had a total range of 1 to 80 and a mean of 11.3
with a standard deviation of 10.8 and a 95% confidence interval of the mean +/- 3.7.

Table 12 Standard Reference Water Sample T95 Report for PB

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 2 | 4 | -57.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | 9 | -4.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 9 | < 4 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 10 | 3 | -68.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 4 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | < 0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 2 | -78.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 18 | 9 | -4.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 20 | < 0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | < 50 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 6 | -36.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 25 | < 8 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 29 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 3 | -68.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 32 | 38 | 304.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | < 50 | | IGNORED | NOT REPORTED | |
| 34 | 1 | -89.4 | | OTHER | |
| 37 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 1 | -89.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 2 | -78.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | 8 | -14.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 43 | 1 | -89.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 46 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 3 | -68.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 50 | < 25 | | IGNORED | ANODIC STRIPPING VOLTAMMETRY | 2 |
| 51 | 7 | -25.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | 4 | -57.4 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 56 | 114 | 1113.7 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 58 | < 5 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 59 | 16 | 70.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 31 | 230.0 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 32 | 240.7 | | EMISSION, IC PLASMA | 3,5 |
| 74 | 27 | 187.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 76 | 7 | -25.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 79 | 4 | -57.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 80 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 81 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 2 | -78.7 | | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,4 |
| 93 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 96 | 29 | 208.7 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |
| 98 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 103 | < 37 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 4 | -57.4 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 107 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 110 | 1260 | 1E+04 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 112 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 118 | < 3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 8 | -14.8 | | OTHER | |
| 124 | < 50 | | IGNORED | NOT REPORTED | |
| 127 | 1 | -89.4 | | OTHER | |
| 142 | < 4 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 144 | 1 | -89.4 | | EMISSION, DC PLASMA | 7 |

63 Labs had a total range of 1 to 1260 and a mean of 9.4
with a standard deviation of 11.1 and a 95% confidence interval of the mean +/- 4.3.

Table 12 Standard Reference Water Sample T95 Report for SB

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 7 | < 100 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 8 | 7 | 16.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 4 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | < 500 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 38 | 2 | -66.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 43 | < 3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 34 | 466.7 | REJECT | NOT REPORTED | |
| 48 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 2,4 |
| 58 | < 3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 63 | 1 | -83.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 69 | 10 | 66.7 | | EMISSION, IC PLASMA | 3 |
| 73 | 10 | 66.7 | | EMISSION, IC PLASMA | 3 |
| 76 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 98 | < 40 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 104 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 2,4 |
| 110 | 130 | 2066.7 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 127 | < 2 | | IGNORED | OTHER | |
| 142 | < 2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |

24 Labs had a total range of 1 to 130 and a mean of 6.0
with a standard deviation of 4.3 and a 95% confidence interval of the mean +/- 5.3.

Table 12 Standard Reference Water Sample T95 Report for SE

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 45 | -18.6 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 6 | < 2 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 7 | 59 | 6.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 8 | 14 | -74.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 9 | 51 | -7.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | 65 | 17.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | 54 | -2.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 16 | 49 | -11.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 18 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 22 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 24 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 25 | 54 | -2.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 27 | 51 | -7.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 30 | 23 | -58.4 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 34 | 60 | 8.5 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 36 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 37 | 35 | -36.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 62 | 12.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 67 | 21.2 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 41 | 60 | 8.5 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 43 | 62 | 12.1 | | OTHER | |
| 46 | 32 | -42.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 50 | -9.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | 29 | -47.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 61 | 10.3 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 50 | 67 | 21.2 | | OTHER | |
| 52 | 250 | 352.2 | REJECT | EMISSION, IC PLASMA | 3 |
| 53 | 69 | 24.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | 49 | -11.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 56 | 46 | -16.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | 74 | 33.8 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 58 | 45 | -18.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 63 | 62 | 12.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 68 | 65 | 17.6 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 69 | 67 | 21.2 | | EMISSION, IC PLASMA | 3 |
| 70 | 4 | -92.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 73 | 60 | 8.5 | | EMISSION, IC PLASMA | 3 |
| 74 | 78 | 41.1 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 76 | 73 | 32.0 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 80 | 65 | 17.6 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 81 | 59 | 6.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 83 | < 100 | | IGNORED | EMISSION, DC PLASMA | 7 |
| 84 | 50 | -9.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 90 | < 1 | | IGNORED | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 93 | 26 | -53.0 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 96 | 121 | 118.9 | REJECT | OTHER | |
| 98 | 78 | 41.1 | | EMISSION, IC PLASMA | 3 |
| 104 | 54 | -2.3 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 108 | 72 | 30.2 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 110 | 330 | 496.9 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | 90 | 62.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 121 | 53 | -4.1 | | OTHER | |
| 122 | 44 | -20.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 127 | 100 | 80.9 | | OTHER | |
| 142 | 55 | -0.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |

55 Labs had a total range of 4 to 330 and a mean of 55.3
with a standard deviation of 18.3 and a 95% confidence interval of the mean +/- 5.5.

Table 12 Standard Reference Water Sample T95 Report for SIO2

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 7.00 | -14.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 13 | 8.45 | 3.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 15 | 8.00 | -2.0 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 20 | 8.60 | 5.3 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 22 | 5.57 | -31.8 | | EMISSION, IC PLASMA | 5 |
| 25 | 7.90 | -3.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 30 | 8.30 | 1.6 | | COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE | 3 |
| 32 | 2.60 | -68.2 | REJECT | EMISSION, IC PLASMA | 5 |
| 36 | 35.50 | 334.7 | REJECT | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 38 | 7.00 | -14.3 | | EMISSION, IC PLASMA | 5 |
| 40 | 9.00 | 10.2 | | EMISSION, IC PLASMA | 5 |
| 41 | 6.63 | -18.8 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 47 | 8.60 | 5.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 49 | 8.30 | 1.6 | | EMISSION, IC PLASMA | 5 |
| 52 | 7.69 | -5.8 | | EMISSION, IC PLASMA | 5 |
| 54 | 9.20 | 12.7 | | EMISSION, IC PLASMA | 5 |
| 57 | 7.60 | -6.9 | | EMISSION, IC PLASMA | 5 |
| 73 | 11.30 | 38.4 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 83 | 8.00 | -2.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 93 | 5.72 | -30.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 95 | 8.10 | -0.8 | | COLORIMETRIC, MOLYBDOSILICIC ACID | 1,2,3 |
| 98 | 7.82 | -4.2 | | EMISSION, IC PLASMA | 5 |
| 103 | 7.11 | -12.9 | | EMISSION, IC PLASMA | 5 |
| 104 | 11.10 | 35.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4 |
| 110 | 10.77 | 31.9 | | EMISSION, IC PLASMA | 5 |
| 112 | 8.00 | -2.0 | | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 4 |
| 142 | 8.40 | 2.9 | | EMISSION, IC PLASMA | 5 |

27 Labs had a total range of 2.60 to 35.50 and a mean of 8.166
with a standard deviation of 1.403 and a 95% confidence interval of the mean +/- 0.579.

Table 12 Standard Reference Water Sample T95 Report for SR

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 830 | -0.8 | | EMISSION, IC PLASMA | 3,5 |
| 6 | 850 | 1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 8 | 860 | 2.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 13 | 850 | 1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 15 | 1000 | 19.5 | | OTHER | |
| 22 | 740 | -11.6 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 760 | -9.2 | | ATOMIC ABSORPTION, FLAMELESS | 7 |
| 34 | 800 | -4.4 | | EMISSION, IC PLASMA | 3,5 |
| 36 | 729 | -12.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 41 | 680 | -18.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 47 | 830 | -0.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 49 | 830 | -0.8 | | EMISSION, IC PLASMA | 3,5 |
| 51 | 826 | -1.3 | | EMISSION, IC PLASMA | 3,5 |
| 52 | 850 | 1.6 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 866 | 3.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 54 | 920 | 9.9 | | EMISSION, IC PLASMA | 3,5 |
| 57 | 810 | -3.2 | | EMISSION, IC PLASMA | 3,5 |
| 63 | 28 | -96.7 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 73 | 830 | -0.8 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |
| 80 | 840 | 0.4 | | ATOMIC ABSORPTION, FLAMELESS | 7 |
| 93 | 854 | 2.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 98 | 830 | -0.8 | | EMISSION, IC PLASMA | 3,5 |
| 103 | 869 | 3.8 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 900 | 7.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 110 | 900 | 7.5 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 850 | 1.6 | | OTHER | |
| 127 | 850 | 1.6 | | OTHER | |
| 142 | 820 | -2.0 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 859 | 2.6 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

29 Labs had a total range of 28 to 1000 and a mean of 836.9
with a standard deviation of 60.8 and a 95% confidence interval of the mean +/- 23.6.

Table 12 Standard Reference Water Sample T95 Report for TL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 6 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 7 | < 60 | | IGNORED | OTHER | |
| 8 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 15 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | < 500 | | IGNORED | NOT REPORTED | |
| 38 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 41 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 43 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | < 0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 54 | < 10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 63 | < 2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 76 | < 10 | | IGNORED | NOT REPORTED | |
| 83 | < 20 | | IGNORED | ANODIC STRIPPING VOLTAMMETRY | |
| 93 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 98 | < 30 | | IGNORED | OTHER | |
| 104 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 110 | 6 | 0.0 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |
| 112 | < 1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 127 | < 1 | | IGNORED | OTHER | |
| 142 | < 20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 144 | < 1 | | IGNORED | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

23 Labs had a total range of 0 to 6.
INSUFFICIENT DATA TO DETERMINE MEAN AND STANDARD OF DEVIATION.

Table 12 Standard Reference Water Sample T95 Report for V

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 6 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 8 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 13 | 12 | -56.2 | | EMISSION, IC PLASMA | 3,5 |
| 15 | < 2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | 70 | 155.5 | | EMISSION, IC PLASMA | 3,5 |
| 24 | 52 | 89.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 34 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 38 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | < 200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 47 | 1 | -96.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | < 100 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 49 | 2 | -92.7 | | EMISSION, IC PLASMA | 3,5 |
| 54 | 3 | -89.1 | | EMISSION, IC PLASMA | 3,5 |
| 57 | < 6 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 63 | < 40 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 69 | 4 | -85.4 | | EMISSION, IC PLASMA | 3,5 |
| 73 | 5 | -81.8 | | EMISSION, IC PLASMA | 3,5 |
| 80 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 83 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 93 | < 100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 98 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 103 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 104 | 100 | 265.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 110 | 25 | -8.8 | | EMISSION, IC PLASMA | 3,5 |
| 127 | < 30 | | IGNORED | OTHER | |
| 142 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

26 Labs had a total range of 1 to 100 and a mean of 27.4
with a standard deviation of 34.8 and a 95% confidence interval of the mean +/- 24.9.

Table 12 Standard Reference Water Sample T95 Report for ZN

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 20 | 10.9 | | EMISSION, IC PLASMA | 3,5 |
| 2 | 8 | -55.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 4 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 18 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 7 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 9 | 15 | -16.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 20 | 10.9 | | EMISSION, IC PLASMA | 3,5 |
| 16 | 27 | 49.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 18 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | < 1 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 24 | 28 | 55.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 25 | < 5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 29 | 17 | -5.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 22 | 22.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 32 | 399 | 2112.0 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 33 | < 10 | | IGNORED | NOT REPORTED | |
| 34 | 22 | 22.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 36 | 18 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 23 | 27.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 10 | -44.6 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 20 | 10.9 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 10 | -44.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 140 | 676.2 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 48 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 49 | 16 | -11.3 | | EMISSION, IC PLASMA | 3,5 |
| 51 | 14 | -22.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 52 | 15 | -16.8 | | EMISSION, IC PLASMA | 3,5 |
| 53 | 18 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 54 | 18 | -0.2 | | EMISSION, IC PLASMA | 3,5 |
| 56 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 34 | 88.5 | | EMISSION, IC PLASMA | 3,5 |
| 58 | 22 | 22.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 18 | -0.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 63 | 19 | 5.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 69 | 13 | -27.9 | | EMISSION, IC PLASMA | 3,5 |
| 70 | 10 | -44.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 18 | -0.2 | | ANODIC STRIPPING VOLTAMMETRY | |
| 73 | 15 | -16.8 | | EMISSION, IC PLASMA | 3,5 |
| 74 | 17 | -5.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 76 | < 20 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 18 | -0.2 | | EMISSION, IC PLASMA | 3,5 |
| 81 | 4 | -77.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 84 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 85 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 90 | 11 | -39.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 93 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 94 | 26 | 44.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 95 | 16 | -11.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 98 | 18 | -0.2 | | EMISSION, IC PLASMA | 3,5 |
| 102 | 57 | 216.0 | REJECT | ANODIC STRIPPING VOLTAMMETRY | |
| 103 | 16 | -11.3 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 12 | -33.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 107 | 32 | 77.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 108 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 50 | 177.2 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 112 | 10 | -44.6 | | OTHER | |
| 113 | 26 | 44.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | 20 | 10.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 121 | 17 | -5.8 | | OTHER | |
| 122 | 6 | -66.7 | | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2 |
| 124 | 20 | 10.9 | | NOT REPORTED | |
| 127 | 19 | 5.3 | | OTHER | |
| 142 | 20 | 10.9 | | EMISSION, IC PLASMA | 3,5 |

67 Labs had a total range of 4 to 399 and a mean of 18.0
with a standard deviation of 5.8 and a 95% confidence interval of the mean +/- 1.6.

Table 13. Statistics by method for standard reference sample T95

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| ACID@CACO3 | 'TITRATION, COLORIMETRIC' | 1150.000 | 1220.000 | 1176.667 | 37.859 | 3 |
| | 'TITRATION, ELECTROMETRIC' | 1100.000 | 1200.000 | 1157.000 | 30.930 | 10 |
| | _OVER-ALL_ | 1100.000 | 1220.000 | 1159.286 | 31.977 | 14 |
| AG | ATOMIC ABSORPTION, DIRECT, AIR | 2.000 | 90.000 | 4.920 | 3.065 | 5 |
| | ATOMIC ABSORPTION, FLAMELESS | 0.100 | 3.000 | 1.200 | 1.002 | 11 |
| | EMISSION, IC PLASMA | 1.000 | 560.000 | ----- | ----- | - |
| | OTHER | 1.500 | 1.500 | ----- | ----- | - |
| | _OVER-ALL_ | 0.100 | 560.000 | 1.753 | 1.382 | 19 |
| AL | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 50.000 | 420.000 | 167.143 | 134.625 | 7 |
| | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 30.000 | 110.000 | 55.714 | 29.358 | 7 |
| | EMISSION, IC PLASMA | 10.000 | 690.000 | 198.750 | 240.264 | 8 |
| | _OVER-ALL_ | 10.000 | 690.000 | 102.308 | 112.368 | 26 |
| AS | ATOMIC ABSORPTION, FLAMELESS | 0.200 | 7.200 | 1.143 | 0.744 | 7 |
| | ATOMIC ABSORPTION, HYDRIDE,(NABH4) | 0.500 | 5.000 | 1.700 | 1.561 | 8 |
| | EMISSION, IC PLASMA | 14.000 | 90.000 | 42.267 | 41.572 | 3 |
| | OTHER | 0.600 | 0.600 | ----- | ----- | - |
| | _OVER-ALL_ | 0.200 | 90.000 | 1.113 | 0.755 | 16 |
| B | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1000.000 | 1600.000 | -------- | ------- | - |
| | COLORIMETRIC, CURCUMIN | 190.000 | 2000.000 | 357.500 | 199.228 | 4 |
| | EMISSION, IC PLASMA | 1050.000 | 1250.000 | 1130.667 | 54.572 | 15 |
| | _OVER-ALL_ | 190.000 | 2000.000 | 1090.690 | 368.306 | 29 |
| BA | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 30.000 | 350.000 | 130.000 | 108.321 | 10 |
| | ATOMIC ABSORPTION, FLAMELESS | 30.000 | 470.000 | 64.000 | 24.083 | 5 |
| | EMISSION, IC PLASMA | 40.000 | 50.000 | 41.875 | 4.031 | 16 |
| | _OVER-ALL_ | 30.000 | 470.000 | 48.387 | 14.398 | 31 |
| BE | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | - | | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 1.000 | 1.000 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 1.000 | 5.000 | ----- | ----- | - |
| | _OVER-ALL_ | 1.000 | 5.000 | ----- | ----- | - |
| CA | ATOMIC ABSORPTION, DIRECT, AIR | 22.000 | 80.000 | 71.542 | 4.899 | 24 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 71.000 | 94.000 | 73.000 | 1.673 | 6 |
| | EMISSION, IC PLASMA | 63.000 | 82.000 | 72.412 | 4.718 | 17 |
| | OTHER | 7.000 | 87.000 | 77.500 | 7.767 | 4 |
| | _OVER-ALL_ | 7.000 | 126.000 | 72.076 | 5.262 | 53 |
| CD | ATOMIC ABSORPTION, DIRECT, AIR | 0.400 | 6.000 | 3.480 | 2.157 | 5 |
| | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 0.500 | 0.500 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.100 | 33.000 | 0.395 | 0.237 | 20 |
| | EMISSION, IC PLASMA | 2.000 | 10.000 | 4.750 | 3.594 | 4 |
| | _OVER-ALL_ | 0.100 | 33.000 | 0.810 | 0.877 | 31 |
| CO | ATOMIC ABSORPTION, DIRECT, AIR | 10.000 | 58.000 | 28.500 | 22.159 | 4 |
| | ATOMIC ABSORPTION, FLAMELESS | 15.000 | 23.000 | 19.000 | 4.000 | 3 |
| | EMISSION, IC PLASMA | 3.000 | 12.000 | ----- | ----- | - |
| | _OVER-ALL_ | 3.000 | 58.000 | 14.556 | 9.541 | 9 |
| CR TOT | ATOMIC ABSORPTION, DIRECT, AIR | 5.000 | 10.000 | 6.667 | 2.066 | 6 |
| | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1.000 | 1.000 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 1.000 | 12.000 | 2.765 | 2.107 | 17 |
| | EMISSION, IC PLASMA | 6.000 | 63.000 | 24.833 | 21.876 | 6 |
| | OTHER | 2.000 | 6.000 | 4.000 | 2.000 | 3 |
| | _OVER-ALL_ | 1.000 | 63.000 | 4.387 | 3.127 | 31 |
| CU | ATOMIC ABSORPTION, DIRECT, AIR | 4.000 | 22.000 | 12.474 | 5.048 | 19 |
| | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 7.000 | 16.000 | 10.333 | 4.933 | 3 |
| | ATOMIC ABSORPTION, FLAMELESS | 5.000 | 26.000 | 9.867 | 3.292 | 15 |
| | EMISSION, IC PLASMA | 4.000 | 50.000 | 11.091 | 4.636 | 11 |
| | OTHER | 10.000 | 16.000 | ----- | ----- | - |
| | _OVER-ALL_ | 4.000 | 50.000 | 11.375 | 4.720 | 56 |
| FE | ATOMIC ABSORPTION, DIRECT, AIR | 10.000 | 610.000 | 15.308 | 5.345 | 13 |
| | ATOMIC ABSORPTION, FLAMELESS | 4.000 | 41.000 | 8.000 | 3.391 | 5 |
| | EMISSION, IC PLASMA | 1.000 | 60.000 | 11.375 | 7.615 | 8 |
| | OTHER | 1.000 | 20.000 | 10.000 | 8.602 | 4 |
| | _OVER-ALL_ | 1.000 | 610.000 | 12.333 | 6.578 | 30 |
| HG | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 0.200 | 1800.000 | 0.459 | 0.120 | 32 |
| | OTHER | 0.510 | 0.510 | ----- | ----- | - |
| | _OVER-ALL_ | 0.200 | 1800.000 | 0.459 | 0.115 | 35 |
| K | ATOMIC ABSORPTION, DIRECT, AIR | 3.800 | 9.250 | 4.813 | 0.454 | 28 |
| | EMISSION, FLAME, PHOTOMETRIC | 5.500 | 17.000 | 10.015 | 5.203 | 4 |
| | EMISSION, IC PLASMA | 3.900 | 5.300 | 4.545 | 0.368 | 13 |
| | OTHER | 4.440 | 5.700 | 4.947 | 0.665 | 3 |
| | _OVER-ALL_ | 3.030 | 17.000 | 4.771 | 0.670 | 50 |
| LI | ATOMIC ABSORPTION, DIRECT, AIR | 17.000 | 40.000 | 27.714 | 6.969 | 7 |
| | EMISSION, FLAME | 27.000 | 40.000 | 32.667 | 6.658 | 3 |
| | EMISSION, IC PLASMA | 20.000 | 34.000 | 29.250 | 4.496 | 8 |
| | _OVER-ALL_ | 17.000 | 40.000 | 28.895 | 5.820 | 19 |
| MG | ATOMIC ABSORPTION, DIRECT, AIR | 3.000 | 69.000 | 32.130 | 1.140 | 23 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 3.000 | 46.000 | 29.800 | 15.991 | 5 |
| | EMISSION, IC PLASMA | 29.000 | 36.000 | 32.700 | 1.809 | 20 |
| | OTHER | 32.000 | 51.000 | 38.000 | 8.981 | 4 |
| | _OVER-ALL_ | 3.000 | 69.000 | 32.539 | 1.743 | 52 |

Table 13. Statistics by method for standard reference sample T95

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| MN | ATOMIC ABSORPTION, DIRECT, AIR | 3.000 - | 20.000 | 5.889 | 2.892 | 9 |
| | ATOMIC ABSORPTION, FLAMELESS | 2.000 - | 4.000 | 2.857 | 0.690 | 7 |
| | EMISSION, IC PLASMA | 1.000 - | 18.000 | 3.000 | 1.732 | 7 |
| | OTHER | 2.000 - | 10.000 | ----- | ----- | - |
| | _OVER-ALL_ | 1.000 - | 20.000 | 5.679 | 4.982 | 28 |
| MO | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 12.000 - | 12.000 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 4.000 - | 31.000 | 13.600 | 10.831 | 5 |
| | EMISSION, IC PLASMA | 8.000 - | 25.000 | 14.333 | 9.292 | 3 |
| | _OVER-ALL_ | 4.000 - | 31.000 | 12.636 | 8.370 | 11 |
| NA | ATOMIC ABSORPTION, DIRECT, AIR | 150.000 - | 250.000 | 190.179 | 9.813 | 28 |
| | EMISSION, FLAME | 187.000 - | 248.000 | 209.200 | 26.640 | 5 |
| | EMISSION, IC PLASMA | 151.000 - | 297.000 | 189.444 | 10.240 | 18 |
| | OTHER | 3.000 - | 190.000 | 188.333 | 1.528 | 3 |
| | _OVER-ALL_ | 3.000 - | 297.000 | 189.073 | 12.761 | 55 |
| NI | ATOMIC ABSORPTION, DIRECT, AIR | 6.000 - | 80.000 | 30.364 | 23.338 | 11 |
| | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1.000 - | 4.000 | 2.333 | 1.528 | 3 |
| | ATOMIC ABSORPTION, FLAMELESS | 2.000 - | 26.000 | 9.545 | 8.478 | 11 |
| | EMISSION, IC PLASMA | 5.000 - | 24.000 | 11.000 | 7.746 | 5 |
| | OTHER | 1.000 - | 11.000 | 5.750 | 4.113 | 4 |
| | _OVER-ALL_ | 1.000 - | 80.000 | 11.343 | 10.754 | 35 |
| PB | ATOMIC ABSORPTION, DIRECT, AIR | 4.000 - | 114.000 | 40.250 | 50.056 | 4 |
| | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 2.000 - | 4.000 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 1.000 - | 38.000 | 4.643 | 2.925 | 14 |
| | EMISSION, IC PLASMA | 31.000 - | 1260.000 | ----- | ----- | - |
| | OTHER | 1.000 - | 8.000 | ----- | ----- | - |
| | _OVER-ALL_ | 1.000 - | 1260.000 | 9.393 | 11.083 | 28 |
| SB | ATOMIC ABSORPTION, FLAMELESS | 1.000 - | 7.000 | 3.333 | 3.215 | 3 |
| | EMISSION, IC PLASMA | 10.000 - | 130.000 | ----- | ----- | - |
| | _OVER-ALL_ | 1.000 - | 130.000 | 6.000 | 4.301 | 5 |
| SE | ATOMIC ABSORPTION, FLAMELESS | 4.000 - | 90.000 | 49.083 | 17.639 | 24 |
| | ATOMIC ABSORPTION, HYDRIDE | 23.000 - | 78.000 | 58.786 | 16.867 | 14 |
| | EMISSION, IC PLASMA | 60.000 - | 330.000 | 157.000 | 124.828 | 5 |
| | OTHER | 53.000 - | 121.000 | 80.600 | 28.728 | 5 |
| | _OVER-ALL_ | 4.000 - | 330.000 | 55.289 | 18.347 | 45 |
| SIO2 | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 5.720 - | 11.100 | 7.925 | 1.613 | 8 |
| | COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE | 8.000 - | 35.500 | 9.300 | 1.758 | 3 |
| | EMISSION, IC PLASMA | 2.600 - | 10.770 | 8.042 | 1.354 | 11 |
| | _OVER-ALL_ | 2.600 - | 35.500 | 8.166 | 1.403 | 25 |
| SR | ATOMIC ABSORPTION, DIRECT, AIR | 28.000 - | 900.000 | 824.333 | 71.488 | 9 |
| | EMISSION, IC PLASMA | 740.000 - | 920.000 | 835.417 | 46.792 | 12 |
| | OTHER | 850.000 - | 1000.000 | ----- | ----- | - |
| | _OVER-ALL_ | 28.000 - | 1000.000 | 836.893 | 60.804 | 28 |
| TL | ATOMIC ABSORPTION, DIRECT, AIR | ----- - | ----- | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | ----- - | ----- | ----- | ----- | - |
| | OTHER | ----- - | ----- | ----- | ----- | - |
| | _OVER-ALL_ | 6.000 - | 6.000 | ----- | ----- | - |
| V | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 100.000 - | 100.000 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 1.000 - | 52.000 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 2.000 - | 70.000 | 8.500 | 8.826 | 6 |
| | _OVER-ALL_ | 1.000 - | 100.000 | 27.400 | 34.834 | 10 |
| ZN | ATOMIC ABSORPTION, DIRECT, AIR | 4.000 - | 32.000 | 18.719 | 6.007 | 32 |
| | ATOMIC ABSORPTION, FLAMELESS | 14.000 - | 140.000 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 10.000 - | 399.000 | 16.846 | 3.078 | 13 |
| | OTHER | 10.000 - | 19.000 | 15.333 | 4.726 | 3 |
| | _OVER-ALL_ | 4.000 - | 399.000 | 18.038 | 5.804 | 53 |

Table 14 Standard Reference Water Sample N16 Report for NH3-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | 3.31 | -2.5 | | OTHER | |
| 6 | 3.20 | -5.8 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 7 | 4.50 | 32.5 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 8 | 3.31 | -2.5 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 10 | 24.00 | 606.8 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 12 | 2.40 | -29.3 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 13 | 3.90 | 14.9 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 14 | 2.76 | -18.7 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 20 | 3.40 | 0.1 | | COLORIMETRIC, INDOPHENOL | 4 |
| 22 | 3.90 | 14.9 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 23 | 3.69 | 8.7 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 25 | 3.23 | -4.9 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 27 | 4.17 | 22.8 | | COLORIMETRIC, INDOPHENOL | 4 |
| 29 | 3.49 | 2.8 | | OTHER | |
| 30 | 3.60 | 6.0 | | COLORIMETRIC, INDOPHENOL | 4 |
| 32 | 3.10 | -8.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 33 | 1.99 | -41.4 | | NOT REPORTED | |
| 34 | 3.80 | 11.9 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 35 | 3.30 | -2.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 36 | 3.39 | -0.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 37 | 3.08 | -9.3 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 38 | 3.40 | 0.1 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 40 | 3.50 | 3.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 41 | 3.80 | 11.9 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 43 | 3.60 | 6.0 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 44 | 3.50 | 3.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 48 | 3.34 | -1.6 | | OTHER | |
| 53 | 3.18 | -6.3 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 55 | 2.42 | -28.7 | | COLORIMETRIC, INDOPHENOL | 4 |
| 56 | 4.29 | 26.3 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 57 | 3.50 | 3.1 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 58 | 3.66 | 7.8 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 65 | 2.92 | -14.0 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 69 | 3.46 | 1.9 | | NOT REPORTED | |
| 72 | 3.30 | -2.8 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 73 | 3.85 | 13.4 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 74 | 1.74 | -48.8 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 76 | 3.00 | -11.6 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 79 | 0.40 | -88.2 | REJECT | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 81 | 3.20 | -5.8 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 82 | 3.38 | -0.5 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 83 | 3.50 | 3.1 | | OTHER | |
| 85 | 3.42 | 0.7 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 86 | 3.71 | 9.3 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 91 | 3.60 | 6.0 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 93 | 4.16 | 22.5 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 94 | 3.37 | -0.8 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 95 | 3.65 | 7.5 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 96 | 3.62 | 6.6 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 99 | 2.49 | -26.7 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 104 | 5.16 | 52.0 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 108 | 0.34 | -90.0 | REJECT | COLORIMETRIC, INDOPHENOL | 4 |
| 109 | 2.90 | -14.6 | | NOT REPORTED | |
| 113 | 3.71 | 9.3 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 121 | 3.33 | -1.9 | | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 1,4 |
| 124 | 2.17 | -36.1 | | NOT REPORTED | |
| 128 | 3.80 | 11.9 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 142 | 3.60 | 6.0 | | COLORIMETRIC, PHENATE | 1,2,3 |

58 Labs had a total range of 0.34 to 24.00 and a mean of 3.396
with a standard deviation of 0.587 and a 95% confidence interval of the mean +/- 0.159.

Table 14 Standard Reference Water Sample N16 Report for NO2-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 6 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 7 | 1.14 | 4.4 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 8 | 1.12 | 2.6 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 12 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 13 | 1.20 | 9.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 14 | 1.21 | 10.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 15 | 1.00 | -8.4 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 20 | 1.10 | 0.7 | | ION CHROMATOGRAPHY | 2,3,6 |
| 22 | 2.20 | 101.4 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 23 | 1.12 | 2.6 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 24 | 0.89 | -18.5 | | NOT REPORTED | |
| 27 | 1.17 | 7.1 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 29 | 1.55 | 41.9 | REJECT | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 30 | 1.13 | 3.5 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 34 | 1.20 | 9.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 35 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 36 | 1.63 | 49.3 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 37 | 1.14 | 4.4 | | OTHER | |
| 38 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 40 | 1.21 | 10.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 41 | 1.61 | 47.4 | REJECT | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 43 | 1.07 | -2.0 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 44 | 3.44 | 215.0 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 46 | 1.02 | -6.6 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 48 | 1.08 | -1.1 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 53 | 1.08 | -1.1 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 55 | 0.93 | -14.8 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 56 | 0.73 | -33.2 | REJECT | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 57 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 58 | 1.09 | -0.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 59 | 1.08 | -1.1 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 65 | 1.09 | -0.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 72 | 1.00 | -8.4 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 74 | 1.08 | -1.1 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 76 | 1.05 | -3.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 79 | 1.40 | 28.2 | REJECT | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 81 | 1.40 | 28.2 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 83 | 1.08 | -1.1 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 85 | 1.11 | 1.6 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 86 | 1.06 | -2.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 91 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 93 | 1.06 | -2.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 95 | 1.20 | 9.9 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 99 | 1.01 | -7.5 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 108 | 1.00 | -8.4 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 109 | 1.09 | -0.2 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 113 | 1.13 | 3.5 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 121 | 1.12 | 2.6 | | OTHER | |
| 128 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |
| 142 | 1.10 | 0.7 | | COLORIMETRIC, DIAZOTIZATION | 1,3,4 |

51 Labs had a total range of 0.73 to 3.44 and a mean of 1.092
with a standard deviation of 0.067 and a 95% confidence interval of the mean +/- 0.021.

Table 14 Standard Reference Water Sample N16 Report for NO3-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | 1.29 | -34.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 6 | 1.68 | -14.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 7 | 1.86 | -5.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 8 | 1.68 | -14.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 10 | 1.90 | -3.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 12 | 1.88 | -4.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 13 | 1.80 | -8.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 14 | 2.98 | 52.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 20 | 0.03 | -98.5 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 22 | 1.70 | -13.2 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 23 | 1.52 | -22.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 24 | 1.95 | -0.5 | | NOT REPORTED | |
| 25 | 2.82 | 43.9 | | OTHER | |
| 27 | 2.02 | 3.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 29 | 2.79 | 42.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 30 | 1.54 | -21.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 32 | 2.60 | 32.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 33 | 2.73 | 39.3 | | NOT REPORTED | |
| 34 | 1.50 | -23.4 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 35 | 1.40 | -28.5 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 36 | 1.56 | -20.4 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 37 | 1.61 | -17.8 | | COLORIMETRIC, DEVARDA'S ALLOY REDUCTION, DIAZOTIZATION | 1 |
| 38 | 1.80 | -8.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 40 | 1.90 | -3.0 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 41 | 8.11 | 313.9 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 43 | 1.99 | 1.6 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 45 | 2.20 | 12.3 | | OTHER | |
| 46 | 2.65 | 35.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 47 | 2.10 | 7.2 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 48 | 1.76 | -10.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 49 | 1.59 | -18.8 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 53 | 2.63 | 34.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 55 | 3.03 | 54.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 56 | 2.05 | 4.6 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 57 | 1.60 | -18.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 58 | 2.63 | 34.2 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 59 | 2.36 | 20.5 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 65 | 1.70 | -13.2 | | OTHER | |
| 72 | 1.90 | -3.0 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 74 | 2.65 | 35.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 76 | 1.85 | -5.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 79 | 0.48 | -75.5 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 81 | 2.00 | 2.1 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 82 | 2.47 | 26.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 83 | 1.71 | -12.7 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 84 | 2.73 | 39.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 85 | 1.74 | -11.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 86 | 4.53 | 131.2 | REJECT | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 91 | 1.30 | -33.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 93 | 10.74 | 448.2 | REJECT | OTHER | |
| 95 | 1.36 | -30.6 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 96 | 2.67 | 36.3 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 99 | 1.78 | -9.2 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 104 | 1.66 | -15.3 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 108 | 1.75 | -10.7 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 121 | 1.61 | -17.8 | | OTHER | |
| 126 | 2.00 | 2.1 | | COLORIMETRIC, BRUCINE | 1,2,3,4 |
| 128 | 1.60 | -18.3 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |
| 142 | 1.70 | -13.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |

59 Labs had a total range of 0.03 to 10.74 and a mean of 1.959
with a standard deviation of 0.509 and a 95% confidence interval of the mean +/- 0.138.

Table 14 Standard Reference Water Sample N16 Report for ORG-N

| Code Number | Reported value | Pct. dev. from mean | Methods | References |
|---|---|---|---|---|
| 2 | 1.42 | -13.2 | COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE | 3,7 |
| 6 | 1.20 | -26.6 | COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION | 2,3,4 |
| 7 | 0.30 | -81.7 | OTHER | |
| 8 | 1.88 | 14.9 | COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE | 3,7 |
| 12 | 2.00 | 22.3 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 20 | 0.80 | -51.1 | COLORIMETRIC, DIGESTION, DISTILLATION, INDOPHENOL | 4 |
| 29 | 0.86 | -47.4 | OTHER | |
| 30 | 0.09 | -94.5 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 34 | 0.62 | -62.1 | DIGESTION, DISTILLATION, TITRATION | 2,3,4 |
| 35 | 2.00 | 22.3 | DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE | 1,2,3 |
| 37 | 2.54 | 55.3 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 38 | 0.90 | -45.0 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 40 | 0.71 | -56.6 | DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE | 1,2,3 |
| 43 | 0.90 | -45.0 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 48 | 3.04 | 85.8 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 53 | 4.70 | 187.3 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 55 | 0.82 | -49.9 | COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION | 2,3,4 |
| 57 | 1.30 | -20.5 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 58 | 0.39 | -76.2 | COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE | 3,7 |
| 65 | 4.43 | 170.8 | DIGESTION, DISTILLATION, TITRATION | 2,3,4 |
| 73 | 0.71 | -56.6 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 74 | 3.06 | 87.1 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 75 | 0.27 | -83.5 | DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE | 1,2,3 |
| 79 | 4.20 | 156.7 | COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION | 2,3,4 |
| 82 | 2.08 | 27.1 | OTHER | |
| 83 | 4.90 | 199.5 | DIGESTION, DISTILLATION, TITRATION | 2,3,4 |
| 85 | 1.33 | -18.7 | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 3,4 |
| 86 | 1.30 | -20.5 | COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE | 3,7 |
| 91 | 1.20 | -26.6 | OTHER | |
| 95 | 1.71 | 4.5 | COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION | 2,3,4 |
| 99 | 1.34 | -18.1 | COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION | 2,3,4 |
| 121 | 1.12 | -31.5 | OTHER | |
| 128 | 0.70 | -57.2 | NOT REPORTED | |
| 142 | 0.80 | -51.1 | NOT REPORTED | |

34 Labs had a total range of 0.09 to 4.90 and a mean of 1.636
with a standard deviation of 1.301 and a 95% confidence interval of the mean +/- 0.453.

**Table 14 Standard Reference Water Sample N16 Report for P, TOTAL**

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | 2.17 | 0.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 3 | 2.23 | 3.2 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 6 | 2.39 | 10.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 7 | 2.27 | 5.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 8 | 2.19 | 1.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 12 | 2.07 | -4.2 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 13 | 2.40 | 11.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 15 | 2.28 | 5.5 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 22 | 2.59 | 19.9 | | EMISSION, IC PLASMA | 3,5 |
| 23 | 2.52 | 16.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 29 | 1.57 | -27.3 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 30 | 2.36 | 9.2 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 33 | 1.51 | -30.1 | | NOT REPORTED | |
| 34 | 1.95 | -9.7 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 35 | 2.30 | 6.5 | | OTHER | |
| 37 | 1.94 | -10.2 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 38 | 2.10 | -2.8 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 40 | 2.28 | 5.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 41 | 2.00 | -7.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 43 | 1.90 | -12.0 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 44 | 1.25 | -42.1 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 47 | 2.60 | 20.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 48 | 2.26 | 4.6 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 49 | 2.26 | 4.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 53 | 2.35 | 8.8 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 55 | 4.47 | 106.9 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 56 | 0.88 | -59.3 | REJECT | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 57 | 2.00 | -7.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 58 | 2.30 | 6.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 59 | 2.04 | -5.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 65 | 2.06 | -4.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 69 | 1.45 | -32.9 | | NOT REPORTED | |
| 72 | 2.20 | 1.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 73 | 2.29 | 6.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 74 | 2.39 | 10.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 76 | 2.30 | 6.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 79 | 2.10 | -2.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 81 | 1.90 | -12.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 82 | 2.13 | -1.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 83 | 2.20 | 1.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 84 | 2.32 | 7.4 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 85 | 2.22 | 2.8 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 86 | 1.90 | -12.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 91 | 2.30 | 6.5 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 93 | 1.90 | -12.0 | | OTHER | |
| 95 | 2.26 | 4.6 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 96 | 2.27 | 5.1 | | OTHER | |
| 99 | 2.58 | 19.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 104 | 2.44 | 13.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 108 | 2.86 | 32.4 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 109 | 1.08 | -50.0 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 113 | 0.44 | -79.6 | REJECT | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 121 | 2.16 | -0.0 | | OTHER | |
| 126 | 1.62 | -25.0 | | COLORIMETRIC, H2S04/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 1,2,3,4 |
| 128 | 2.00 | -7.4 | | COLORIMETRIC,BLK DIG,H2S04, K&HG2S04, PHOSPHOMOLYBDATE | 4 |
| 142 | 2.40 | 11.1 | | EMISSION, IC PLASMA | 3,5 |

56 Labs had a total range of 0.44 to 4.47 and a mean of 2.160
with a standard deviation of 0.302 and a 95% confidence interval of the mean +/- 0.084.

Table 14 Standard Reference Water Sample N16 Report for PO4-P

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | 1.42 | -3.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 3 | < 0.05 | | IGNORED | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 6 | 1.47 | -0.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 7 | 1.44 | -2.1 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 8 | 1.40 | -4.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 10 | 1.50 | 2.0 | | ION CHROMATOGRAPHY | 2,3,6 |
| 12 | 1.42 | -3.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 13 | 1.40 | -4.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 14 | 2.08 | 41.5 | REJECT | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 15 | 1.42 | -3.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 20 | 1.50 | 2.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 22 | 0.09 | -93.9 | REJECT | ION CHROMATOGRAPHY | 2,3,6 |
| 23 | 1.44 | -2.1 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 24 | 1.50 | 2.0 | | NOT REPORTED | |
| 25 | 1.67 | 13.6 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 27 | 1.67 | 13.6 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 29 | 0.09 | -93.9 | REJECT | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 30 | 1.50 | 2.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 34 | 1.35 | -8.2 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 35 | 1.44 | -2.1 | | OTHER | |
| 36 | 1.46 | -0.7 | | ION CHROMATOGRAPHY | 2,3,6 |
| 37 | 1.51 | 2.7 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 38 | 1.30 | -11.6 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 40 | 1.44 | -2.1 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 41 | 1.47 | -0.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 43 | 1.48 | 0.7 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 46 | 0.97 | -34.0 | REJECT | OTHER | |
| 47 | 1.70 | 15.6 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 48 | 1.26 | -14.3 | | OTHER | |
| 49 | 1.54 | 4.7 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 55 | 1.20 | -18.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 56 | 2.71 | 84.3 | REJECT | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 57 | 1.40 | -4.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 58 | 1.54 | 4.7 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 59 | 1.40 | -4.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 65 | 1.48 | 0.7 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 69 | 1.16 | -21.1 | | NOT REPORTED | |
| 74 | 1.55 | 5.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 76 | 1.50 | 2.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 79 | 1.50 | 2.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 81 | 1.80 | 22.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 82 | 1.42 | -3.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 83 | 1.40 | -4.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 84 | 1.44 | -2.1 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 85 | 1.48 | 0.7 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 86 | 1.62 | 10.2 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 91 | 1.40 | -4.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 93 | 1.50 | 2.0 | | OTHER | |
| 95 | 1.45 | -1.4 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 99 | 1.58 | 7.5 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 104 | 1.50 | 2.0 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 108 | 0.44 | -70.1 | REJECT | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 109 | 0.70 | -52.4 | REJECT | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 113 | 1.35 | -8.2 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 128 | 1.60 | 8.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |
| 142 | 1.60 | 8.8 | | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 1,2,3,4 |

56 Labs had a total range of 0.09 to 2.71 and a mean of 1.470
with a standard deviation of 0.118 and a 95% confidence interval of the mean +/- 0.034.

Table 15. Statistics by method for standard reference sample N16

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| NH3-N | COLORIMETRIC, DISTILLATION, NESSLERIZATION | 0.400 | 4.160 | 2.753 | 1.079 | 10 |
| | COLORIMETRIC, INDOPHENOL | 0.340 | 4.170 | 2.786 | 1.506 | 5 |
| | COLORIMETRIC, PHENATE | 3.080 | 4.500 | 3.509 | 0.247 | 20 |
| | ION SELECTIVE ELECTRODE | 2.920 | 24.000 | 3.503 | 0.397 | 12 |
| | NOT REPORTED | 1.990 | 3.460 | 2.630 | 0.679 | 4 |
| | OTHER | 3.340 | 3.500 | ----- | ----- | - |
| | _OVER-ALL_ | 0.340 | 24.000 | 3.396 | 0.587 | 55 |
| NO2-N | COLORIMETRIC, DIAZOTIZATION | 0.730 | 1.610 | 1.095 | 0.062 | 39 |
| | ION CHROMATOGRAPHY | 1.100 | 3.440 | 1.954 | 0.923 | 5 |
| | _OVER-ALL_ | 0.730 | 3.440 | 1.092 | 0.067 | 43 |
| NO3-N | COLORIMETRIC, BRUCINE | 1.400 | 2.100 | 1.972 | 0.115 | 6 |
| | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 0.030 | 8.110 | 1.869 | 0.660 | 32 |
| | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 1.600 | 2.630 | 2.030 | 0.433 | 4 |
| | ION CHROMATOGRAPHY | 1.560 | 1.900 | 1.688 | 0.154 | 4 |
| | OTHER | 1.610 | 10.740 | 2.083 | 0.556 | 4 |
| | _OVER-ALL_ | 0.030 | 10.740 | 1.959 | 0.509 | 55 |
| ORG-N | COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE | 0.090 | 4.700 | 1.870 | 1.352 | 11 |
| | COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION | 0.820 | 4.200 | 1.268 | 0.368 | 4 |
| | COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE | 0.390 | 1.880 | 1.248 | 0.624 | 4 |
| | DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE | 0.270 | 2.000 | 0.993 | 0.899 | 3 |
| | DIGESTION, DISTILLATION, TITRATION | 0.620 | 4.900 | 3.317 | 2.347 | 3 |
| | OTHER | 0.300 | 2.080 | 1.112 | 0.646 | 5 |
| | _OVER-ALL_ | 0.090 | 4.900 | 1.636 | 1.301 | 34 |
| P, TOTAL | COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD | 0.440 | 4.470 | 2.210 | 0.256 | 35 |
| | COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE | 0.880 | 2.350 | 2.144 | 0.181 | 8 |
| | OTHER | 1.900 | 2.300 | 2.158 | 0.182 | 4 |
| | _OVER-ALL_ | 0.440 | 4.470 | 2.160 | 0.302 | 52 |
| PO4-P | COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE | 0.090 | 2.710 | 1.482 | 0.112 | 41 |
| | ION CHROMATOGRAPHY | 0.090 | 1.500 | ----- | ----- | - |
| | OTHER | 0.970 | 1.500 | 1.293 | 0.238 | 4 |
| | _OVER-ALL_ | 0.090 | 2.710 | 1.470 | 0.118 | 48 |

Table 16 Standard Reference Water Sample P8 Report for ACID@CACO3

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 0.1 | | IGNORED | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 2 | 1.0 | -81.0 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 8 | < 5.0 | | IGNORED | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 13 | 6.0 | 14.1 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 19 | 15.0 | 185.3 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 30 | 0.8 | -84.8 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 37 | 1.7 | -67.7 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 38 | 2.0 | -62.0 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 41 | 44.0 | 736.8 | REJECT | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 53 | 5.0 | -4.9 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 57 | < 0.1 | | IGNORED | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |
| 64 | 2.0 | -62.0 | | 'TITRATION, COLORIMETRIC' | 1,2,3 |
| 83 | 2.0 | -62.0 | | 'TITRATION, COLORIMETRIC' | 1,2,3 |
| 102 | 12.6 | 139.6 | | OTHER | |
| 104 | 2.0 | -62.0 | | 'TITRATION, COLORIMETRIC' | 1,2,3 |
| 112 | 13.0 | 147.2 | | 'TITRATION, ELECTROMETRIC' | 1,2,3,4 |

16 Labs had a total range of 0.8 to 44.0 and a mean of 5.26
with a standard deviation of 5.24 and a 95% confidence interval of the mean +/- 3.33.

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Table 16 Standard Reference Water Sample P8 Report for AG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 2 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 8 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 10 | < 0.3 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | < 0.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | < 20.0 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 30 | 0.2 | -88.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 43 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 1.2 | -33.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 4.0 | 122.2 | | EMISSION, IC PLASMA | 3 |
| 50 | < 6.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 53 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 0.0 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK) | 1,2,4 |
| 83 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 104 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3 |
| 110 | 60.0 | 3233.3 | REJECT | EMISSION, IC PLASMA | 3 |
| 124 | < 20.0 | | IGNORED | NOT REPORTED | |
| 142 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |

23 Labs had a total range of 0.2 to 60.0.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

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Table 16 Standard Reference Water Sample P8 Report for CA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 31.000 | 1E+04 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 0.220 | -6.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 0.280 | 19.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | 0.260 | 10.6 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 13 | 0.251 | 6.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | <4.000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 0.260 | 10.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 1.000 | 325.5 | REJECT | EMISSION, IC PLASMA | 3,5,7 |
| 26 | 0.230 | -2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 0.200 | -14.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 0.300 | 27.7 | | NOT REPORTED | |
| 37 | 0.190 | -19.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 0.180 | -23.4 | | EMISSION, IC PLASMA | 3,5,7 |
| 40 | 0.250 | 6.4 | | EMISSION, IC PLASMA | 3,5,7 |
| 41 | <0.010 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 43 | 0.250 | 6.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 0.250 | 6.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 49 | 0.220 | -6.4 | | EMISSION, IC PLASMA | 3,5,7 |
| 50 | <50.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 0.216 | -8.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 53 | <1.000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 0.200 | -14.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 64 | 0.230 | -2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 0.160 | -31.9 | | EMISSION, IC PLASMA | 3,5,7 |
| 71 | 0.184 | -21.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 0.240 | 2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | <0.200 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 86 | 0.300 | 27.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 0.230 | -2.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 0.250 | 6.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 0.420 | 78.7 | REJECT | EMISSION, IC PLASMA | 3,5,7 |
| 111 | 0.200 | -14.9 | | EMISSION, IC PLASMA | 3,5,7 |
| 112 | 0.300 | 27.7 | | OTHER | |
| 113 | 0.600 | 155.3 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | <0.010 | | IGNORED | NOT REPORTED | |
| 125 | 0.194 | -17.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | 0.300 | 27.7 | | EMISSION, IC PLASMA | 3,5,7 |

37 Labs had a total range of 0.160 to 31.00 and a mean of .2350
with a standard deviation of .0396 and a 95% confidence interval of the mean +/- .0157.

Table 16 Standard Reference Water Sample P8 Report for CD

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK) | 1,4 |
| 2 | 0.05 | -95.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | < 5.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | < 5.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 0.20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | 0.08 | -93.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | 0.20 | -82.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 0.12 | -89.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | < 0.01 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 5.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 0.05 | -95.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 1.00 | -13.5 | | EMISSION, IC PLASMA | 3,5 |
| 50 | 5.00 | 332.3 | | ANODIC STRIPPING VOLTAMMETRY, DIFFERENTIAL PULSE | 2 |
| 51 | 0.08 | -93.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | < 0.20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 0.10 | | IGNORED | OTHER | |
| 83 | < 5.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 2.00 | 72.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION,(PDCA/CHCL3) | 2,3 |
| 110 | 5.00 | 332.3 | | EMISSION, IC PLASMA | 3,5 |
| 112 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | <10.00 | | IGNORED | NOT REPORTED | |
| 142 | 0.10 | -91.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 144 | 0.20 | -82.7 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

28 Labs had a total range of 0.05 to 5.00.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

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Table 16 Standard Reference Water Sample P8 Report for CL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <1.000 | | IGNORED | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 2 | 0.500 | 200.5 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 6 | 0.100 | -39.9 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 13 | <1.000 | | IGNORED | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 15 | <0.500 | | IGNORED | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 19 | 0.050 | -70.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 22 | 0.100 | -39.9 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 26 | 0.080 | -51.9 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 30 | <0.200 | | IGNORED | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 37 | 1.540 | 825.5 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 38 | <0.100 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6,7 |
| 40 | <0.001 | | IGNORED | TITRATION, SILVER NITRATE | 1,2,4 |
| 41 | 2.000 | 1101.9 | REJECT | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 43 | 0.100 | -39.9 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 47 | 0.084 | -49.5 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 49 | 0.370 | 122.4 | | NOT REPORTED | |
| 51 | 0.099 | -40.5 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 53 | <2.000 | | IGNORED | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 57 | 0.150 | -9.9 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 67 | 0.096 | -42.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 71 | 0.102 | -38.7 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 82 | 0.400 | 140.4 | | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 83 | <1.000 | | IGNORED | TITRATION, SILVER NITRATE | 1,2,4 |
| 86 | <0.500 | | IGNORED | COLORIMETRIC, FERRIC THIOCYANATE | 1,2,3,4 |
| 102 | 0.370 | 122.4 | | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 104 | <1.000 | | IGNORED | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 112 | <0.500 | | IGNORED | TITRATION, MERCURIC NITRATE | 1,2,3,4 |
| 118 | 0.070 | -57.9 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 119 | 0.213 | 28.0 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 124 | 1.400 | 741.3 | REJECT | NOT REPORTED | |
| 125 | 0.071 | -57.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 142 | 0.040 | -76.0 | | ION CHROMATOGRAPHY | 2,3,6,7 |

32 Labs had a total range of 0.040 to 2.000 and a mean of .1664
with a standard deviation of .1415 and a 95% confidence interval of the mean +/- .0704.

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Table 16 Standard Reference Water Sample P8 Report for CO

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 6 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 25.60 | 36.2 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 15 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | < 0.01 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 0.30 | | IGNORED | OTHER | |
| 83 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 12.00 | -36.2 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 124 | <10.00 | | IGNORED | NOT REPORTED | |
| 142 | < 3.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

14 Labs had a total range of 12.00 to 25.60.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

Table 16 Standard Reference Water Sample P8 Report for CR TOT

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 2 | < 0.20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 6 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | < 0.60 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | <50.00 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 15 | < 0.50 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | <50.00 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 30 | 1.00 | -9.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | 1.00 | -9.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 0.70 | -36.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 1.80 | 62.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | < 0.05 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 2.00 | 80.2 | | EMISSION, IC PLASMA | 3 |
| 53 | <30.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 0.16 | -85.6 | | OTHER | |
| 83 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 8.00 | 620.7 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | <20.00 | | IGNORED | NOT REPORTED | |
| 142 | < 5.00 | | IGNORED | EMISSION, IC PLASMA | 3 |

23 Labs had a total range of 0.16 to 8.00 and a mean of 1.110
with a standard deviation of 0.688 and a 95% confidence interval of the mean +/- 0.722.

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Table 16 Standard Reference Water Sample P8 Report for CU

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 2 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | < 5.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 15 | 0.60 | -71.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | 2.00 | -6.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | < 0.01 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 1.80 | -15.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 0.73 | -65.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 5.00 | 134.1 | | EMISSION, IC PLASMA | 3,5 |
| 51 | 0.76 | -64.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | 0.70 | -67.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | 0.50 | -76.6 | | OTHER | |
| 83 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 35.00 | 1539.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 110 | 10.00 | 368.3 | REJECT | NOT REPORTED | |
| 112 | <10.00 | | IGNORED | OTHER | |
| 113 | 5.00 | 134.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | < 3.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | <10.00 | | IGNORED | NOT REPORTED | |
| 142 | 5.00 | 134.1 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 1.40 | -34.4 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

28 Labs had a total range of 0.50 to 35.00 and a mean of 2.136
with a standard deviation of 1.904 and a 95% confidence interval of the mean +/- 1.279.

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Table 16 Standard Reference Water Sample P8 Report for F

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 0.290 | 181.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 2 | 0.040 | -61.1 | | OTHER | |
| 6 | <0.050 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 8 | 0.100 | -2.8 | | COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE" | 3 |
| 13 | <0.100 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 15 | <0.100 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 22 | <0.100 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6 |
| 30 | 0.008 | -92.2 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 37 | <0.050 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 38 | 0.020 | -80.6 | | ION CHROMATOGRAPHY | 2,3,6 |
| 40 | 0.030 | -70.8 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 41 | 0.190 | 84.6 | | COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE" | 1 |
| 47 | 0.018 | -82.5 | | ION CHROMATOGRAPHY | 2,3,6 |
| 49 | 0.100 | -2.8 | | ION CHROMATOGRAPHY | 2,3,6 |
| 50 | <20.00 | | IGNORED | COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE" | 3 |
| 51 | 0.022 | -78.6 | | ION CHROMATOGRAPHY | 2,3,6 |
| 57 | 0.260 | 152.7 | | ION CHROMATOGRAPHY | 2,3,6 |
| 83 | <0.200 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 86 | <0.500 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 104 | 0.210 | 104.1 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 112 | <0.010 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 142 | 0.050 | -51.4 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |

22 Labs had a total range of 0.008 to 0.290 and a mean of .1029
with a standard deviation of .1002 and a 95% confidence interval of the mean +/- .0606.

Table 16 Standard Reference Water Sample P8 Report for FE

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 20.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 2 | 15.8 | 37.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | < 50.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | < 10.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 15 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | < 30.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | < 10.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | < 0.1 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | < 30.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 0.4 | -96.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 1.0 | -91.3 | | EMISSION, IC PLASMA | 3,5 |
| 50 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | < 50.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 1.6 | -86.1 | | EMISSION, IC PLASMA | 3,5 |
| 83 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 8.0 | -30.3 | | EMISSION, IC PLASMA | 3,5 |
| 112 | < 10.0 | | IGNORED | OTHER | |
| 113 | 29.5 | 157.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | < 10.0 | | IGNORED | NOT REPORTED | |
| 142 | 24.0 | 109.2 | | EMISSION, IC PLASMA | 3,5 |

28 Labs had a total range of 0.4 to 29.5.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

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Table 16 Standard Reference Water Sample P8 Report for K

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 0.040 | -24.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | 0.060 | 12.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | 0.090 | 69.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 0.081 | 52.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 0.020 | -62.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | <1.000 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 26 | 0.060 | 12.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 0.041 | -22.9 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 37 | 0.030 | -43.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 0.020 | -62.4 | | EMISSION, IC PLASMA | 3 |
| 41 | 0.090 | 69.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 0.040 | -24.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 0.060 | 12.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 53 | <0.500 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 0.020 | -62.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 64 | <0.001 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 0.064 | 20.3 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 71 | 0.055 | 3.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 0.061 | 14.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 0.150 | 182.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 0.030 | -43.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 1.900 | 3471.4 | REJECT | EMISSION, IC PLASMA | 3 |
| 112 | 0.070 | 31.6 | | OTHER | |
| 113 | 0.080 | 50.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 125 | 0.051 | -4.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | <0.300 | | IGNORED | EMISSION, IC PLASMA | 3 |

31 Labs had a total range of 0.020 to 1.900 and a mean of .0532
with a standard deviation of .0226 and a 95% confidence interval of the mean +/- .0106.

Table 16 Standard Reference Water Sample P8 Report for MG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | <0.500 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 0.020 | -38.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | 0.040 | 22.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 13 | 0.030 | -8.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 15 | <2.400 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 0.030 | -8.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | <1.000 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 26 | 0.030 | -8.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 0.024 | -26.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 0.100 | 206.7 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 0.020 | -38.7 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 0.030 | -8.0 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 0.020 | -38.7 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 43 | 0.028 | -14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 0.040 | 22.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 49 | 0.030 | -8.0 | | EMISSION, IC PLASMA | 3,5 |
| 50 | <6.000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 0.025 | -23.3 | | EMISSION, IC PLASMA | 3,5 |
| 53 | <0.500 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 0.040 | 22.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 64 | 0.036 | 10.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 0.026 | -20.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 71 | 0.022 | -32.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 0.027 | -17.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 102 | 0.040 | 22.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 0.030 | -8.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 0.110 | 237.4 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 111 | 0.060 | 84.0 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 0.050 | 53.4 | | OTHER | |
| 113 | 0.050 | 53.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | <0.010 | | IGNORED | NOT REPORTED | |
| 125 | 0.028 | -14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | 0.040 | 22.7 | | EMISSION, IC PLASMA | 3,5 |

35 Labs had a total range of 0.020 to 0.110 and a mean of .0326
with a standard deviation of .0102 and a 95% confidence interval of the mean +/- .0042.

Table 16 Standard Reference Water Sample P8 Report for MN

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 2 | 6.70 | -2.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | <10.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 22 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | 8.00 | 16.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | 10.00 | 45.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | < 5.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | 6.00 | -12.7 | | EMISSION, IC PLASMA | 3,5 |
| 41 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 7.80 | 13.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 6.10 | -11.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 8.00 | 16.4 | | EMISSION, IC PLASMA | 3,5 |
| 50 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 7.36 | 7.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 6.00 | -12.7 | | OTHER | |
| 67 | 4.00 | -41.8 | | EMISSION, IC PLASMA | 3,5 |
| 83 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 86 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 5.00 | -27.2 | | EMISSION, IC PLASMA | 3,5 |
| 112 | <10.00 | | IGNORED | OTHER | |
| 113 | 14.00 | 103.7 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | <40.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | <10.00 | | IGNORED | NOT REPORTED | |
| 142 | 7.50 | 9.1 | | EMISSION, IC PLASMA | 3,5 |

29 Labs had a total range of 4.00 to 14.00 and a mean of 6.872
with a standard deviation of 1.588 and a 95% confidence interval of the mean +/- 1.009.

Table 16 Standard Reference Water Sample P8 Report for NA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 0.100 | 0.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 2 | 0.080 | -19.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 0.210 | 111.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | 0.120 | 21.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 10 | 0.160 | 61.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 0.270 | 172.5 | | EMISSION, IC PLASMA | 3,5 |
| 15 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 19 | 0.040 | -59.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 3.000 | 2927.2 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 26 | 0.040 | -59.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 30 | 0.052 | -47.5 | | EMISSION, FLAME | 1,2 |
| 37 | 0.079 | -20.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 0.060 | -39.5 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 0.070 | -29.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 0.020 | -79.8 | | EMISSION, FLAME | 1,2 |
| 47 | 0.070 | -29.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 51 | 0.144 | 45.3 | | EMISSION, IC PLASMA | 3,5 |
| 53 | <5.000 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 0.070 | -29.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 64 | 0.020 | -79.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 67 | 0.084 | -15.2 | | EMISSION, FLAME | 1,2 |
| 71 | 0.079 | -20.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 72 | 0.063 | -36.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 83 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 0.500 | 404.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 0.130 | 31.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 0.250 | 152.3 | | EMISSION, IC PLASMA | 3,5 |
| 112 | 0.090 | -9.2 | | OTHER | |
| 118 | <0.100 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 125 | 0.078 | -21.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | 0.400 | 303.6 | REJECT | EMISSION, IC PLASMA | 3,5 |

33 Labs had a total range of 0.020 to 3.000 and a mean of .0991
with a standard deviation of .0661 and a 95% confidence interval of the mean +/- .0279.

Table 16 Standard Reference Water Sample P8 Report for NH3-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <0.020 | | IGNORED | OTHER | |
| 6 | 0.022 | -19.4 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 8 | 0.030 | 9.9 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 10 | <0.040 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 13 | 0.040 | 46.5 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 15 | <0.020 | | IGNORED | OTHER | |
| 22 | <0.100 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 26 | 0.020 | -26.7 | | COLORIMETRIC, INDOPHENOL | 4 |
| 30 | 0.034 | 24.5 | | COLORIMETRIC, INDOPHENOL | 4 |
| 37 | <0.050 | | IGNORED | COLORIMETRIC, PHENATE | 1,2,3 |
| 38 | 0.020 | -26.7 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 40 | <0.100 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 41 | 0.020 | -26.7 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 43 | <0.100 | | IGNORED | COLORIMETRIC, PHENATE | 1,2,3 |
| 44 | 0.150 | 449.5 | REJECT | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 50 | 0.030 | 9.9 | | NOT REPORTED | |
| 57 | 0.044 | 61.2 | | COLORIMETRIC, INDOPHENOL | 4 |
| 64 | 0.020 | -26.7 | | COLORIMETRIC, INDOPHENOL | 4 |
| 67 | 0.025 | -8.4 | | COLORIMETRIC, INDOPHENOL | 4 |
| 71 | 0.015 | -45.1 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 72 | 0.020 | -26.7 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 82 | 0.027 | -1.1 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 83 | <0.100 | | IGNORED | OTHER | |
| 86 | 0.050 | 83.2 | | COLORIMETRIC, PHENATE | 1,2,3 |
| 104 | 0.020 | -26.7 | | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 109 | <0.050 | | IGNORED | ION SELECTIVE ELECTRODE | 1,2,3,4 |
| 112 | <0.010 | | IGNORED | COLORIMETRIC, PHENATE | 1,2,3 |
| 142 | <0.100 | | IGNORED | COLORIMETRIC, PHENATE | 1,2,3 |

28 Labs had a total range of 0.015 to 0.150 and a mean of .0273
with a standard deviation of .0101 and a 95% confidence interval of the mean +/- .0054.

Table 16 Standard Reference Water Sample P8 Report for NO3-N

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <1.000 | | IGNORED | ION CHROMATOGRAPHY | 2,3,6,7 |
| 6 | 0.069 | 48.1 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 8 | 0.050 | 7.3 | | | |
| 22 | 0.050 | 7.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 26 | 0.050 | 7.3 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 49 | 0.150 | 221.9 | REJECT | ION CHROMATOGRAPHY | 2,3,6,7 |
| 51 | 0.278 | 496.6 | REJECT | ION CHROMATOGRAPHY | 2,3,6,7 |
| 64 | 0.062 | 33.0 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 67 | 0.060 | 28.8 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 71 | 0.056 | 20.2 | | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 1,2,3,4 |
| 118 | 0.060 | 28.8 | | ION CHROMATOGRAPHY | 2,3,6,7 |
| 119 | 0.009 | -80.7 | | COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION | 3 |

13 Labs had a total range of 0.000 to 0.278 and a mean of .0466
with a standard deviation of .0231 and a 95% confidence interval of the mean +/- .0165.

Table 16 Standard Reference Water Sample P8 Report for PB

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 2 | 0.15 | -72.9 | | ANODIC STRIPPING VOLTAMMETRY | 2 |
| 6 | <50.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | 30.00 | 5315.2 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 10 | < 3.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 4.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | < 0.20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | <50.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | 0.20 | -63.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 10.00 | 1705.1 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | < 5.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 43 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 0.75 | 35.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 50 | <25.00 | | IGNORED | ANODIC STRIPPING VOLTAMMETRY | 2 |
| 51 | 0.77 | 39.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | < 2.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 0.30 | | IGNORED | OTHER | |
| 83 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | < 2.00 | | IGNORED | ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3) | 2,3 |
| 110 | 100. | 2E+04 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 112 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 124 | <50.00 | | IGNORED | NOT REPORTED | |
| 142 | < 4.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 144 | 0.90 | 62.5 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

26 Labs had a total range of 0.15 to 100.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

Table 16 Standard Reference Water Sample P8 Report for PH

| Code Number | Reported value | Pct. dev. from mean | Methods | References |
|---|---|---|---|---|
| 1 | 5.90 | -4.0 | ELECTROMETRIC | 1,2,3,4 |
| 2 | 5.98 | -2.7 | ELECTROMETRIC | 1,2,3,4 |
| 6 | 6.00 | -2.4 | ELECTROMETRIC | 1,2,3,4 |
| 8 | 5.70 | -7.3 | ELECTROMETRIC | 1,2,3,4 |
| 10 | 6.80 | 10.6 | ELECTROMETRIC | 1,2,3,4 |
| 13 | 6.48 | 5.4 | ELECTROMETRIC | 1,2,3,4 |
| 15 | 7.10 | 15.5 | ELECTROMETRIC | 1,2,3,4 |
| 22 | 7.75 | 26.0 | ELECTROMETRIC | 1,2,3,4 |
| 26 | 5.85 | -4.9 | ELECTROMETRIC | 1,2,3,4 |
| 30 | 6.28 | 2.1 | ELECTROMETRIC | 1,2,3,4 |
| 33 | 8.19 | 33.2 | NOT REPORTED | |
| 37 | 6.09 | -1.0 | ELECTROMETRIC | 1,2,3,4 |
| 38 | 6.19 | 0.7 | ELECTROMETRIC | 1,2,3,4 |
| 40 | 6.19 | 0.7 | ELECTROMETRIC | 1,2,3,4 |
| 41 | 5.10 | -17.1 | ELECTROMETRIC | 1,2,3,4 |
| 43 | 6.09 | -1.0 | ELECTROMETRIC | 1,2,3,4 |
| 44 | 8.20 | 33.4 | ELECTROMETRIC | 1,2,3,4 |
| 47 | 4.60 | -25.2 | ELECTROMETRIC | 1,2,3,4 |
| 50 | 5.08 | -17.4 | NOT REPORTED | |
| 53 | 5.57 | -9.4 | ELECTROMETRIC | 1,2,3,4 |
| 57 | 4.60 | -25.2 | ELECTROMETRIC | 1,2,3,4 |
| 64 | 6.10 | -0.8 | ELECTROMETRIC | 1,2,3,4 |
| 67 | 5.66 | -7.9 | ELECTROMETRIC | 1,2,3,4 |
| 71 | 5.67 | -7.8 | ELECTROMETRIC | 1,2,3,4 |
| 83 | 5.80 | -5.7 | ELECTROMETRIC | 1,2,3,4 |
| 86 | 5.85 | -4.9 | ELECTROMETRIC | 1,2,3,4 |
| 102 | 8.00 | 30.1 | ELECTROMETRIC | 1,2,3,4 |
| 104 | 5.49 | -10.7 | ELECTROMETRIC | 1,2,3,4 |
| 111 | 8.30 | 35.0 | ELECTROMETRIC | 1,2,3,4 |
| 112 | 5.80 | -5.7 | ELECTROMETRIC | 1,2,3,4 |
| 113 | 6.22 | 1.2 | ELECTROMETRIC | 1,2,3,4 |
| 118 | 6.01 | -2.3 | ELECTROMETRIC | 1,2,3,4 |
| 142 | 4.26 | -30.7 | ELECTROMETRIC | 1,2,3,4 |

33 Labs had a total range of 4.26 to 8.30 and a mean of 6.149
with a standard deviation of 1.017 and a 95% confidence interval of the mean +/- 0.359.

Table 16 Standard Reference Water Sample P8 Report for SO4

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <2.000 | | IGNORED | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 2 | <2.500 | | IGNORED | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 6 | 0.310 | -57.0 | | ION CHROMATOGRAPHY | 2,6,7 |
| 8 | <5.000 | | IGNORED | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 13 | <10.00 | | IGNORED | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 15 | <5.000 | | IGNORED | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 19 | 0.710 | -1.5 | | ION CHROMATOGRAPHY | 2,6,7 |
| 22 | 0.390 | -45.9 | | ION CHROMATOGRAPHY | 2,6,7 |
| 26 | 0.350 | -51.5 | | ION CHROMATOGRAPHY | 2,6,7 |
| 30 | <1.000 | | IGNORED | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 33 | 25.00 | 3366.9 | REJECT | NOT REPORTED | |
| 37 | 2.390 | 231.4 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 38 | 0.300 | -58.4 | | ION CHROMATOGRAPHY | 2,6,7 |
| 40 | <0.001 | | IGNORED | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 41 | 7.000 | 870.7 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 43 | <1.000 | | IGNORED | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 47 | 78.90 | 1E+04 | REJECT | ION CHROMATOGRAPHY | 2,6,7 |
| 49 | 0.880 | 22.0 | | ION CHROMATOGRAPHY | 2,6,7 |
| 50 | <1.000 | | IGNORED | NOT REPORTED | |
| 51 | 0.335 | -53.5 | | ION CHROMATOGRAPHY | 2,6,7 |
| 53 | 5.000 | 593.4 | REJECT | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 57 | 0.330 | -54.2 | | ION CHROMATOGRAPHY | 2,6,7 |
| 67 | 0.126 | -82.5 | | ION CHROMATOGRAPHY | 2,6,7 |
| 71 | 0.417 | -42.2 | | ION CHROMATOGRAPHY | 2,6,7 |
| 83 | 4.000 | 454.7 | REJECT | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 86 | 0.800 | 10.9 | | COLORIMETRIC, METHYL THYMOL BLUE | 1,3,4 |
| 104 | 2.000 | 177.4 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 112 | <1.000 | | IGNORED | TURBIDIMETRIC, BARIUM SULFATE | 1,2,3 |
| 113 | 2.100 | 191.2 | | GRAVIMETRIC, BARIUM SULFATE | 1,2,3 |
| 118 | 0.500 | -30.7 | | ION CHROMATOGRAPHY | 2,6,7 |
| 119 | 0.301 | -58.3 | | ION CHROMATOGRAPHY | 2,6,7 |
| 125 | 0.370 | -48.7 | | ION CHROMATOGRAPHY | 2,6,7 |
| 142 | 0.370 | -48.7 | | ION CHROMATOGRAPHY | 2,6,7 |

33 Labs had a total range of 0.126 to 78.90 and a mean of .7211
with a standard deviation of .6932 and a 95% confidence interval of the mean +/- .3447.

Table 16 Standard Reference Water Sample P8 Report for SP. COND.

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | 2.00 | -55.7 | | DIRECT READING INSTRUMENT | 4 |
| 2 | 3.42 | -24.3 | | DIRECT READING INSTRUMENT | 4 |
| 6 | 3.80 | -15.9 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 8 | 4.00 | -11.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 10 | 2.91 | -35.6 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 13 | 6.90 | 52.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 15 | 32.00 | 608.4 | REJECT | DIRECT READING INSTRUMENT | 4 |
| 22 | 4.11 | -9.0 | | DIRECT READING INSTRUMENT | 4 |
| 26 | 4.10 | -9.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 30 | 3.40 | -24.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 33 | 17.00 | 276.3 | REJECT | NOT REPORTED | |
| 37 | 4.00 | -11.4 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 38 | 2.80 | -38.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 40 | 5.00 | 10.7 | | DIRECT READING INSTRUMENT | 4 |
| 41 | 7.00 | 55.0 | | DIRECT READING INSTRUMENT | 4 |
| 43 | < 1.00 | | IGNORED | DIRECT READING INSTRUMENT | 4 |
| 47 | 8.70 | 92.6 | | DIRECT READING INSTRUMENT | 4 |
| 50 | 5.70 | 26.2 | | NOT REPORTED | |
| 53 | 481. | 1E+04 | REJECT | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 57 | 6.00 | 32.8 | | DIRECT READING INSTRUMENT | 4 |
| 64 | 3.20 | -29.2 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 67 | 4.33 | -4.1 | | DIRECT READING INSTRUMENT | 4 |
| 71 | 3.16 | -30.0 | | DIRECT READING INSTRUMENT | 4 |
| 72 | 2.70 | -40.2 | | DIRECT READING INSTRUMENT | 4 |
| 82 | 4.00 | -11.4 | | DIRECT READING INSTRUMENT | 4 |
| 83 | 3.17 | -29.8 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 86 | 4.70 | 4.0 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 102 | 4.80 | 6.3 | | DIRECT READING INSTRUMENT | 4 |
| 104 | 5.00 | 10.7 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 109 | 6.80 | 50.5 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 111 | 6.40 | 41.7 | | DIRECT READING INSTRUMENT | 4 |
| 118 | 3.00 | -33.6 | | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 1,2,3,4 |
| 142 | 5.90 | 30.6 | | DIRECT READING INSTRUMENT | 4 |

33 Labs had a total range of 2.00 to 481. and a mean of 4.517
with a standard deviation of 1.595 and a 95% confidence interval of the mean +/- 0.606.

Table 16 Standard Reference Water Sample P8 Report for TL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 6 | < 50.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 8 | <100.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 13 | < 4.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 15 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | <500.0 | | IGNORED | NOT REPORTED | |
| 38 | < 50.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 41 | <200.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 43 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 47 | 0.3 | -40.0 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 57 | < 0.2 | | IGNORED | OTHER | |
| 83 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 104 | < 20.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,3 |
| 110 | 600.0 | 1E+05 | REJECT | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |
| 112 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 142 | < 2.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 144 | 0.7 | 40.0 | REJECT | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

16 Labs had a total range of 0.3 to 600.0 and a mean of 0.50
with a standard deviation of 0.45 and a 95% confidence interval of the mean +/- 0.00.

Table 16 Standard Reference Water Sample P8 Report for ZN

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 1 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 2 | 4.60 | -47.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 6 | 6.00 | -31.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 8 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 13.40 | 53.6 | | EMISSION, IC PLASMA | 3,5 |
| 22 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | 12.00 | 37.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 13.00 | 49.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | <10.00 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 40 | 11.00 | 26.1 | | EMISSION, IC PLASMA | 3,5 |
| 41 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 5.00 | -42.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 47 | 110. | 1161.0 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 49 | 6.00 | -31.2 | | EMISSION, IC PLASMA | 3,5 |
| 51 | 7.10 | -18.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 53 | <10.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 57 | 3.70 | -57.6 | | OTHER | |
| 67 | 4.10 | -53.0 | | EMISSION, IC PLASMA | 3,5 |
| 83 | 20.00 | 129.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 102 | 4.00 | -54.1 | | ANODIC STRIPPING VOLTAMMETRY | |
| 104 | 4.00 | -54.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 110 | 11.00 | 26.1 | | EMISSION, IC PLASMA | 3,5 |
| 112 | <10.00 | | IGNORED | OTHER | |
| 113 | 14.70 | 68.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 118 | <20.00 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 124 | <10.00 | | IGNORED | NOT REPORTED | |
| 142 | 8.70 | -0.3 | | EMISSION, IC PLASMA | 3,5 |

27 Labs had a total range of 3.70 to 110. and a mean of 8.724
with a standard deviation of 4.768 and a 95% confidence interval of the mean +/- 2.452.

Table 17. Statistics by method for standard reference sample P8

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| ACID@CACO3 | 'TITRATION, COLORIMETRIC' | 2.000 | 2.000 | 2.000 | 0.000 | 3 |
| | 'TITRATION, ELECTROMETRIC' | 0.800 | 44.000 | 5.563 | 5.555 | 8 |
| | _OVER-ALL_ | 0.800 | 44.000 | 5.258 | 5.244 | 12 |
| AG | ATOMIC ABSORPTION, DIRECT, AIR | ----- | ----- | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.200 | 1.200 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 4.000 | 60.000 | ----- | ----- | - |
| | _OVER-ALL_ | 0.200 | 60.000 | 1.800 | 1.970 | 3 |
| CA | ATOMIC ABSORPTION, DIRECT, AIR | 0.184 | 31.000 | 0.233 | 0.032 | 17 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 0.260 | 0.260 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 0.160 | 1.000 | 0.243 | 0.083 | 8 |
| | _OVER-ALL_ | 0.160 | 31.000 | 0.235 | 0.040 | 27 |
| CD | ATOMIC ABSORPTION, DIRECT, AIR | 2.000 | 2.000 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.050 | 0.200 | 0.097 | 0.052 | 7 |
| | EMISSION, IC PLASMA | 1.000 | 5.000 | ----- | ----- | - |
| | _OVER-ALL_ | 0.050 | 5.000 | 1.157 | 1.885 | 12 |
| CL | COLORIMETRIC, FERRIC THIOCYANATE | 0.080 | 2.000 | 0.827 | 1.029 | 3 |
| | ION CHROMATOGRAPHY | 0.040 | 0.150 | 0.087 | 0.030 | 11 |
| | ION SELECTIVE ELECTRODE | 0.213 | 1.540 | 0.751 | 0.698 | 3 |
| | TITRATION, MERCURIC NITRATE | 0.100 | 0.370 | ----- | ----- | - |
| | _OVER-ALL_ | 0.040 | 2.000 | 0.166 | 0.142 | 18 |
| CO | ATOMIC ABSORPTION, DIRECT, AIR | ----- | ----- | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | ----- | ----- | ----- | ----- | - |
| | EMISSION, IC PLASMA | 12.000 | 25.600 | ----- | ----- | - |
| | _OVER-ALL_ | 12.000 | 25.600 | ----- | ----- | - |
| CR TOT | ATOMIC ABSORPTION, DIRECT, AIR | ----- | ----- | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.700 | 1.800 | 1.125 | 0.472 | 4 |
| | EMISSION, IC PLASMA | 2.000 | 8.000 | ----- | ----- | - |
| | _OVER-ALL_ | 0.160 | 8.000 | 1.110 | 0.688 | 6 |
| CU | ATOMIC ABSORPTION, DIRECT, AIR | 5.000 | 35.000 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.600 | 2.000 | 1.098 | 0.626 | 6 |
| | EMISSION, IC PLASMA | 5.000 | 5.000 | ----- | ----- | - |
| | _OVER-ALL_ | 0.500 | 35.000 | 2.136 | 1.904 | 11 |
| F | ION CHROMATOGRAPHY | 0.018 | 0.260 | 0.084 | 0.104 | 5 |
| | ION SELECTIVE ELECTRODE | 0.008 | 0.290 | 0.118 | 0.125 | 5 |
| | _OVER-ALL_ | 0.008 | 0.290 | 0.103 | 0.100 | 13 |
| FE | ATOMIC ABSORPTION, DIRECT, AIR | 15.800 | 29.500 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.400 | 0.400 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 1.000 | 24.000 | 8.650 | 10.712 | 4 |
| | _OVER-ALL_ | 0.400 | 29.500 | 11.471 | 11.849 | 7 |
| K | ATOMIC ABSORPTION, DIRECT, AIR | 0.020 | 0.150 | 0.054 | 0.023 | 16 |
| | EMISSION, IC PLASMA | 0.020 | 1.900 | ----- | ----- | - |
| | _OVER-ALL_ | 0.020 | 1.900 | 0.053 | 0.023 | 20 |
| MG | ATOMIC ABSORPTION, DIRECT, AIR | 0.020 | 0.100 | 0.031 | 0.008 | 16 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 0.020 | 0.040 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 0.020 | 0.110 | 0.034 | 0.014 | 6 |
| | _OVER-ALL_ | 0.020 | 0.110 | 0.033 | 0.010 | 25 |
| MN | ATOMIC ABSORPTION, DIRECT, AIR | 6.700 | 14.000 | 10.233 | 3.656 | 3 |
| | ATOMIC ABSORPTION, FLAMELESS | 6.100 | 8.000 | 7.315 | 0.853 | 4 |
| | EMISSION, IC PLASMA | 4.000 | 8.000 | 6.100 | 1.673 | 5 |
| | _OVER-ALL_ | 4.000 | 14.000 | 6.872 | 1.588 | 12 |
| NA | ATOMIC ABSORPTION, DIRECT, AIR | 0.020 | 0.500 | 0.088 | 0.048 | 16 |
| | EMISSION, FLAME | 0.020 | 0.084 | 0.052 | 0.032 | 3 |
| | EMISSION, IC PLASMA | 0.060 | 3.000 | 0.225 | 0.129 | 5 |
| | _OVER-ALL_ | 0.020 | 3.000 | 0.099 | 0.066 | 24 |
| NH3-N | COLORIMETRIC, INDOPHENOL | 0.020 | 0.044 | 0.029 | 0.010 | 5 |
| | COLORIMETRIC, PHENATE | 0.015 | 0.050 | 0.027 | 0.011 | 9 |
| | ION SELECTIVE ELECTRODE | 0.020 | 0.150 | ----- | ----- | - |
| | OTHER | - | | ----- | ----- | - |
| | _OVER-ALL_ | 0.015 | 0.150 | 0.027 | 0.010 | 16 |
| NO3-N | COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION | 0.056 | 0.069 | 0.062 | 0.007 | 3 |
| | ION CHROMATOGRAPHY | 0.050 | 0.278 | 0.108 | 0.092 | 6 |
| | _OVER-ALL_ | 0.000 | 0.278 | 0.047 | 0.023 | 10 |
| PB | ATOMIC ABSORPTION, FLAMELESS | 0.200 | 30.000 | 8.344 | 12.778 | 5 |
| | _OVER-ALL_ | 0.150 | 100.000 | 0.554 | 0.351 | 5 |
| PH | ELECTROMETRIC | 4.260 | 8.300 | 6.117 | 0.961 | 31 |
| | _OVER-ALL_ | 4.260 | 8.300 | 6.149 | 1.017 | 33 |
| SO4 | COLORIMETRIC, METHYL THYMOL BLUE | 0.800 | 7.000 | 3.798 | 2.749 | 4 |
| | GRAVIMETRIC, BARIUM SULFATE | 2.000 | 4.000 | ----- | ----- | - |
| | ION CHROMATOGRAPHY | 0.126 | 78.900 | 0.361 | 0.059 | 11 |
| | TURBIDIMETRIC, BARIUM SULFATE | - | | ----- | ----- | - |
| | _OVER-ALL_ | 0.126 | 78.900 | 0.721 | 0.693 | 18 |
| SP. COND. | DIRECT READING INSTRUMENT | 2.000 | 32.000 | 4.823 | 1.829 | 14 |
| | WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER | 2.800 | 481.000 | 4.127 | 1.327 | 14 |
| | _OVER-ALL_ | 2.000 | 481.000 | 4.517 | 1.595 | 29 |
| TL | ATOMIC ABSORPTION, DIRECT, AIR | ----- | ----- | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.300 | 0.300 | ----- | ----- | - |
| | _OVER-ALL_ | 0.300 | 600.000 | ----- | ----- | - |
| ZN | ATOMIC ABSORPTION, DIRECT, AIR | 4.000 | 20.000 | 9.913 | 5.870 | 8 |
| | EMISSION, IC PLASMA | 4.100 | 3.400 | 9.033 | 3.477 | 6 |
| | _OVER-ALL_ | 3.700 | 110.000 | 8.724 | 4.768 | 17 |

Table 18 Standard Reference Water Sample SED3 Report for AL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 15 | -20.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 13 | 21 | 11.6 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 31 | 64.8 | | ATOMIC ABSORPTION, CHELATION EXTRACTION, NITROUS OXIDE | 2,4 |
| 22 | 16 | -15.0 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 8 | -57.5 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 37 | 8 | -57.5 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 38 | 22 | 16.9 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 19 | 1.0 | | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 3 |
| 41 | 75 | 298.7 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 43 | 25 | 32.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 80 | 18 | -4.3 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 25 | 32.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 104 | 26 | 38.2 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 112 | 21 | 11.6 | | EMISSION, DC PLASMA | 7 |
| 135 | 16 | -15.0 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 11 | -41.5 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 19 | 1.0 | | EMISSION, IC PLASMA | 3,5 |

17 Labs had a total range of 8 to 75 and a mean of 18.8
with a standard deviation of 6.4 and a 95% confidence interval of the mean +/- 3.4.

Table 18 Standard Reference Water Sample SED3 Report for B

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 22 | < 10 | | IGNORED | EMISSION, IC PLASMA | 3 |
| 38 | 51 | 98.1 | | EMISSION, IC PLASMA | 3 |
| 112 | 5 | -80.6 | | EMISSION, DC PLASMA | 7 |
| 127 | < 30 | | IGNORED | OTHER | |
| 135 | 22 | -14.6 | | EMISSION, IC PLASMA | 3 |
| 144 | 25 | -2.9 | | EMISSION, IC PLASMA | 3 |

6 Labs had a total range of 5 to 51.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

Table 18 Standard Reference Water Sample SED3 Report for BA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 190 | 4.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 13 | 210 | 15.0 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 180 | -1.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 22 | 200 | 9.5 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 130 | -28.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 37 | 150 | -17.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 250 | 36.9 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 210 | 15.0 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 790 | 332.5 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 43 | 450 | 146.4 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 80 | 190 | 4.0 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 150 | -17.9 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 104 | 390 | 113.5 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 112 | 160 | -12.4 | | EMISSION, DC PLASMA | 2,7 |
| 127 | 200 | 9.5 | | OTHER | |
| 135 | 160 | -12.4 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 170 | -6.9 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 190 | 4.0 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

18 Labs had a total range of 130 to 790 and a mean of 183
with a standard deviation of 30 and a 95% confidence interval of the mean +/- 17.

Table 18 Standard Reference Water Sample SED3 Report for BE

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 13 | 1.2 | 7.3 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 0.8 | -28.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 22 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 37 | 0.7 | -37.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | 2.5 | 123.6 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 43 | 0.8 | -28.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 50 | 366.0 | 3E+04 | REJECT | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 80 | 1.0 | -10.6 | | EMISSION, IC PLASMA | 3,5 |
| 104 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3,4 |
| 112 | 2.0 | 78.9 | | OTHER | |
| 127 | 1.1 | -1.6 | | OTHER | |
| 135 | 0.4 | -64.2 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 0.9 | -19.5 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 0.9 | -19.5 | | EMISSION, IC PLASMA | 3,5 |

16 Labs had a total range of 0.4 to 366.0 and a mean of 1.12
with a standard deviation of 0.61 and a 95% confidence interval of the mean +/- 0.41.

Table 18 Standard Reference Water Sample SED3 Report for C, INORG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 0.1 | -89.5 | REJECT | | |
| 20 | 1.8 | 89.5 | REJECT | | |

2 Labs had a total range of 0.1 to 1.8.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

Table 18 Standard Reference Water Sample SED3 Report for C, TOTAL

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 6 | 9.1 | REJECT | | |
| 38 | 5 | -9.1 | REJECT | | |

2 Labs had a total range of 5 to 6.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

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Table 18 Standard Reference Water Sample SED3 Report for CA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 4 | -11.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 13 | 5 | 11.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 20 | < 1 | | IGNORED | EMISSION, IC PLASMA | 3,5,7 |
| 22 | 4 | -11.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 30 | 4 | -11.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 37 | 3 | -33.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 8 | 77.8 | | EMISSION, IC PLASMA | 3,5,7 |
| 40 | 4 | -11.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 41 | 9 | 100.0 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 43 | 4 | -11.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 1196 | 3E+04 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 1 | -77.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 4 | -11.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 84 | 5 | 11.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 7 | 55.6 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 112 | 2 | -55.6 | | EMISSION, DC PLASMA | 7 |
| 127 | 5 | 11.1 | | OTHER | |
| 135 | 4 | -11.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 142 | 4 | -11.1 | | EMISSION, IC PLASMA | 3,5,7 |
| 144 | 4 | -11.1 | | EMISSION, IC PLASMA | 3,5,7 |

20 Labs had a total range of 1 to 1196 and a mean of 4.5
with a standard deviation of 1.9 and a 95% confidence interval of the mean +/- 1.0.

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Table 18 Standard Reference Water Sample SED3 Report for CD

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | < 0.5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 22 | < 1.0 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 30 | 0.2 | -74.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | 1.6 | 105.7 | | NOT REPORTED | |
| 37 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | 0.6 | -22.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 43 | 0.6 | -22.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | < 3.0 | | IGNORED | ANODIC STRIPPING VOLTAMMETRY, DIFFERENTIAL PULSE | 2 |
| 59 | 1.4 | 80.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 0.2 | -74.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 84 | < 5.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | < 0.2 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | < 0.2 | | IGNORED | OTHER | |
| 135 | 1.8 | 131.4 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 0.1 | -87.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 144 | 0.5 | -35.7 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

20 Labs had a total range of 0.1 to 1.8 and a mean of 0.78
with a standard deviation of 0.65 and a 95% confidence interval of the mean +/- 0.50.

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Table 18 Standard Reference Water Sample SED3 Report for CO

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 4 | 0.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | < 3 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 22 | 3 | -25.0 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 2 | -50.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | 25 | 525.0 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 3 | -25.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 6 | 50.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 5 | 25.0 | | OTHER | |
| 127 | 5 | 25.0 | | OTHER | |
| 135 | 4 | 0.0 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 4 | 0.0 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 65 | 1525.0 | REJECT | EMISSION, IC PLASMA | 3,5 |

12 Labs had a total range of 2 to 65 and a mean of 4.0
with a standard deviation of 1.2 and a 95% confidence interval of the mean +/- 0.9.

Table 18 Standard Reference Water Sample SED3 Report for CR TOT

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 14 | -24.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 8 | -56.8 | | EMISSION, IC PLASMA | 3 |
| 20 | 26 | 40.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 39 | 110.8 | | EMISSION, IC PLASMA | 3 |
| 30 | 4 | -78.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | 4 | -78.4 | | NOT REPORTED | |
| 37 | 9 | -51.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 20 | 8.1 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 35 | 89.2 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | 37 | 100.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 27 | 45.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 12 | -35.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 14 | -24.3 | | EMISSION, IC PLASMA | 3 |
| 84 | 22 | 18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 17 | -8.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 15 | -18.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 22 | 18.9 | | OTHER | |
| 135 | 15 | -18.9 | | EMISSION, IC PLASMA | 3 |
| 142 | 12 | -35.1 | | EMISSION, IC PLASMA | 3 |
| 144 | 18 | -2.7 | | EMISSION, IC PLASMA | 3 |

20 Labs had a total range of 4 to 39 and a mean of 18.5
with a standard deviation of 10.2 and a 95% confidence interval of the mean +/- 4.8.

Table 18 Standard Reference Water Sample SED3 Report for CU

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | < 1 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 9 | -35.2 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 13 | -6.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 13 | -6.4 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 13 | -6.4 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | 11 | -20.8 | | NOT REPORTED | |
| 37 | 10 | -28.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 20 | 43.9 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 19 | 36.7 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 20 | 43.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 16 | 15.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 11 | -20.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 13 | -6.4 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 18 | 29.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 17 | 22.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 13 | -6.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 13 | -6.4 | | OTHER | |
| 135 | 12 | -13.6 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 10 | -28.0 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 13 | -6.4 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

20 Labs had a total range of 9 to 20 and a mean of 13.9
with a standard deviation of 3.4 and a 95% confidence interval of the mean +/- 1.7.

Table 18 Standard Reference Water Sample SED3 Report for FE

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 14 | -1.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 18 | 26.6 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 5 | -64.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 14 | -1.6 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 10 | -29.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 9 | -36.7 | | NOT REPORTED | |
| 37 | 9 | -36.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 22 | 54.7 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 18 | 26.6 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 3 | -78.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 21 | 47.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 17901 | 1E+05 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 12 | -15.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 19 | 33.6 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 22 | 54.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 16 | 12.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 200 | 1306.3 | REJECT | OTHER | |
| 135 | 15 | 5.5 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 13 | -8.6 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 16 | 12.5 | | EMISSION, IC PLASMA | 3,5 |

20 Labs had a total range of 3 to 17901 and a mean of 14.2
with a standard deviation of 5.5 and a 95% confidence interval of the mean +/- 2.7.

Table 18 Standard Reference Water Sample SED3 Report for HG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | < 0.01 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 13 | < 1.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 20 | < 0.00 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 22 | < 0.20 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 30 | 0.02 | -90.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 33 | 21.40 | 1E+04 | REJECT | NOT REPORTED | |
| 37 | 0.04 | -80.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 38 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 40 | 0.34 | 70.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 50 | 886.50 | 4E+05 | REJECT | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 80 | 0.07 | -65.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 84 | 0.53 | 165.0 | | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 104 | < 0.10 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 112 | < 0.16 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 127 | < 0.20 | | IGNORED | OTHER | |
| 135 | < 0.05 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |
| 142 | < 0.05 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 1,2,3,4 |

17 Labs had a total range of 0.02 to 886.5 and a mean of 0.200
with a standard deviation of 0.226 and a 95% confidence interval of the mean +/- 0.280.

Table 18 Standard Reference Water Sample SED3 Report for K

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 2.0 | -33.0 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 4.1 | 37.3 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 20 | 2.6 | -12.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 2.6 | -12.9 | | EMISSION, IC PLASMA | 3 |
| 30 | 1.8 | -39.7 | | EMISSION, FLAME, PHOTOMETRIC | 1,2 |
| 33 | 1.3 | -56.5 | | NOT REPORTED | |
| 37 | 1.9 | -36.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 2.9 | -2.9 | | EMISSION, IC PLASMA | 3 |
| 41 | 48.0 | 1507.1 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 4.7 | 57.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 2866.0 | | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 2.8 | -6.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 3.1 | 3.8 | | EMISSION, IC PLASMA | 3 |
| 84 | 5.7 | 90.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 24.8 | 730.3 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 3.5 | 17.2 | | OTHER | |
| 135 | 3.2 | 7.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 142 | 2.6 | -12.9 | | EMISSION, IC PLASMA | 3 |

18 Labs had a total range of 1.3 to 2866.0 and a mean of 2.99
with a standard deviation of 1.16 and a 95% confidence interval of the mean +/- 0.64.

Table 18 Standard Reference Water Sample SED3 Report for LI

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 13 | -20.4 | | EMISSION, FLAME | 1 |
| 13 | 21 | 28.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 22 | 13 | -20.4 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 27 | 65.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 50 | 16600 | 1E+05 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 59 | 13 | -20.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 112 | 17 | 4.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 127 | < 1 | | IGNORED | OTHER | |
| 135 | 18 | 10.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 142 | 8 | -51.0 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 17 | 4.1 | | EMISSION, IC PLASMA | 3,5 |

11 Labs had a total range of 8 to 16600 and a mean of 16.3
with a standard deviation of 5.5 and a 95% confidence interval of the mean +/- 4.2.

Table 18 Standard Reference Water Sample SED3 Report for MG

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 3.1 | -14.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 13 | 4.2 | 15.8 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 3.5 | -3.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 3.8 | 4.8 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 2.5 | -31.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 0.7 | -80.7 | | NOT REPORTED | |
| 37 | 2.8 | -22.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 10.0 | 175.8 | REJECT | EMISSION, IC PLASMA | 3,5 |
| 40 | 3.6 | -0.7 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 6.5 | 79.2 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 43 | 4.7 | 29.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 2766.0 | 8E+04 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 2.7 | -25.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 3.5 | -3.5 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 5.4 | 48.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 5.6 | 54.4 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,7 |
| 112 | 3.1 | -14.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 3.8 | 4.8 | | OTHER | |
| 135 | 3.2 | -11.8 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 3.2 | -11.8 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 3.0 | -17.3 | | EMISSION, IC PLASMA | 3,5 |

21 Labs had a total range of 0.7 to 2766.0 and a mean of 3.63
with a standard deviation of 1.28 and a 95% confidence interval of the mean +/- 0.62.

Table 18 Standard Reference Water Sample SED3 Report for MN

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 120 | 1.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 140 | 18.8 | | EMISSION, IC PLASMA | 3,5 |
| 22 | 100 | -15.2 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 90 | -23.7 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | 60 | -49.1 | | NOT REPORTED | |
| 37 | 860 | 629.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 150 | 27.2 | | EMISSION, IC PLASMA | 3,5 |
| 40 | 120 | 1.8 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 120 | 1.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 150 | 27.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 110 | -6.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 90 | -23.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 120 | 1.8 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 130 | 10.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 130 | 10.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 140 | 18.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 160 | 35.7 | | OTHER | |
| 135 | 80 | -32.1 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 110 | -6.7 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 120 | 1.8 | | EMISSION, IC PLASMA | 3,5 |

20 Labs had a total range of 60 to 860 and a mean of 118
with a standard deviation of 26 and a 95% confidence interval of the mean +/- 12.

Table 18 Standard Reference Water Sample SED3 Report for MO

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 13 | < 10 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 22 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 38 | < 2 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 41 | < 5 | | IGNORED | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 104 | 13 | 77.3 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 112 | 8 | 9.1 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,2,3 |
| 127 | 1 | -86.4 | | OTHER | |
| 135 | < 22 | | IGNORED | EMISSION, IC PLASMA | 3,5 |

9 Labs had a total range of 1 to 13.
INSUFFICIENT DATA TO DEFINE MEAN AND STANDARD OF DEVIATION.

Table 18 Standard Reference Water Sample SED3 Report for NA

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 169 | 16.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 127 | -12.2 | | EMISSION, IC PLASMA | 3,5 |
| 20 | 86 | -40.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 263 | 81.9 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 158 | 9.3 | | EMISSION, FLAME | 1,2 |
| 33 | 169 | 16.9 | | NOT REPORTED | |
| 37 | 4 | -97.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 40 | 275 | 90.2 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 18 | -87.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 182 | 25.9 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 165 | 14.1 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 1 | -99.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 249 | 72.2 | | EMISSION, IC PLASMA | 3,5 |
| 84 | < 1 | | IGNORED | EMISSION, FLAME | 1,2 |
| 104 | 9 | -93.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 157 | 8.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 190 | 31.4 | | OTHER | |
| 135 | 160 | 10.7 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 210 | 45.2 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 155 | 7.2 | | EMISSION, IC PLASMA | 3,5 |

20 Labs had a total range of 1 to 275 and a mean of 144.6
with a standard deviation of 85.1 and a 95% confidence interval of the mean +/- 41.0.

Table 18 Standard Reference Water Sample SED3 Report for NI

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 12 | -27.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 21 | 26.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 20 | 17 | 2.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 10 | -39.8 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 25 | 50.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | 17 | 2.4 | | NOT REPORTED | |
| 37 | 7 | -57.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 23 | 38.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 19 | 14.5 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | 34 | 104.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 18 | 8.4 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 12 | -27.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 13 | -21.7 | | EMISSION, IC PLASMA | 3,5 |
| 84 | 28 | 68.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 10 | -39.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 12 | -27.7 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 14 | -15.7 | | OTHER | |
| 135 | 11 | -33.7 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 12 | -27.7 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 17 | 2.4 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

20 Labs had a total range of 7 to 34 and a mean of 16.6
with a standard deviation of 6.8 and a 95% confidence interval of the mean +/- 3.2.

Table 18 Standard Reference Water Sample SED3 Report for PB

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 1090 | 8407.3 | REJECT | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 5 | | IGNORED | EMISSION, IC PLASMA | 3,5 |
| 20 | 8 | -37.6 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 19 | 48.3 | | EMISSION, IC PLASMA | 3,5 |
| 30 | 9 | -29.8 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 33 | 8 | -37.6 | | NOT REPORTED | |
| 37 | 5 | -61.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | 16 | 24.9 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 3 | -76.6 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 41 | 45 | 251.2 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 19 | 48.3 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 50 | 8660 | 7E+04 | REJECT | ANODIC STRIPPING VOLTAMMETRY | 2 |
| 59 | 28 | 118.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 12 | -6.3 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 84 | < 50 | | IGNORED | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 6 | -53.2 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 24 | 87.3 | | EMISSION, DC PLASMA | 7 |
| 127 | 13 | 1.5 | | OTHER | |
| 135 | 26 | 102.9 | | EMISSION, IC PLASMA | 3,5 |
| 142 | 8 | -37.6 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 1 | -92.2 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

21 Labs had a total range of 1 to 8660 and a mean of 12.8
with a standard deviation of 8.3 and a 95% confidence interval of the mean +/- 4.4.

Table 18 Standard Reference Water Sample SED3 Report for SE

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | < 1.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 13 | < 0.6 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 22 | 27.3 | 3312.5 | REJECT | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 37 | 1.6 | 100.0 | | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 38 | < 0.1 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 40 | 0.2 | -75.0 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 41 | 0.3 | -62.5 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 43 | < 0.9 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 50 | 1260.0 | 2E+05 | REJECT | OTHER | |
| 80 | 0.2 | -75.0 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 84 | < 10.0 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |
| 104 | 0.2 | -75.0 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 112 | 2.7 | 237.5 | | EMISSION, DC PLASMA | 7 |
| 127 | < 2.0 | | IGNORED | OTHER | |
| 135 | 0.4 | -50.0 | | ATOMIC ABSORPTION, HYDRIDE | 1,2,3,4 |
| 142 | < 0.4 | | IGNORED | ATOMIC ABSORPTION, FLAMELESS | 3 |

16 Labs had a total range of 0.2 to 1260.0 and a mean of 0.80
with a standard deviation of 0.98 and a 95% confidence interval of the mean +/- 0.90.

Table 18 Standard Reference Water Sample SED3 Report for SR

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 49 | 14.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 13 | 52 | 21.8 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 22 | 41 | -4.0 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 19 | -55.5 | | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 80 | 52 | 21.8 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 98 | 129.5 | REJECT | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,4 |
| 112 | 41 | -4.0 | | EMISSION, DC PLASMA | 7 |
| 127 | 56 | 31.1 | | OTHER | |
| 135 | 20 | -53.2 | | OTHER | |
| 142 | 47 | 10.1 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 50 | 17.1 | | MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION | 7 |

11 Labs had a total range of 19 to 98 and a mean of 42.7
with a standard deviation of 13.1 and a 95% confidence interval of the mean +/- 9.4.

Table 18 Standard Reference Water Sample SED3 Report for V

| Code Number | Reported value | Pct. dev. from mean | | Methods | References |
|---|---|---|---|---|---|
| 8 | 30 | -30.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 13 | 28 | -35.2 | | EMISSION, IC PLASMA | 3,5 |
| 22 | 43 | -0.4 | | EMISSION, IC PLASMA | 3,5 |
| 38 | 81 | 87.6 | | EMISSION, IC PLASMA | 3,5 |
| 41 | 85 | 96.8 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 80 | 27 | -37.5 | | EMISSION, IC PLASMA | 3,5 |
| 104 | 46 | 6.5 | | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 1,3 |
| 112 | 18 | -58.3 | | EMISSION, DC PLASMA | 7 |
| 127 | 40 | -7.4 | | OTHER | |
| 135 | < 22 | | IGNORED | OTHER | |
| 142 | 25 | -42.1 | | EMISSION, IC PLASMA | 3,5 |
| 144 | 52 | 20.4 | | EMISSION, IC PLASMA | 3,5 |

12 Labs had a total range of 18 to 85 and a mean of 43.2
with a standard deviation of 22.1 and a 95% confidence interval of the mean +/- 14.9.

Table 18 Standard Reference Water Sample SED3 Report for ZN

| Code Number | Reported value | Pct. dev. from mean | Methods | References |
|---|---|---|---|---|
| 8 | 46 | -17.5 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 13 | 56 | 0.4 | EMISSION, IC PLASMA | 3,5 |
| 20 | 55 | -1.3 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 22 | 65 | 16.6 | EMISSION, IC PLASMA | 3,5 |
| 30 | 33 | -40.8 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 33 | 34 | -39.0 | NOT REPORTED | |
| 37 | 33 | -40.8 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 38 | 70 | 25.6 | EMISSION, IC PLASMA | 3,5 |
| 40 | 62 | 11.2 | EMISSION, IC PLASMA | 3,5 |
| 41 | 80 | 43.5 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 43 | 64 | 14.8 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 59 | 43 | -22.9 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 80 | 71 | 27.4 | EMISSION, IC PLASMA | 3,5 |
| 84 | 80 | 43.5 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 104 | 58 | 4.0 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 112 | 55 | -1.3 | ATOMIC ABSORPTION, DIRECT, AIR | 1,2,3,4 |
| 127 | 66 | 18.4 | OTHER | |
| 135 | 43 | -22.9 | EMISSION, IC PLASMA | 3,5 |
| 142 | 47 | -15.7 | EMISSION, IC PLASMA | 3,5 |
| 144 | 54 | -3.1 | EMISSION, IC PLASMA | 3,5 |

20 Labs had a total range of 33 to 80 and a mean of 55.8
with a standard deviation of 14.4 and a 95% confidence interval of the mean +/- 6.7.

Table 19. Statistics by method for standard reference sample SED3

| Determination | Method | Range: from | to | Mean | Standard Deviation | N |
|---|---|---|---|---|---|---|
| AL | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 15.000 | 75.000 | 25.000 | ----- | 2 |
| | ATOMIC ABSORPTION,DIRECT,FLAMELESS | 8.000 | 19.000 | 8.000 | ----- | 2 |
| | EMISSION, IC PLASMA | 11.000 | 22.000 | 17.571 | 3.690 | 7 |
| | _OVER-ALL_ | 8.000 | 75.000 | 18.813 | 6.442 | 16 |
| B | EMISSION, IC PLASMA | 22.000 | 51.000 | 32.667 | 15.948 | 3 |
| | _OVER-ALL_ | 5.000 | 51.000 | 25.750 | 18.998 | 4 |
| BA | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 150.000 | 790.000 | 358.333 | 244.656 | 6 |
| | EMISSION, IC PLASMA | 160.000 | 250.000 | 198.571 | 29.681 | 7 |
| | _OVER-ALL_ | 130.000 | 790.000 | 182.667 | 30.347 | 15 |
| BE | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 0.800 | 366.000 | ----- | ----- | - |
| | EMISSION, IC PLASMA | 0.400 | 1.200 | 0.880 | 0.295 | 5 |
| | _OVER-ALL_ | 0.400 | 366.000 | 1.118 | 0.608 | 11 |
| CA | ATOMIC ABSORPTION, DIRECT, AIR | 1.000 | 1196.000 | 3.400 | 1.517 | 5 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 4.000 | 9.000 | 6.667 | 2.517 | 3 |
| | EMISSION, IC PLASMA | 4.000 | 8.000 | 4.000 | 0.000 | 6 |
| | _OVER-ALL_ | 1.000 | 1196.000 | 4.500 | 1.917 | 18 |
| CD | ATOMIC ABSORPTION, DIRECT, AIR | 0.600 | 1.400 | ----- | ----- | - |
| | ATOMIC ABSORPTION, FLAMELESS | 0.100 | 0.600 | 0.275 | 0.222 | 4 |
| | EMISSION, IC PLASMA | 1.800 | 1.800 | ----- | ----- | - |
| | _OVER-ALL_ | 0.100 | 1.800 | 0.778 | 0.650 | 9 |
| CO | ATOMIC ABSORPTION, DIRECT, AIR | 3.000 | 25.000 | 4.333 | 1.528 | 3 |
| | EMISSION, IC PLASMA | 3.000 | 65.000 | 4.000 | ----- | 2 |
| | _OVER-ALL_ | 2.000 | 65.000 | 4.000 | 1.225 | 9 |
| CR TOT | ATOMIC ABSORPTION, DIRECT, AIR | 12.000 | 37.000 | 21.250 | 8.447 | 8 |
| | ATOMIC ABSORPTION, FLAMELESS | 4.000 | 35.000 | 17.000 | 13.736 | 4 |
| | EMISSION, IC PLASMA | 8.000 | 39.000 | 13.400 | 3.715 | 5 |
| | _OVER-ALL_ | 4.000 | 39.000 | 18.500 | 10.164 | 20 |
| CU | ATOMIC ABSORPTION, DIRECT, AIR | 11.000 | 20.000 | 15.429 | 3.207 | 7 |
| | EMISSION, IC PLASMA | 9.000 | 20.000 | 13.714 | 4.231 | 7 |
| | _OVER-ALL_ | 9.000 | 20.000 | 13.895 | 3.430 | 19 |
| FE | ATOMIC ABSORPTION, DIRECT, AIR | 3.000 | -17901.000 | 12.444 | 6.540 | 9 |
| | EMISSION, IC PLASMA | 13.000 | 22.000 | 16.875 | 2.949 | 8 |
| | _OVER-ALL_ | 3.000 | -17901.000 | 14.222 | 5.505 | 18 |
| HG | ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR | 0.020 | 886.500 | 0.200 | 0.239 | 5 |
| | _OVER-ALL_ | 0.020 | 886.500 | 0.200 | 0.226 | 5 |
| K | ATOMIC ABSORPTION, DIRECT, AIR | 1.900 | 2866.000 | 3.271 | 1.421 | 7 |
| | EMISSION, IC PLASMA | 2.600 | 3.100 | 2.800 | 0.245 | 4 |
| K | _OVER-ALL_ | 1.300 | 2866.000 | 2.987 | 1.158 | 15 |
| LI | ATOMIC ABSORPTION, DIRECT, AIR | 13.000 | -16600.000 | 19.200 | 5.215 | 5 |
| | EMISSION, IC PLASMA | 8.000 | 17.000 | 12.667 | 4.509 | 3 |
| | _OVER-ALL_ | 8.000 | -16600.000 | 16.333 | 5.500 | 9 |
| MG | ATOMIC ABSORPTION, DIRECT, AIR | 2.500 | 2766.000 | 3.529 | 1.106 | 7 |
| | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 3.100 | 6.500 | 5.067 | 1.762 | 3 |
| | EMISSION, IC PLASMA | 3.000 | 10.000 | 3.500 | 0.412 | 7 |
| | _OVER-ALL_ | 0.700 | 2766.000 | 3.626 | 1.281 | 19 |
| MN | ATOMIC ABSORPTION, DIRECT, AIR | 90.000 | 860.000 | 123.750 | 18.468 | 8 |
| | EMISSION, IC PLASMA | 80.000 | 150.000 | 117.500 | 21.876 | 8 |
| | _OVER-ALL_ | 60.000 | 860.000 | 117.895 | 25.729 | 19 |
| MO | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 8.000 | 13.000 | ------ | ----- | - |
| | EMISSION, IC PLASMA | - | | ------ | ----- | - |
| | _OVER-ALL_ | 1.000 | 13.000 | 7.333 | 6.028 | 3 |
| NA | ATOMIC ABSORPTION, DIRECT, AIR | 1.000 | 182.000 | 87.889 | 80.512 | 9 |
| | EMISSION, IC PLASMA | 127.000 | 275.000 | 205.571 | 58.923 | 7 |
| | _OVER-ALL_ | 1.000 | 275.000 | 144.579 | 85.145 | 19 |
| NI | ATOMIC ABSORPTION, DIRECT, AIR | 10.000 | 34.000 | 18.222 | 8.197 | 9 |
| | ATOMIC ABSORPTION, FLAMELESS | 7.000 | 25.000 | 18.500 | 8.062 | 4 |
| | EMISSION, IC PLASMA | 10.000 | 13.000 | 11.500 | 1.291 | 4 |
| | _OVER-ALL_ | 7.000 | 34.000 | 16.600 | 6.832 | 20 |
| PB | ATOMIC ABSORPTION, DIRECT, AIR | 6.000 | 45.000 | 21.200 | 15.991 | 5 |
| | ATOMIC ABSORPTION, FLAMELESS | 3.000 | 1090.000 | 9.000 | 5.244 | 5 |
| | EMISSION, IC PLASMA | 8.000 | 26.000 | 17.667 | 9.074 | 3 |
| | _OVER-ALL_ | 1.000 | 8660.000 | 12.813 | 8.344 | 16 |
| SE | ATOMIC ABSORPTION, FLAMELESS | 1.600 | 1.600 | ----- | ----- | - |
| | ATOMIC ABSORPTION, HYDRIDE | 0.200 | 27.300 | 0.260 | 0.089 | 5 |
| | _OVER-ALL_ | 0.200 | 1260.000 | 0.800 | 0.978 | 7 |
| SR | ATOMIC ABSORPTION, DIRECT, AIR | 19.000 | 98.000 | 54.500 | 32.604 | 4 |
| | EMISSION, IC PLASMA | 41.000 | 52.000 | 46.667 | 5.508 | 3 |
| | _OVER-ALL_ | 19.000 | 98.000 | 42.700 | 13.098 | 10 |
| V | ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE | 30.000 | 85.000 | 53.667 | 28.290 | 3 |
| | EMISSION, IC PLASMA | 25.000 | 81.000 | 42.667 | 21.584 | 6 |
| | _OVER-ALL_ | 18.000 | 85.000 | 43.182 | 22.149 | 11 |
| ZN | ATOMIC ABSORPTION, DIRECT, AIR | 33.000 | 80.000 | 54.700 | 16.773 | 10 |
| | EMISSION, IC PLASMA | 43.000 | 71.000 | 58.500 | 10.296 | 8 |
| | _OVER-ALL_ | 33.000 | 80.000 | 55.750 | 14.371 | 20 |