UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

REPORT OF THE U.S. GEOLOGICAL SURVEY'S ANALYTICAL EVALUATION PROGRAM--STANDARD REFERENCE WATER SAMPLES M4 (MAJOR CONSTITUENTS), T93 (TRACE CONSTITUENTS), N15 (NUTRIENTS), P9 (PRECIPITATION SNOWMELT), AND AMW2 (ACID MINE WATER).

Denver, Colorado

March 1986

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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 **December 1985.** Relative performance ratings achieved by the laboratories for each determination, statistical evaluation of the data, and data summaries are given in 16 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 December 1985. Samples were analyzed during December and January, and data were requested to be submitted by January 24. Data received through February 10, 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 16 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 101 of the 116 laboratories that requested and were shipped test samples in December 1985. **The original date of January 24, 1986, that was specified as a deadline for data return was extended several times.**

Samples which were distributed during December 1985 included SRWS M4 (major constituents), SRWS T93 (trace constituents), SRWS N15 (nutrients), P9 (precipitation snowmelt), and AMW2 (acid mine water). 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 M4 (major constituents) and AMW2 (acid mine water) were prepared from natural surface waters. SRWS T93 (trace constituents) and N15 (nutrients) were prepared from cold tap water. SRWS P9 (precipitation) was prepared from melted snow.

Sample M4 was 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 a large clean polyethylene drum.

The cold tap water used to prepare both T93 and N15 was filtered into separate clean polyethylene drums using only the 0.45 µm filters. Thymol [1.25 mg/L (milligrams per liter)] was added to both M4 and T93 to inhibit fungal and bacterial growth. No other additions were made to M4. Natural trace metal abundances in T93, however, were supplemented by the addition of selected constituents as solutions of reagent grade chemicals. These included aluminum, iron, manganese, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, lithium, molybdenum, nickel, selenium, silver, thallium and zinc. Solutions for M4 and T93 were mixed overnight with a motor driven Teflon[1/] coated stirrer, after which they were again filtered through 0.45 µm membrane filters, 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. A 0.2 µm "final membrane filter" was also used when preparing T93.

Natural nutrient concentration levels in SRWS N15 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 (40 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-sodium chloride tablets. 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. The samples for this round-robin testing were all shipped at ambient temperatures.

[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.

DETERMINATIONS

Abbreviations or symbols are listed below for each determination made on the various SRWS. These abbreviations and symbols are used in tables 2-16. Additional abbreviations and symbols used in tables 7-16 are explained in table 1.

Standard Reference Water Samples in this listing include: M4 (major constituents), T93 (trace constituents), N15 (nutrients), P9 (precipitation snowmelt), and AMW2 (acid-mine water).

Abbreviation/Symbol			M4 (mg/L) 1/	T93 (µg/L) 2/	N15 (mg/L)	P9 (mg/L) 3/	AMW2 (µg/L) 4/
ALK(CACO3)	=	Alkalinity (as $CaCO_3$)	x				
ACID@CACO3	=	Acidity (as $CaCO_3$)		x		x	x
AG	=	Silver		x		x	x
AL	=	Aluminum		x			x
AS	=	Arsenic		x			x
B	=	Boron	x				
BA	=	Barium		x			x
BE	=	Beryllium		x			x
BR	=	Bromide	x				
CA	=	Calcium	x			x	
CD	=	Cadmium		x		x	x
CL	=	Chloride	x			x	x
CO	=	Cobalt		x		x	x
CR TOT	=	Chromium, total		x		x	x
CU	=	Copper		x		x	x
DSRD 180	=	Dissolved solids, 180°C	x				

Standard Reference Water Samples in this listing include: M4 (major constituents), T93 (trace constituents), N15 (nutrients), P9 (precipitation snowmelt), and AMW2 (acid-mine water), (continued).

Abbreviation/Symbol			M4 (mg/L) 1/	T93 (µg/L) 2/	N15 (mg/L)	P9 (mg/L) 3/	AMW2 (µg/L) 4/
F	=	Fluoride	x			x	x
FE	=	Iron		x		x	x
HG	=	Mercury		x			x
I	=	Iodide	x				
K	=	Potassium	x			x	
LI	=	Lithium		x			x
MG	=	Magnesium	x			x	
MN	=	Manganese		x		x	x
MO	=	Molybdenum		x			x
NA	=	Sodium	x			x	
NH3-N	=	Ammonia as nitrogen			x	x	
NI	=	Nickel		x			x
NO2-N	=	Nitrite as nitrogen	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		
SB	=	Antimony		x			
SE	=	Selenium		x			x

Standard Reference Water Samples in this listing include: M4 (major constituents), T93 (trace constituents), N15 (nutrients), P9 (precipitation snowmelt), and AMW2 (acid-mine water), (continued).

Abbreviation/Symbol			M4 (mg/L) 1/	T93 (µg/L) 2/	N15 (mg/L)	P9 (mg/L) 3/	AMW2 (µg/L) 4/
SIO2	=	Silica	x				x
SO4	=	Sulfate	x			x	x
SP.COND.	=	Specific conductance	x			x	x
SR	=	Strontium	x	x			x
TL	=	Thallium		x		x	
V	=	Vanadium	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 (milligrams per liter).

3/ Results in mg/l except pH (units) and specific conductance (microsiemens or micromhos per centimeter at 25 °C); cadmium, chromium, cobalt, copper, iron, lead, manganese, silver, thallium, and zinc (micrograms per liter).

4/ Results in µg/L except specific conductance (microsiemens per centimeter at 25 °C); pH (units); acidity, aluminum, chloride, fluoride, iron, manganese, nitrate, silica, sulfate and zinc (milligrams per liter).

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 8, 10, 12, 14, and 16, 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 SRWS are listed in tables 7, 9, 11, 13, and 15. 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 067
COLORADO, Denver: Duncan 001
Schoen 019
Taylor/Hedley 112
Taylor/Garbarino 118
FLORIDA, Ocala: Kirkland 055
LOUISIANA, Baton Rouge: Garrison 003

Cooperator

ALABAMA, Montgomery: ADEM Environmental Laboratory
ALABAMA, Tuscaloosa: Geological Survey of Alabama

ALASKA, Soldotna: Alaska Dept. of Fish and Game, Limnology Lab

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

CALIFORNIA, Bryte: California Department of Water Resources Chemical Laboratory
CALIFORNIA, Canoga Park: Global Geochemistry Corp.
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, Los Gatos: Santa Clara Valley 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, Sausalito: U.S. Corps of Engineers-Pacific Division Laboratory

COLORADO, Alamosa: Bureau of Reclamation
COLORADO, Aurora: Core Laboratories Incorporated
COLORADO, Denver: Denver Water Department - Quality Control Laboratory
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, Pueblo: Board of Water Works
COLORADO, Steamboat Springs: ACZ Inc/Bookcliffs Laboratory Division

FLORIDA, Tampa: Hillsborough County Environmental Protection Commission
FLORIDA, West Palm Beach: South Florida Water Management District

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

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

Cooperator--continued

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

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

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, Barnstable: Barnstable County Health & Environmental Dept.
MASSACHUSETTS, Wellesley Hills: Massachusetts Department of Public Works

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

MONTANA, Butte: Montana Bureau of Mines and Geology

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, Toms 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, North Babylon: EcoTest Laboratories, Inc.
NEW YORK, Oakdale: Suffolk County Water Authority
NEW YORK, Rochester: Monroe County Environmental Health Laboratory
NEW YORK, Syracuse: Syracuse Univ. Department of Civil Engineering
NEW YORK, Syracuse: Onondaga County Department of Drainage and Sanitation
NEW YORK, Wantagh: Cedar Creek Advanced Wastewater Treatment Lab

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

Cooperator--continued

NORTH DAKOTA, Bismarck: North Dakota State Water Commission
NORTH DAKOTA, Bismarck: North Dakota State Health Department Laboratory

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

OREGON, Corvallis: U.S. Department of Agriculture, Forestry Sciences Laboratory 37
OREGON, Sandy: Bureau of Water Works, Water Quality Laboratory 42

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.

VIRGINIA, Culpeper: Environmental System Service
VIRGINIA, Manassas: Occoquan Watershed Monitoring Lab
VIRGINIA, Springfield: VERSAR, Inc.

114 WASHINGTON, Port Orchard: Washington Dept. of Ecology, Manchester Env. Lab 114
11 WASHINGTON, Richland: Battelle, Pacific NW Lab 11
59 WASHINGTON, Richland: Rockwell Hanford Operations 59

WEST VIRGINIA, Morgantown: West Virginia Geologic and Economic Survey

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

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

	Battelle	Rockwell	WDOE (Manchester)
# 11 =	50 % Excellent (4)	— # 59 = 65 %	— # 114 = 60 %
	17 % Good (3)	— = 20 %	— = 0 %
	0 % Satisfactory (2)	— = 6 %	— = 20 %
	17 % Questionable (1)	— = 3 %	— = 0 %
	17 % Poor (0)	— = 3 %	— = 20 %
# Tests	(6)	(29)	(5)

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

FLORIDA, Palatka: St. John's River Water Management District
FLORIDA, Tallahassee: City of Tallahassee Water Quality Laboratory

GEORGIA, Albany: Water, Gas and Light Commission
GEORGIA, Athens: Soil Testing and Plant Analysis Lab
GEORGIA, Tifton: U.S. Department of Agriculture, SE Watershed Laboratory

KENTUCKY, Bowling Green: Western Kentucky University, Resources Mgmt. Inst. Lab

MISSOURI, Columbia: Environmental Trace Substances Research Center

NEVADA, Boulder City: U.S. Bureau of Reclamation, Lower Colorado Regional Laboratory

NEW JERSEY, Trenton: N.J. Dept. of Environmental Protection, Office of Science Research

NEW YORK, Rochester: FEV Wastewater Treatment Facility Laboratory
NEW YORK, Westbury: Nytest Environmental, Inc.

OKLAHOMA, Oklahoma City: Oklahoma Agriculture Department Laboratory

SOUTH CAROLINA, Columbia: SC Water Resources Commission

UTAH, Logan: Ecosystem Research Institute

WYOMING, Casper: Core Laboratories

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

Table 2 Standard Reference Water Sample No. 44
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	4	NR	ND	4	4	4	4	ND	3	3
2	0	ND	ND	1	ND	3	ND	ND	4	4
3	4	ND	ND	1	4	4	0	ND	3	3
4	4	NR	ND	1	4	4	2	ND	4	0
5	4	ND	ND	0	3	0	1	ND	4	ND
6	2	0	ND	4	0	4	4	ND	4	3
7	4	2	ND	3	4	4	4	ND	4	0
8	0	NR	ND	3	NR	ND	4	ND	4	4
9	ND	ND	ND	0	0	2	ND	ND	0	0
10	4	ND	ND	4	2	2	4	ND	3	4
12	4	NR	ND	3	4	3	3	ND	3	3
13	0	4	ND	0	3	ND	4	ND	3	0
14	4	3	ND	ND	ND	1	4	ND	ND	4
15	0	ND	ND	3	ND	4	0	ND	3	3
16	4	ND	ND	ND	0	ND	4	ND	4	ND
18	2	ND	ND	1	1	4	4	ND	4	3
19	ND	ND	ND	4	ND	ND	ND	ND	ND	4
20	4	ND	ND	3	NR	4	ND	ND	ND	ND
21	4	ND	ND	2	4	4	ND	ND	2	2
22	4	4	ND	3	4	ND	ND	ND	3	4
23	0	ND	ND	3	ND	ND	3	ND	4	3
24	4	NR	ND	4	4	4	ND	ND	4	4
25	ND	ND	ND	1	0	4	3	ND	0	0
26	4	ND	ND	3	4	4	ND	ND	ND	ND
27	4	ND	ND	4	ND	ND	ND	ND	ND	4
28	4	ND	ND	3	4	ND	ND	ND	4	4
29	4	ND	ND	4	1	4	4	ND	1	4
30	0	1	ND	4	4	4	4	ND	3	4
31	4	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	4	ND	ND	4	4	4	ND	ND	3	3
33	ND	3	ND	4	ND	ND	ND	ND	0	4
34	0	ND	ND	2	2	4	ND	ND	0	2
35	4	ND	ND	4	3	4	3	ND	ND	4
37	4	ND	ND	0	ND	2	ND	ND	4	4
39	4	4	ND	1	4	4	4	ND	3	2
40	ND	ND	ND	ND	4	NR	ND	ND	1	4
41	4	NR	NR	4	4	4	2	ND	4	4
43	ND	ND	ND	4	4	ND	ND	ND	ND	4
44	4	NR	ND	ND	4	4	4	ND	4	3
45	4	ND	ND	3	3	3	3	ND	3	4
46	4	ND	ND	4	4	3	4	ND	0	2

Table 2 Standard Reference Water Sample No. 44
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	OSRO 180	F	I	K	MG
48	4	ND	ND	3	4	ND	ND	ND	4	3
49	ND	ND	ND	4	ND	ND	ND	ND	4	4
50	3	ND	ND	4	4	4	4	ND	4	4
51	3	ND	ND	4	0	3	0	ND	0	0
52	4	4	ND	4	4	4	3	ND	4	4
53	4	4	ND	4	4	4	4	ND	4	4
55	4	ND	ND	4	3	4	3	ND	4	4
56	3	ND	ND	0	0	4	ND	ND	0	0
57	4	ND	ND	4	4	4	ND	ND	4	4
58	4	4	ND	4	3	4	3	ND	1	0
59	4	ND	ND	4	4	ND	4	ND	4	4
60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
61	2	2	ND	3	2	3	4	ND	4	4
62	4	ND	ND	0	3	3	2	ND	4	2
64	4	ND	ND	ND	4	ND	4	ND	4	ND
65	ND	ND	ND	2	2	3	ND	ND	3	2
67	ND	NR	ND	ND	4	3	ND	ND	ND	ND
69	4	ND	ND	0	2	1	4	ND	4	4
70	0	ND	ND	ND	0	ND	0	ND	ND	ND
71	1	NR	ND	3	NR	2	3	ND	4	3
72	4	NR	ND	3	4	2	4	ND	3	4
73	4	ND	ND	2	NR	0	4	ND	0	3
74	ND	2	ND	ND	1	2	ND	ND	ND	ND
75	ND	ND	ND	1	ND	ND	ND	ND	0	0
76	4	ND	ND	1	2	ND	ND	ND	4	4
77	4	ND	ND	3	4	1	4	ND	3	3
79	ND	ND	ND	ND	3	ND	ND	ND	ND	ND
84	4	1	ND	0	4	ND	3	ND	4	3
86	4	ND	ND	2	4	3	4	ND	4	4
87	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
88	ND	ND	ND	3	ND	ND	ND	ND	3	4
89	4	0	ND	3	0	4	ND	ND	4	2
90	4	2	ND	4	1	4	3	ND	3	4
91	4	ND	ND	3	4	ND	0	ND	0	4
92	0	ND	ND	0	0	0	ND	ND	0	4
94	4	ND	ND	4	4	4	4	ND	3	4
95	0	2	ND	4	4	2	3	ND	4	4
96	4	4	ND	3	0	4	3	ND	4	3
97	3	ND	ND	3	4	2	ND	ND	3	3
99	4	NR	NR	3	4	0	4	ND	0	4
100	4	4	ND	3	0	4	3	ND	4	4

Table 2 Standard Reference Water Sample No. M4
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
102	2	ND	ND	0	2	0	3	ND	ND	0
104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
105	3	ND	ND	2	3	ND	4	ND	4	2
107	0	NR	ND	3	2	0	3	ND	4	4
109	4	4	ND	0	1	0	4	ND	0	2
111	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND
112	ND	3	ND	3	4	ND	3	ND	ND	4
114	0	ND	ND	ND	ND	4	ND	ND	ND	ND
115	4	3	ND	0	4	ND	0	ND	2	4
116	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
117	ND	ND	ND	4	3	ND	4	ND	ND	4
118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2 Standard Reference Water Sample No. M+
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	ND	ND	NR	4	4	2	3	4	NR	13	3.62
2	3	ND	ND	0	3	4	ND	0	0	ND	11	2.00
3	4	ND	ND	ND	3	ND	4	4	ND	ND	11	3.09
4	4	0	0	3	4	4	3	1	4	4	17	2.71
5	ND	3	2	ND	4	ND	ND	1	ND	ND	10	2.20
6	3	ND	2	0	3	3	4	2	0	3	17	2.41
7	0	ND	ND	ND	1	ND	4	3	ND	ND	12	2.75
8	4	ND	ND	NR	2	3	3	4	3	NR	11	3.09
9	0	ND	ND	ND	ND	ND	2	ND	ND	ND	7	0.57
10	3	3	1	3	3	4	4	ND	ND	ND	14	3.14
12	3	NR	4	4	3	4	3	4	ND	NR	14	3.43
13	4	ND	1	ND	4	ND	4	2	ND	ND	12	2.42
14	3	3	3	3	4	ND	4	4	ND	ND	12	3.33
15	0	NR	4	3	1	0	3	4	0	ND	14	2.00
16	4	ND	4	2	3	ND	4	3	ND	ND	10	3.20
18	4	NR	4	ND	0	ND	4	4	ND	ND	12	2.92
19	4	ND	ND	ND	ND	4	ND	ND	ND	ND	4	4.00
20	NR	ND	NR	ND	2	ND	3	4	ND	ND	6	3.33
21	4	3	0	3	2	ND	4	4	ND	ND	13	2.92
22	4	ND	4	ND	3	3	4	3	3	ND	13	3.54
23	3	3	4	ND	3	2	3	0	ND	ND	12	2.58
24	4	ND	0	ND	ND	4	4	ND	ND	ND	10	3.60
25	2	NR	4	NR	3	ND	3	1	ND	ND	11	1.91
26	ND	ND	4	ND	4	ND	ND	4	ND	ND	7	3.86
27	ND	NR	4	3	4	0	ND	4	ND	ND	8	3.38
28	4	NR	4	3	3	4	ND	3	4	ND	12	3.67
29	3	NR	4	ND	3	4	4	3	ND	ND	13	3.31
30	3	ND	4	3	0	4	4	3	4	4	17	3.12
31	ND	ND	ND	3	4	ND	ND	ND	ND	ND	3	3.67
32	1	ND	ND	ND	3	ND	2	4	ND	ND	10	3.20
33	2	ND	ND	ND	ND	4	ND	ND	4	ND	7	3.00
34	4	ND	ND	ND	2	ND	0	0	ND	ND	10	1.60
35	3	ND	ND	ND	2	ND	4	4	ND	ND	10	3.50
37	4	3	4	4	4	4	ND	4	ND	ND	12	3.42
39	2	NR	4	NR	4	3	4	4	4	NR	15	3.40
40	ND	ND	ND	NR	0	NR	ND	ND	ND	ND	4	2.25
41	4	NR	4	3	3	4	4	4	3	NR	15	3.67
43	ND	3	4	3	4	4	4	4	ND	ND	10	3.80
44	4	NR	2	4	3	3	4	4	2	ND	14	3.50
45	4	ND	4	2	3	3	4	3	4	NR	15	3.33
46	3	3	4	0	4	3	4	1	ND	ND	15	2.87

Table 2 Standard Reference Water Sample No. M4
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.
48	3	ND	4	3	3	4	4	4	ND	ND	12	3.58
49	3	ND	ND	ND	4	0	1	4	ND	ND	8	3.00
50	4	NR	4	NR	4	ND	3	3	ND	NR	12	3.75
51	NR	NR	4	0	0	ND	0	0	ND	ND	12	1.17
52	3	ND	3	ND	3	4	4	4	ND	ND	14	3.71
53	4	ND	4	4	4	ND	4	3	ND	ND	14	3.93
55	4	3	4	3	3	4	3	4	3	ND	16	3.56
56	0	3	4	0	2	ND	4	3	ND	ND	13	1.77
57	2	NR	4	3	4	ND	4	0	ND	ND	12	3.42
58	0	0	3	3	2	4	4	4	ND	ND	16	2.69
59	4	ND	0	ND	3	4	4	1	4	ND	13	3.38
60	ND	3	ND	4	3	4	ND	ND	ND	ND	4	3.50
61	4	ND	1	3	3	4	0	4	1	NR	16	2.75
62	3	3	0	4	4	2	4	4	ND	2	16	2.75
64	4	ND	4	3	3	ND	4	3	ND	ND	10	3.70
65	2	NR	3	NR	2	ND	3	4	ND	ND	10	2.60
67	ND	NR	ND	ND	ND	4	4	4	ND	ND	5	3.80
69	3	3	4	4	4	2	0	1	ND	ND	15	2.67
70	ND	ND	ND	ND	4	ND	ND	0	ND	ND	5	0.80
71	4	NR	4	3	4	2	3	3	ND	NR	13	3.00
72	4	3	4	3	2	4	3	4	4	0	17	3.24
73	3	NR	4	NR	0	ND	2	ND	ND	ND	10	2.20
74	ND	NR	4	ND	0	3	1	4	ND	ND	8	2.13
75	0	ND	3	3	0	ND	2	ND	ND	ND	8	1.13
76	4	3	4	ND	3	ND	ND	4	ND	ND	10	3.30
77	4	3	3	4	4	4	4	4	ND	ND	15	3.47
79	ND	ND	4	0	3	ND	4	3	ND	ND	6	2.83
84	3	ND	4	NR	3	4	1	2	ND	ND	13	2.77
86	0	3	4	3	4	ND	4	4	ND	ND	14	3.36
87	ND	3	0	3	4	4	ND	1	ND	ND	7	2.43
88	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	3.25
89	4	3	0	3	4	ND	3	2	ND	ND	14	2.57
90	3	3	0	1	4	2	4	2	3	ND	17	2.76
91	3	3	4	ND	4	ND	4	1	ND	ND	12	2.83
92	3	3	0	3	3	ND	0	4	ND	ND	13	1.54
94	4	NR	4	ND	4	2	3	4	ND	ND	13	3.69
95	4	0	4	4	4	3	2	3	0	4	18	2.83
96	3	NR	4	NR	4	3	3	3	2	NR	15	3.13
97	4	NR	4	NR	ND	ND	ND	ND	ND	ND	8	3.25
99	3	NR	4	3	3	3	4	4	2	NR	15	3.00
100	4	ND	1	ND	3	3	4	3	ND	ND	14	3.14

Table 2 Standard Reference Water Sample No. M4
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.
102	ND	1	3	1	3	3	3	2	ND	ND	13	1.77
104	ND	3	4	0	4	ND	ND	ND	ND	ND	4	2.75
105	3	NR	3	3	ND	ND	2	4	ND	ND	11	3.00
107	0	3	4	0	2	4	0	2	ND	NR	15	2.07
109	4	NR	1	0	3	4	4	0	ND	ND	15	2.07
111	ND	NR	3	3	ND	2	ND	2	ND	ND	4	2.50
112	3	ND	4	ND	ND	ND	4	ND	3	1	10	3.20
114	ND	ND	ND	ND	2	ND	ND	4	ND	ND	4	2.50
115	2	ND	4	NR	4	0	4	2	3	NR	14	2.57
116	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	1	4.00
117	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	5	3.80
118	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	1	3.00

Table 3 Standard Reference Water Sample No. T93
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	BA	BE	CD	CO	CR TOT	CU
1	3	3	4	4	NR	1	4	2	0	4
2	ND	4	ND	ND	4	ND	ND	ND	ND	4
3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4	0	2	0	4	4	0	2	2	4	4
5	ND	2	4	4	ND	ND	4	ND	3	ND
6	ND	4	2	4	0	0	2	2	3	4
7	ND	4	ND	3	4	ND	3	ND	4	0
8	ND	NR	1	4	NR	1	4	NR	NR	3
9	ND	ND	ND	ND	ND	ND	3	ND	1	4
10	ND	3	3	4	4	ND	3	ND	4	4
12	3	4	3	3	4	4	4	ND	4	4
13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
14	3	2	2	4	0	ND	4	ND	4	3
15	ND	ND	ND	ND	ND	ND	3	ND	4	ND
16	4	ND	ND	ND	ND	ND	NR	ND	ND	ND
18	ND	NR	ND	NR	NR	ND	4	ND	3	4
19	ND	ND	ND	ND	4	3	2	3	ND	4
21	0	2	ND	ND	3	4	1	1	4	4
22	ND	4	3	0	3	ND	ND	ND	ND	4
23	ND	4	ND	ND	3	ND	4	4	ND	ND
24	3	ND	4	ND	4	ND	NR	ND	ND	4
25	ND	ND	ND	ND	ND	ND	0	ND	0	4
26	ND	3	2	4	1	4	4	0	4	3
27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	ND	ND	2	ND	4	4	4	4	4	3
29	ND	ND	1	ND	ND	ND	ND	ND	ND	2
30	ND	ND	3	4	4	4	4	ND	2	4
32	4	0	4	ND	NR	ND	2	ND	4	0
33	ND	0	4	0	4	4	4	4	4	3
34	0	NR	ND	4	ND	ND	4	ND	3	0
35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
39	ND	2	4	3	3	4	4	2	NR	4
40	ND	0	ND	0	ND	4	0	ND	3	4
41	ND	NR	4	4	3	4	NR	NR	NR	4
44	ND	4	4	ND	4	ND	3	ND	4	4
45	2	4	4	4	4	4	3	ND	4	3
46	ND	2	ND	0	2	ND	4	ND	2	0
50	ND	4	4	2	3	0	2	NR	4	3
51	ND	ND	NR	4	ND	NR	3	ND	NR	NR
52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
54	ND	ND	4	ND	4	ND	ND	ND	ND	ND

Table 3 Standard Reference Water Sample No. T93
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	BA	BE	CD	CO	CR TOT	CU
55	ND	ND	ND	ND	ND	ND	ND	ND	ND		4
56	ND	ND	ND	ND	ND	ND	0	ND	2		4
57	ND	4	4	3	0	4	4	ND	4		4
58	ND	3	ND	2	3	1	2	NR	1		3
59	ND	ND	4	ND	4	4	ND	ND	ND		3
60	ND	ND	ND	ND	ND	ND	2	ND	4		3
61	4	2	0	3	0	0	3	4	0		4
62	3	NR	2	3	4	4	2	ND	4		0
64	ND	2	NR	NR	ND	ND	0	ND	1		0
65	ND	ND	NR	3	NR	ND	4	ND	NR		4
67	ND	ND	ND	4	ND	ND	ND	ND	ND		4
69	ND	4	0	4	0	ND	1	ND	3		2
70	ND	3	ND	4	4	ND	4	ND	4		4
71	4	NR	NR	0	NR	NR	NR	NR	NR		2
72	ND	4	0	3	4	4	4	4	3		3
73	ND	NR	3	0	2	ND	4	ND	4		4
75	ND	ND	ND	ND	ND	ND	ND	ND	ND		0
76	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
77	3	4	3	4	ND	ND	4	0	4		4
78	ND	NR	1	3	0	ND	1	ND	4		4
79	ND	ND	ND	ND	ND	ND	1	ND	3		3
84	ND	NR	0	4	3	0	4	NR	3		4
86	ND	4	4	4	2	ND	4	ND	4		4
91	ND	NR	ND	ND	ND	ND	NR	ND	NR		1
92	0	ND	ND	ND	ND	ND	0	ND	NR		NR
94	3	4	4	4	3	4	4	ND	4		4
95	4	4	3	NR	0	NR	0	NR	NR		4
96	ND	4	4	1	4	4	3	1	4		4
97	ND	ND	ND	4	3	ND	1	ND	0		4
99	4	4	3	4	4	4	NR	2	0		3
100	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
101	ND	ND	3	ND	ND	ND	ND	ND	ND		ND
102	ND	4	4	4	3	4	1	3	2		4
104	ND	ND	ND	ND	ND	ND	2	ND	3		3
105	ND	4	ND	4	0	ND	1	ND	3		4
107	2	NR	NR	4	3	NR	NR	NR	NR		NR
112	ND	NR	ND	ND	4	4	2	2	ND		2
116	ND	0	3	0	4	1	4	3	2		4
117	ND	NR	ND	ND	ND	ND	2	ND	ND		4
118	ND	ND	ND	ND	4	ND	4	ND	ND		4

Table 3 Standard Reference Water Sample No. T93
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	FE	HG	LI	MN	MO	NI	PB	SB	SE	SR
1	2	NR	3	3	3	3	4	4	1	3
2	3	ND	2	2	ND	ND	2	ND	NR	0
3	4	ND	ND	4	ND	ND	ND	ND	ND	ND
4	4	4	3	4	4	0	4	ND	1	3
5	ND	ND	ND	4	ND	ND	2	ND	ND	ND
6	0	4	0	0	3	4	2	3	4	0
7	3	4	ND	2	ND	ND	0	ND	0	ND
8	4	ND	ND	0	NR	4	4	ND	4	3
9	4	ND	ND	3	ND	4	0	ND	ND	ND
10	4	3	ND	4	ND	3	3	ND	3	ND
12	4	0	ND	4	4	4	4	NR	3	ND
13	0	ND	ND	0	ND	ND	ND	ND	ND	ND
14	3	NR	ND	4	ND	4	4	ND	3	ND
15	0	ND	ND	ND	ND	ND	ND	ND	ND	0
16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
18	4	NR	ND	4	ND	ND	NR	ND	4	ND
19	4	ND	4	4	3	ND	NR	ND	ND	4
21	4	ND	4	3	ND	3	4	ND	ND	ND
22	4	ND	3	3	ND	ND	ND	ND	0	4
23	4	4	ND	0	ND	ND	3	ND	ND	ND
24	4	ND	ND	4	ND	ND	ND	ND	ND	ND
25	3	ND	ND	4	ND	1	0	ND	ND	ND
26	0	4	ND	4	ND	0	1	NR	3	ND
27	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
28	4	ND	4	4	4	4	4	1	ND	4
29	ND	ND	ND	ND	ND	ND	ND	ND	4	ND
30	4	4	2	4	4	2	ND	3	4	4
32	0	ND	ND	4	ND	3	NR	ND	ND	ND
33	0	ND	3	0	3	2	3	0	ND	4
34	0	NR	ND	0	ND	0	3	ND	0	ND
35	4	ND	ND	4	ND	ND	ND	ND	ND	ND
39	0	NR	NR	0	NR	3	4	4	4	4
40	0	ND	ND	2	ND	NR	1	1	4	ND
41	4	NR	3	4	NR	ND	NR	ND	3	3
44	3	NR	ND	3	ND	ND	4	ND	3	4
45	4	2	ND	4	ND	3	3	ND	4	4
46	4	3	ND	3	ND	ND	0	ND	0	ND
50	4	NR	ND	4	0	NR	3	NR	2	ND
51	1	ND	ND	0	NR	1	0	NR	3	ND
52	ND	2	ND	ND	ND	ND	ND	ND	3	ND
54	ND	ND	ND	2	ND	ND	ND	ND	ND	4

Table 3 Standard Reference Water Sample No. T93
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	FE	HG	LI	MN	MO	NI	PB	SB	SE	SR
55	4	ND	ND	4	ND	ND	ND	ND	ND	3
56	4	4	ND	4	ND	ND	ND	ND	ND	ND
57	3	0	ND	2	ND	4	4	ND	3	ND
58	3	4	ND	4	0	0	4	ND	3	0
59	4	ND	3	4	ND	ND	ND	ND	ND	4
60	ND	NR	ND	ND	ND	4	4	ND	ND	ND
61	4	0	NR	3	3	3	0	4	4	0
62	1	0	ND	0	ND	NR	4	4	2	ND
64	ND	NR	ND	ND	ND	2	1	ND	ND	ND
65	2	ND	ND	3	ND	NR	4	ND	4	ND
67	3	ND	ND	3	ND	ND	ND	ND	4	ND
69	0	0	ND	2	ND	1	0	ND	ND	ND
70	2	4	ND	0	ND	ND	1	ND	3	ND
71	4	NR	NR	4	NR	NR	NR	NR	ND	ND
72	3	NR	3	3	4	4	4	NR	NR	4
73	4	NR	ND	2	ND	1	NR	ND	NR	ND
75	0	ND	ND	0	ND	ND	ND	ND	ND	ND
76	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
77	4	3	ND	4	ND	ND	4	ND	3	ND
78	4	NR	ND	ND	ND	NR	ND	ND	4	ND
79	ND	3	ND	ND	ND	ND	4	ND	ND	ND
84	4	NR	ND	4	ND	0	4	ND	3	ND
86	ND	3	ND	ND	ND	ND	3	ND	4	ND
91	2	ND	ND	0	ND	NR	NR	ND	ND	ND
92	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND
94	2	3	ND	4	ND	4	4	ND	0	ND
95	4	3	0	4	1	NR	4	NR	NR	0
96	4	NR	ND	4	4	4	4	NR	3	4
97	3	NR	ND	2	ND	3	2	ND	0	ND
99	4	4	4	3	3	4	4	0	4	4
100	4	ND	ND	4	ND	ND	ND	ND	ND	ND
101	4	ND	ND	2	ND	ND	ND	ND	ND	ND
102	4	4	3	3	4	4	4	4	3	0
104	ND	3	ND	ND	ND	3	2	ND	ND	ND
105	2	3	ND	2	ND	3	3	ND	4	ND
107	2	NR	ND	2	NR	NR	NR	NR	0	ND
112	4	ND	NR	2	1	1	1	ND	ND	4
116	2	0	ND	4	ND	4	0	0	NR	ND
117	3	NR	ND	3	ND	4	ND	ND	2	ND
118	ND	ND	ND	ND	ND	4	4	ND	ND	4

Table 3 Standard Reference Water Sample No. T93
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

AB	TL	ZN	N	Avg.
1	3	4	20	2.90
2	ND	ND	8	2.63
3	ND	ND	2	4.00
4	ND	4	20	2.65
5	ND	0	8	2.88
6	2	0	21	2.05
7	ND	3	12	2.50
8	NR	3	12	2.92
9	ND	3	8	2.75
10	ND	4	14	3.50
12	NR	4	17	3.53
13	ND	ND	2	0.00
14	ND	3	14	3.07
15	ND	ND	4	1.75
16	ND	ND	1	4.00
18	ND	4	7	3.86
19	ND	4	11	3.55
21	ND	4	14	2.93
22	ND	4	11	2.91
23	ND	4	9	3.33
24	ND	4	7	3.86
25	ND	4	8	2.00
26	ND	3	16	2.50
27	ND	ND	1	0.00
28	1	4	17	3.47
29	ND	ND	3	2.33
30	NR	4	17	3.53
32	ND	1	10	2.20
33	0	0	19	2.21
34	ND	0	11	1.27
35	ND	ND	2	4.00
39	3	2	17	2.94
40	ND	0	12	1.58
41	NR	4	11	3.64
44	NR	4	12	3.67
45	ND	3	17	3.47
46	ND	1	12	1.75
50	3	3	15	2.73
51	NR	NR	7	1.71
52	ND	ND	2	2.50
54	ND	4	5	3.60

Table 3 Standard Reference Water Sample No. T93
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

.AB	TL	ZN	N	Avg.
55	ND	4	5	3.80
56	ND	4	7	3.14
57	3	4	16	3.13
58	ND	4	16	2.31
59	ND	4	9	3.78
60	ND	4	6	3.50
61	NR	4	20	2.25
62	ND	4	15	2.47
64	ND	ND	6	1.00
65	ND	3	8	3.38
67	ND	2	6	3.33
69	ND	4	13	1.62
70	ND	4	12	3.08
71	NR	4	6	3.00
72	NR	4	17	3.41
73	ND	NR	9	2.67
75	ND	0	4	0.00
76	ND	ND	1	0.00
77	ND	4	14	3.43
78	ND	ND	8	2.63
79	ND	3	6	2.83
84	ND	1	13	2.62
86	ND	1	11	3.36
91	ND	2	4	1.25
92	ND	3	3	1.00
94	ND	4	16	3.44
95	NR	3	14	2.43
96	NR	4	17	3.53
97	ND	4	11	2.36
99	NR	4	20	3.30
100	ND	ND	2	4.00
101	ND	0	4	2.25
102	4	4	21	3.33
104	ND	4	7	2.86
105	ND	4	13	2.85
107	NR	1	7	2.00
112	ND	4	12	2.58
116	ND	4	16	2.19
117	ND	4	7	3.14
118	4	ND	7	4.00

Table 4 Standard Reference Water Sample No. N15
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.
1	4	4	4	3	3	4	6	3.67
2	ND	ND	ND	ND	0	ND	1	0.00
4	ND	4	3	ND	4	4	4	3.75
5	2	0	0	3	ND	ND	4	1.25
6	1	ND	4	ND	0	0	4	1.25
7	ND	0	0	ND	ND	0	3	0.00
8	0	ND	ND	ND	0	ND	2	0.00
9	1	ND	ND	ND	ND	ND	1	1.00
10	4	2	4	3	4	4	6	3.50
12	4	NR	4	3	4	1	5	3.20
13	1	2	0	2	4	4	6	2.17
14	4	2	ND	4	ND	1	4	2.75
15	2	4	ND	4	3	3	5	3.20
16	4	ND	0	ND	4	ND	3	2.67
18	2	4	4	ND	ND	ND	3	3.33
20	4	ND	3	ND	ND	ND	2	3.50
21	3	2	0	3	4	4	6	2.67
23	ND	4	4	ND	ND	ND	2	4.00
24	ND	ND	3	ND	ND	ND	1	3.00
25	4	2	3	2	2	4	6	2.83
26	2	4	3	4	4	1	6	3.00
27	4	0	4	3	4	4	6	3.17
28	2	ND	ND	NR	3	ND	2	2.50
29	4	4	3	ND	ND	ND	3	3.67
30	2	ND	3	ND	2	4	4	2.75
31	0	ND	ND	ND	4	3	3	2.33
40	NR	ND	ND	NR	ND	ND	0	0.00
41	4	4	3	4	4	4	6	3.83
42	3	4	4	2	4	4	6	3.50
44	0	4	ND	2	4	2	5	2.40
46	0	4	2	1	4	0	6	1.83
50	4	4	4	4	3	0	6	3.17
51	1	4	3	2	4	2	6	2.67
55	4	4	4	4	3	0	6	3.17
56	0	ND	2	4	4	3	5	2.60
57	4	2	3	4	4	4	6	3.50
58	4	4	4	4	0	4	6	3.33
60	ND	4	ND	ND	4	4	3	4.00
61	3	ND	0	ND	4	3	4	2.50
62	4	4	1	4	3	3	6	3.17
64	4	ND	3	ND	3	ND	3	3.33

Table 4 Standard Reference Water Sample No. N15
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.
65	2	4	1	2	4	ND	5	2.60
67	4	2	4	ND	ND	0	4	2.50
69	2	4	1	3	2	3	6	2.50
71	0	0	3	1	2	3	6	1.50
72	4	2	2	4	4	2	6	3.00
73	3	0	4	0	3	1	6	1.83
74	2	2	3	ND	2	ND	4	2.25
75	4	4	2	ND	3	4	5	3.40
76	ND	0	3	ND	ND	4	3	2.33
77	4	2	4	3	3	4	6	3.33
79	4	ND	4	3	3	4	5	3.60
86	4	4	3	1	2	3	6	2.83
87	2	2	0	ND	1	0	5	1.00
89	1	4	0	ND	4	3	5	2.40
91	3	4	4	ND	ND	ND	3	3.67
92	ND	4	4	ND	0	0	4	2.00
94	4	ND	ND	0	4	4	4	3.00
95	2	2	3	3	4	4	6	3.00
97	4	4	4	3	4	1	6	3.33
98	1	ND	ND	4	3	4	4	3.00
99	ND	NR	3	ND	3	ND	2	3.00
102	4	2	4	4	3	0	6	2.83
104	2	4	4	ND	0	0	5	2.00
105	4	4	4	2	0	4	6	3.00
107	4	0	3	0	2	ND	5	1.80
109	4	NR	0	2	0	0	5	1.20
111	4	NR	2	3	4	3	5	3.20
114	2	4	3	ND	ND	4	4	3.25

Table 5 Standard Reference Water Sample No. P9
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	3	NR	1	4	ND	NR	3	3	NR	4
5	ND	0	ND	0	3	ND	4	ND	4	ND
6	ND	4	3	4	3	4	2	4	0	4
8	ND	NR	1	NR	NR	NR	NR	NR	0	NR
9	ND	ND	2	3	NR	ND	NR	3	ND	4
10	ND	3	3	4	3	ND	3	1	3	3
11	ND	ND	4	ND	1	ND	ND	ND	ND	ND
12	4	4	3	4	3	ND	NR	NR	NR	NR
13	ND	ND	0	ND	ND	ND	ND	ND	3	0
14	3	3	0	3	3	ND	3	4	4	4
15	ND	ND	0	4	ND	ND	0	ND	1	3
16	2	ND	ND	NR	4	ND	ND	ND	4	ND
18	ND	NR	0	4	0	ND	NR	NR	NR	NR
19	ND	ND	4	4	ND	NR	ND	NR	ND	NR
20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
23	ND	3	0	4	ND	2	ND	ND	2	3
30	ND	0	4	4	ND	ND	NR	3	ND	4
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
32	4	0	3	NR	4	ND	NR	0	ND	3
33	ND	2	0	4	ND	4	3	0	ND	0
37	ND	ND	4	ND	ND	ND	ND	ND	ND	ND
41	ND	NR	4	NR	NR	NR	NR	NR	ND	NR
44	ND	3	3	4	NR	ND	3	4	NR	NR
48	ND	NR	2	ND	ND	ND	NR	3	ND	ND
54	ND	ND	3	ND	ND	ND	ND	ND	ND	ND
57	ND	ND	3	4	1	ND	NR	3	ND	4
64	ND	4	ND	4	4	ND	NR	0	4	ND
65	ND	ND	NR	4	NR	ND	NR	4	ND	NR
71	3	NR	4	NR	NR	NR	NR	NR	NR	NR
72	ND	4	3	4	4	2	3	4	NR	4
75	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
77	4	2	3	4	4	0	4	1	3	3
82	ND	ND	4	ND	ND	ND	ND	ND	ND	ND
86	ND	ND	ND	4	3	ND	4	3	2	ND
91	ND	NR	0	NR	4	ND	NR	0	NR	NR
94	4	4	4	3	0	ND	3	4	NR	NR
95	1	NR	2	1	0	NR	NR	NR	NR	NR
99	3	NR	4	1	ND	NR	NR	3	ND	NR
101	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
107	1	NR	3	NR	4	NR	NR	NR	1	NR
111	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND
112	ND	NR	4	2	ND	0	ND	2	ND	3
115	ND	NR	4	0	ND	0	0	0	4	4
118	ND	ND	ND	3	ND	ND	ND	4	ND	ND

Table 5 Standard Reference Water Sample No. P9
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	PB	PH	SO4	SP. COND.	TL
1	4	1	NR	4	ND	NR	3	3	ND	ND
5	1	ND	0	ND	ND	0	4	ND	3	ND
6	4	4	4	3	0	4	4	3	3	ND
8	4	1	1	4	0	NR	4	NR	4	NR
9	NR	NR	2	NR	3	2	ND	NR	ND	ND
10	0	0	3	4	ND	ND	3	3	4	ND
11	4	4	ND	3	ND	ND	ND	0	ND	ND
12	4	4	2	3	3	3	3	NR	4	NR
13	0	ND	ND	4	3	ND	0	ND	ND	ND
14	ND	NR	4	4	ND	3	3	NR	0	ND
15	NR	NR	ND	0	4	ND	3	4	4	ND
16	0	ND	ND	0	3	ND	0	3	3	ND
18	2	0	NR	1	NR	NR	3	NR	ND	ND
19	ND	4	4	NR	ND	NR	ND	ND	ND	ND
20	ND	ND	ND	ND	0	ND	3	ND	ND	ND
23	2	4	4	4	ND	3	2	3	0	ND
30	4	4	4	1	3	ND	4	ND	3	NR
31	ND	ND	ND	ND	3	ND	3	ND	ND	ND
32	2	0	NR	4	ND	NR	1	0	4	ND
33	3	0	0	1	ND	3	ND	ND	ND	ND
37	4	4	ND	4	4	ND	4	ND	3	ND
41	4	4	NR	4	3	NR	ND	ND	ND	NR
44	NR	NR	4	NR	3	3	3	NR	4	ND
48	NR	NR	ND	4	3	ND	3	ND	4	ND
54	4	4	4	2	4	ND	3	3	4	ND
57	2	4	4	4	NR	3	3	NR	0	NR
64	ND	ND	ND	ND	3	3	3	ND	4	ND
65	NR	NR	NR	NR	ND	NR	0	NR	4	ND
71	4	1	4	2	ND	NR	3	4	4	NR
72	4	4	4	3	4	4	3	3	ND	NR
75	4	0	0	3	4	ND	1	ND	ND	ND
77	2	4	4	3	3	4	3	3	4	ND
82	4	4	ND	3	3	ND	3	ND	3	ND
86	ND	ND	ND	ND	ND	1	4	ND	4	ND
91	NR	NR	NR	NR	3	NR	4	1	1	ND
94	4	4	4	3	NR	3	4	4	4	ND
95	1	1	4	4	NR	4	4	3	3	NR
99	0	4	1	2	ND	3	3	ND	4	NR
101	3	4	ND	3	4	ND	3	ND	ND	ND
107	2	NR	NR	0	0	NR	3	4	3	NR
111	ND	ND	ND	ND	3	ND	ND	ND	0	ND
112	ND	4	3	3	ND	3	ND	ND	ND	ND
115	0	4	4	0	ND	2	4	ND	4	NR
118	ND	ND	ND	ND	ND	3	ND	ND	ND	ND

Table 5 Standard Reference water Sample No. P9
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	ZN	N	Avg.
1	4	12	3.08
5	3	11	2.00
6	4	19	3.21
8	4	10	2.30
9	4	8	2.86
10	3	16	2.69
11	ND	6	2.67
12	3	14	3.36
13	ND	7	1.43
14	3	15	2.93
15	ND	10	2.30
16	ND	9	2.11
18	NR	7	1.43
19	NR	4	4.00
20	ND	2	1.50
23	3	15	2.60
30	4	13	3.23
31	ND	2	3.00
32	2	13	2.08
33	3	13	1.77
37	ND	7	3.86
41	2	6	3.50
44	0	11	3.09
48	ND	6	3.17
54	0	10	3.10
57	0	13	2.69
64	ND	9	3.22
65	NR	4	3.00
71	3	10	3.20
72	4	17	3.59
75	3	8	2.00
77	4	20	3.10
82	ND	7	3.43
86	3	9	3.11
91	NR	7	1.86
94	3	16	3.44
95	3	13	2.38
99	4	12	2.67
101	ND	6	3.00
107	NR	10	2.10
111	ND	2	1.50
112	3	10	2.70
115	3	15	2.20
118	ND	3	3.33

Table 6 Standard Reference Water Sample No. AMW2
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	BA	BE	CD	CL	CO	CR TOT
1	4	NR	4	0	NR	2	4	2	3	2
5	ND	0	2	4	ND	ND	ND	2	ND	3
8	ND	NR	4	3	NR	3	4	ND	3	NR
9	ND	ND	ND	ND	ND	ND	3	4	ND	NR
10	ND	ND	4	4	3	ND	2	4	ND	3
12	2	NR	0	3	0	0	2	4	ND	3
19	ND	ND	ND	ND	4	3	4	ND	4	ND
20	ND	ND	0	ND	ND	ND	ND	ND	ND	ND
21	0	2	ND	ND	ND	2	3	4	1	1
22	ND	3	4	0	4	ND	2	ND	3	3
23	3	3	ND	ND	ND	ND	ND	ND	ND	ND
24	ND	ND	4	ND	NR	ND	4	3	ND	ND
30	ND	ND	4	3	4	4	3	4	ND	4
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	ND	0	4	0	4	0	3	ND	2	0
44	ND	NR	3	ND	NR	ND	ND	4	ND	2
45	4	NR	4	4	NR	4	4	4	ND	2
56	ND	ND	ND	ND	ND	ND	2	1	0	1
57	ND	NR	4	4	1	4	3	ND	ND	4
59	ND	ND	4	ND	4	4	ND	4	ND	ND
62	0	ND	ND	3	NR	0	0	ND	ND	4
65	ND	ND	4	4	NR	ND	4	4	ND	NR
71	4	NR	4	3	NR	NR	4	ND	4	4
72	ND	3	4	3	4	3	0	4	4	4
73	ND	NR	4	2	NR	ND	4	ND	ND	NR
75	ND	2	ND	ND	ND	ND	0	ND	ND	3
77	3	4	4	3	ND	ND	3	2	2	3
91	ND	NR	ND	ND	ND	ND	3	4	ND	2
92	0	ND	ND	ND	ND	ND	ND	0	ND	ND
94	3	NR	4	3	3	4	4	0	ND	3
95	4	NR	3	1	NR	2	3	4	4	NR
99	ND	NR	3	ND	4	4	4	ND	4	4
107	3	NR	0	4	0	NR	2	2	3	2

Table 6 Standard Reference Water Sample No. AMW2
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	F	FE	HG	LI	MN	MO	NI	NO3-N	PB
1	2	4	1	3	2	3	3	0	ND	4
5	ND	3	ND	ND	ND	3	ND	ND	ND	2
8	4	3	3	ND	ND	0	NR	3	ND	3
9	4	ND	2	ND	ND	1	ND	4	ND	0
10	4	3	3	ND	ND	1	ND	2	1	4
12	1	2	3	3	ND	2	1	3	NR	4
19	3	ND	4	ND	3	3	NR	ND	ND	NR
20	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
21	3	ND	3	ND	3	4	ND	2	3	3
22	4	ND	3	ND	3	4	ND	3	ND	ND
23	ND	3	0	3	ND	ND	ND	ND	3	3
24	3	ND	4	ND	ND	3	ND	ND	NR	ND
30	3	4	3	3	4	3	3	4	3	ND
31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33	3	ND	4	ND	2	2	4	3	ND	0
44	ND	2	0	NR	ND	0	ND	ND	NR	ND
45	1	ND	2	3	ND	1	ND	4	NR	4
56	1	ND	3	1	ND	3	ND	0	3	ND
57	3	ND	3	NR	ND	4	ND	3	3	4
59	4	2	3	ND	4	3	ND	ND	ND	ND
62	3	ND	0	4	ND	2	ND	3	ND	4
65	3	ND	3	ND	ND	2	ND	3	ND	2
71	3	NR	2	NR	NR	4	NR	3	ND	3
72	0	3	4	ND	4	2	NR	3	3	3
73	0	ND	3	NR	ND	0	ND	0	ND	NR
75	0	ND	0	ND	ND	0	ND	0	ND	1
77	4	4	3	3	ND	3	ND	4	3	2
91	3	ND	2	ND	ND	0	ND	0	ND	NR
92	ND	ND	ND	ND	ND	ND	ND	ND	3	ND
94	4	2	4	3	ND	0	ND	3	ND	3
95	0	2	2	2	0	4	NR	4	ND	4
99	4	ND	3	NR	4	2	4	1	NR	0
107	1	2	0	NR	ND	3	NR	4	1	NR

Table 6 Standard Reference Water Sample No. AMW2
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	PH	SE	SIO2	SO4	SP. COND.	SR	ZN	N	Avg.
1	3	NR	1	3	4	2	4	23	2.61
5	1	ND	ND	ND	0	ND	0	11	1.82
8	4	NR	2	4	3	4	4	17	3.18
9	ND	ND	ND	3	ND	ND	4	9	2.78
10	0	ND	4	4	2	ND	3	18	2.83
12	4	NR	3	4	4	ND	3	21	2.43
19	ND	ND	4	ND	ND	ND	ND	9	3.56
20	ND	ND	ND	ND	ND	ND	ND	2	1.00
21	3	ND	ND	3	3	ND	4	18	2.61
22	ND	1	4	ND	ND	2	4	16	2.94
23	4	ND	0	4	0	ND	ND	11	2.36
24	ND	ND	3	3	ND	ND	4	9	3.44
30	3	3	4	4	2	3	4	23	3.43
31	4	ND	ND	ND	ND	ND	ND	1	4.00
33	ND	0	4	ND	ND	4	4	19	2.26
44	3	ND	0	0	4	0	0	12	1.50
45	4	NR	2	3	3	4	3	19	3.16
56	4	ND	ND	ND	ND	ND	4	12	1.92
57	3	NR	ND	3	ND	ND	4	15	3.33
59	4	ND	4	3	ND	2	4	14	3.50
62	2	3	ND	ND	ND	ND	3	14	2.21
65	2	NR	ND	4	1	ND	4	13	3.08
71	4	ND	2	ND	2	ND	3	15	3.27
72	3	4	4	1	ND	1	4	23	2.96
73	ND	ND	ND	ND	ND	ND	3	8	2.00
75	1	ND	ND	0	ND	ND	2	11	0.82
77	3	3	4	4	0	ND	0	22	2.91
91	2	ND	ND	4	1	ND	3	11	2.18
92	2	ND	ND	0	4	ND	ND	6	1.50
94	4	NR	4	4	ND	ND	4	19	3.11
95	4	NR	4	3	3	3	4	21	2.86
99	2	ND	4	ND	ND	3	3	17	3.12
107	3	NR	4	4	4	ND	3	19	2.37

Table 7 Standard Reference Water Sample 44 Report for ALK(CACO3)

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	27.0	-0.6		TITRATION, ELECTROMETRIC, AUTOMATED	4
2	58.0	113.5	REJECT	TITRATION, COLORIMETRIC, MANUAL	1,2
3	27.0	-0.6		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
4	26.0	-4.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
5	26.1	-3.9		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
6	33.3	22.6		TITRATION, COLORIMETRIC, MANUAL	1,2
7	26.0	-4.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
8	64.0	135.6	REJECT	TITRATION, ELECTROMETRIC, AUTOMATED	4
10	26.0	-4.3		TITRATION, COLORIMETRIC, MANUAL	1,2
12	26.0	-4.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
13	40.0	47.3		TITRATION, COLORIMETRIC, MANUAL	1,2
14	28.9	6.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
15	16.3	-40.0		TITRATION, COLORIMETRIC, AUTOMATED	3
16	25.1	-7.6		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
18	32.0	17.8		TITRATION, COLORIMETRIC, MANUAL	1,2
20	28.0	3.1		TITRATION, COLORIMETRIC, MANUAL	1,2
21	26.0	-4.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
22	27.1	-0.2		TITRATION, ELECTROMETRIC, AUTOMATED	4
23	4.0	-85.3	REJECT	TITRATION, COLORIMETRIC, AUTOMATED	3
24	28.0	3.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
26	26.8	-1.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
27	28.0	3.1		TITRATION, COLORIMETRIC, MANUAL	1,2
28	26.0	-4.3		TITRATION, COLORIMETRIC, AUTOMATED	3
29	28.0	3.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
30	51.1	88.1	REJECT	TITRATION, COLORIMETRIC, MANUAL	1,2
31	25.0	-8.0		TITRATION, COLORIMETRIC, MANUAL	1,2
32	27.1	-0.2		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
34	13.2	-51.4		TITRATION, COLORIMETRIC, AUTOMATED	3
35	26.5	-2.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
37	27.0	-0.6		TITRATION, COLORIMETRIC, AUTOMATED	3
39	26.0	-4.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
41	27.1	-0.2		TITRATION, ELECTROMETRIC, AUTOMATED	4
44	26.0	-4.3		TITRATION, COLORIMETRIC, MANUAL	1,2
45	28.0	3.1		OTHER	
46	28.5	4.9		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
48	28.0	3.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
50	24.0	-11.6		TITRATION, COLORIMETRIC, MANUAL	1,2
51	31.0	14.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
52	28.0	3.1		TITRATION, ELECTROMETRIC, AUTOMATED	4
53	27.0	-0.6		OTHER	
55	26.4	-2.8		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
56	23.0	-15.3		TITRATION, COLORIMETRIC, MANUAL	1,2
57	27.0	-0.6		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
58	27.2	0.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
59	25.2	-7.2		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for ALK(CACO3)

Code Number	Reported value	Pct. dev. from mean		Methods	References
61	34.0	25.2		TITRATION, COLORIMETRIC, AUTOMATED	3
62	27.0	-0.6		TITRATION, COLORIMETRIC, MANUAL	1,2
64	27.0	-0.6		TITRATION, COLORIMETRIC, MANUAL	1,2
69	27.0	-0.6		TITRATION, ELECTROMETRIC, AUTOMATED	4
70	14.0	-48.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
71	36.0	32.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
72	28.0	3.1		TITRATION, ELECTROMETRIC, AUTOMATED	4
73	25.0	-8.0		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
76	28.0	3.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
77	28.0	3.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
84	26.0	-4.3		OTHER	
86	28.0	3.1		TITRATION, COLORIMETRIC, AUTOMATED	3
87	34.0	25.2		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
89	26.0	-4.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
90	28.0	3.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
91	28.7	5.7		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
92	14.0	-48.5		NOT REPORTED	
94	27.8	2.4		TITRATION, COLORIMETRIC, AUTOMATED	3
95	37.2	37.0		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
96	27.0	-0.6		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
97	24.5	-9.8		NOT REPORTED	
99	28.2	3.8		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
100	27.0	-0.6		TITRATION, ELECTROMETRIC, AUTOMATED	4
102	21.5	-20.8		TITRATION, COLORIMETRIC, MANUAL	1,2
105	31.0	14.1		TITRATION, COLORIMETRIC, MANUAL	1,2
107	40.0	47.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
109	27.0	-0.6		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
114	43.3	59.4	REJECT	TITRATION, COLORIMETRIC, MANUAL	1,2
115	25.4	-6.5		TITRATION, ELECTROMETRIC, AUTOMATED	4

74 Labs had a total range of 4.0 to 64.0 and a mean of 27.16
with a standard deviation of 4.65 and a 95% confidence interval of the mean +/- 1.12.

Table 7 Standard Reference Water Sample M4 Report for B

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 10		IGNORED	EMISSION, DC PLASMA	
4	< 0		IGNORED	EMISSION, IC PLASMA	
6	50	220.1		OTHER	
7	0	-100.0		COLORIMETRIC, CARMINE (CARMINIC ACID)	2,4
8	< 50		IGNORED	COLORIMETRIC, CURCUMIN	1,2,3,4
12	< 50		IGNORED	EMISSION, IC PLASMA	
13	10	-36.0		COLORIMETRIC, AZOMETHINE	5
14	23	47.3		COLORIMETRIC, CURCUMIN	1,2,3,4
22	10	-36.0		EMISSION, IC PLASMA	
24	< 10		IGNORED	EMISSION, IC PLASMA	
30	40	156.1		EMISSION, IC PLASMA	
33	8	-48.8		EMISSION, IC PLASMA	
39	10	-36.0		EMISSION, IC PLASMA	
41	< 50		IGNORED	COLORIMETRIC, CURCUMIN	1,2,3,4
44	< 50		IGNORED	COLORIMETRIC, CURCUMIN	1,2,3,4
52	15	-4.0		COLORIMETRIC, AZOMETHINE	5
53	20	28.0		COLORIMETRIC, CARMINE (CARMINIC ACID)	2,4
58	15	-4.0		EMISSION, DC PLASMA	
61	30	92.1		COLORIMETRIC, CURCUMIN	1,2,3,4
67	< 100		IGNORED	COLORIMETRIC, AZOMETHINE	5
71	< 1000		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	7
72	< 250		IGNORED	COLORIMETRIC, CURCUMIN	1,2,3,4
74	0	-100.0		COLORIMETRIC, CURCUMIN	1,2,3,4
84	40	156.1		COLORIMETRIC, CURCUMIN	1,2,3,4
89	130	732.3	REJECT	COLORIMETRIC, CURCUMIN	1,2,3,4
90	0	-100.0		COLORIMETRIC, CARMINE (CARMINIC ACID)	2,4
95	0	-100.0		COLORIMETRIC, CURCUMIN	1,2,3,4
96	13	-16.8		EMISSION, IC PLASMA	
99	< 100		IGNORED	COLORIMETRIC, DIANTHRIMIDE	4
100	14	-13.4		COLORIMETRIC, CARMINE (CARMINIC ACID)	2,4
107	< 10		IGNORED	EMISSION, IC PLASMA	
109	20	28.0		COLORIMETRIC, CURCUMIN	1,2,3,4
112	8	-48.8		EMISSION, IC PLASMA	
115	2	-87.2		EMISSION, IC PLASMA	

34 Labs had a total range of 0 to 130 and a mean of 15.6
with a standard deviation of 14.2 and a 95% confidence interval of the mean +/- 6.5.

Table 7 Standard Reference Water Sample M4 Report for BR

Code Number	Reported value	Pct. dev. from mean		Methods	References
41	< 20		IGNORED	OTHER	
99	< 100		IGNORED	OTHER	
112	10	0.0		OTHER	

Table 7 Standard Reference Water Sample M4 Report for CA

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	10.0	-12.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
3	9.3	-14.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	10.0	-12.5		TITRATION, EDTA	1,3
5	7.3	-36.1	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
7	12.0	5.0		TITRATION, EDTA	1,3
8	12.0	5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	5.6	-51.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	11.4	-0.2		EMISSION, IC PLASMA	3,5,7
12	12.0	5.0		EMISSION, IC PLASMA	3,5,7
13	16.0	40.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	12.2	6.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	10.0	-12.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	11.0	-3.7		EMISSION, IC PLASMA	3,5,7
20	12.0	5.0		TITRATION, EDTA	1,3
21	12.4	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	12.0	5.0		EMISSION, IC PLASMA	3,5,7
23	12.2	6.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	11.0	-3.7		EMISSION, IC PLASMA	3,5,7
25	12.8	12.0		TITRATION, EDTA	1,3
26	12.2	6.8		TITRATION, EDTA	1,3
27	11.2	-2.0		TITRATION, EDTA	1,3
28	12.0	5.0		EMISSION, IC PLASMA	3,5,7
29	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	11.3	-1.1		EMISSION, IC PLASMA	3,5,7
32	11.3	-1.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	11.4	-0.2		EMISSION, IC PLASMA	3,5,7
34	10.4	-9.0		TITRATION, EDTA	1,3
35	11.4	-0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
37	9.2	-19.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	13.0	13.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
41	11.6	1.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
43	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	10.7	-6.3		EMISSION, IC PLASMA	3,5,7
46	11.6	1.5		TITRATION, EDTA	1,3
48	12.0	5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
49	11.3	-1.1		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,7
50	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	11.0	-3.7		EMISSION, IC PLASMA	3,5,7
52	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
53	11.2	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
55	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	5.7	-50.1	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 7 Standard Reference Water Sample #4 Report for CA

Code Number	Reported value	Pct. dev. from mean		Methods	References
58	11.5	0.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	11.0	-3.7		EMISSION, IC PLASMA	3,5,7
61	10.9	-4.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	7.8	-31.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	12.4	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	13.4	17.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	11.9	4.2		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,7
72	10.8	-5.5		EMISSION, IC PLASMA	3,5,7
73	10.3	-9.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	10.0	-12.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
76	9.9	-13.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	12.0	5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	13.5	18.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	12.4	8.5		EMISSION, IC PLASMA	3,5,7
88	10.8	-5.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
89	12.0	5.0		TITRATION, EDTA	1,3
90	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	12.0	5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	15.5	35.7	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,7
94	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	11.0	-3.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	11.9	4.2		EMISSION, IC PLASMA	3,5,7
97	10.7	-6.3		NOT REPORTED	
99	12.0	5.0		EMISSION, IC PLASMA	3,5,7
100	12.0	5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
102	15.5	35.7	REJECT	TITRATION, EDTA	1,3
105	10.5	-8.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	12.3	7.7		EMISSION, IC PLASMA	3,5,7
109	20.0	75.1	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
112	12.0	5.0		EMISSION, IC PLASMA	3,5,7
115	14.0	22.5		EMISSION, IC PLASMA	3,5,7
117	11.5	0.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

77 Labs had a total range of 5.6 to 20.0 and a mean of 11.42
with a standard deviation of 0.90 and a 95% confidence interval of the mean +/- 0.22.

Table 7 Standard Reference Water Sample M4 Report for CL

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	3.1	7.3		NOT REPORTED	
3	2.7	-6.5		TITRATION, SILVER NITRATE	1,2,4
4	3.0	3.8		TITRATION, MERCURIC NITRATE	1,2,3,4
5	2.3	-20.4		ION SELECTIVE ELECTRODE	1,2,3,4
6	1.4	-51.5		ION CHROMATOGRAPHY	2,3,6
7	3.1	7.3		TITRATION, MERCURIC NITRATE	1,2,3,4
8	< 5.0		IGNORED	TITRATION, SILVER NITRATE	1,2,4
9	9.0	211.5	REJECT	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
10	2.0	-30.8		TITRATION, SILVER NITRATE	1,2,4
12	2.7	-6.5		ION CHROMATOGRAPHY	2,3,6
13	3.3	14.2		TITRATION, MERCURIC NITRATE	1,2,3,4
16	4.9	69.6		ION SELECTIVE ELECTRODE	1,2,3,4
18	1.5	-48.1		TITRATION, SILVER NITRATE	1,2,4
20	< 5.0		IGNORED	TITRATION, SILVER NITRATE	1,2,4
21	2.7	-6.5		TITRATION, MERCURIC NITRATE	1,2,3,4
22	2.6	-10.0		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
24	3.1	7.3		ION SELECTIVE ELECTRODE	1,2,3,4
25	8.0	176.9	REJECT	TITRATION, SILVER NITRATE	1,2,4
26	3.0	3.8		TITRATION, SILVER NITRATE	1,2,4
28	2.6	-10.0		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
29	4.0	38.5		TITRATION, SILVER NITRATE	1,2,4
30	2.8	-3.1		ION CHROMATOGRAPHY	2,3,6
32	2.9	0.4		TITRATION, MERCURIC NITRATE	1,2,3,4
34	2.1	-27.3		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
35	3.5	21.1		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
39	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
40	2.7	-6.5		TITRATION, MERCURIC NITRATE	1,2,3,4
41	2.8	-3.1		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
43	2.9	0.4		TITRATION, SILVER NITRATE	1,2,4
44	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
45	2.4	-16.9		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
46	2.9	0.4		TITRATION, SILVER NITRATE	1,2,4
48	2.8	-3.1		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
50	3.0	3.8		TITRATION, SILVER NITRATE	1,2,4
51	1.0	-65.4		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
52	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
53	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
55	2.5	-13.5		TITRATION, MERCURIC NITRATE	1,2,3,4
56	10.3	256.5	REJECT	TITRATION, MERCURIC NITRATE	1,2,3,4
57	3.0	3.8		TITRATION, MERCURIC NITRATE	1,2,3,4
58	2.5	-13.5		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
59	2.7	-6.5		ION CHROMATOGRAPHY	2,3,6
61	3.7	28.1		NOT REPORTED	
62	2.5	-13.5		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
64	3.0	3.8		TITRATION, MERCURIC NITRATE	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for CL

Code Number	Reported value	Pct. dev. from mean		Methods	References
65	2.0	-30.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
67	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
69	2.0	-30.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
70	17.9	519.6	REJECT	TITRATION, MERCURIC NITRATE	1,2,3,4
71	< 2.0		IGNORED	TITRATION, SILVER NITRATE	1,2,4
72	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
73	< 1.0		IGNORED	TITRATION, SILVER NITRATE	1,2,4
74	4.2	45.4		TITRATION, MERCURIC NITRATE	1,2,3,4
76	2.0	-30.8		TITRATION, MERCURIC NITRATE	1,2,3,4
77	3.1	7.3		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
79	3.5	21.1		TITRATION, MERCURIC NITRATE	1,2,3,4
84	3.1	7.3		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
86	2.6	-10.0		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
89	8.0	176.9	REJECT	TITRATION, MERCURIC NITRATE	1,2,3,4
90	4.0	38.5		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
91	3.2	10.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
92	0.4	-86.2	REJECT	TITRATION, MERCURIC NITRATE	1,2,3,4
94	2.8	-3.1		ION SELECTIVE ELECTRODE	1,2,3,4
95	3.0	3.8		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
96	5.0	73.1		TITRATION, MERCURIC NITRATE	1,2,3,4
97	2.7	-6.5		NOT REPORTED	
99	2.7	-6.5		ION CHROMATOGRAPHY	2,3,6
100	6.6	128.4	REJECT	TITRATION, SILVER NITRATE	1,2,4
102	2.1	-27.3		ION CHROMATOGRAPHY	2,3,6
105	3.5	21.1		TITRATION, MERCURIC NITRATE	1,2,3,4
107	3.7	28.1		TITRATION, SILVER NITRATE	1,2,4
109	4.0	38.5		TITRATION, MERCURIC NITRATE	1,2,3,4
111	< 10.0		IGNORED	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
112	2.8	-3.1		ION CHROMATOGRAPHY	2,3,6
115	2.7	-6.5		ION CHROMATOGRAPHY	2,3,6
117	2.5	-13.5		TITRATION, SILVER NITRATE	1,2,4

76 Labs had a total range of 0.4 to 17.9 and a mean of 2.89
with a standard deviation of 0.70 and a 95% confidence interval of the mean +/- 0.18.

Table 7 Standard Reference Water Sample M4 Report for DSRD 180

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	64	-6.8		RESIDUE ON EVAPORATION	4
2	75	9.3		RESIDUE, FILTRABLE	1,3
3	68	-0.9		RESIDUE ON EVAPORATION	4
4	64	-6.8		RESIDUE, FILTRABLE	1,3
5	32	-53.4		RESIDUE, FILTRABLE	1,3
6	74	7.8		RESIDUE, FILTRABLE	1,3
7	70	2.0		RESIDUE ON EVAPORATION	2,4
9	54	-21.3		RESIDUE, FILTRABLE	1,3
10	56	-18.4		RESIDUE, FILTRABLE	1,3
12	79	15.1		RESIDUE, FILTRABLE	3
14	88	28.2		RESIDUE, FILTRABLE	1,3
15	68	-0.9		RESIDUE ON EVAPORATION	2,4
18	64	-6.8		RESIDUE ON EVAPORATION	4
20	65	-5.3		RESIDUE, FILTRABLE	1,3
21	72	4.9		RESIDUE, FILTRABLE	1,3
24	66	-3.8		RESIDUE ON EVAPORATION	4
25	72	4.9		RESIDUE, FILTRABLE	3
26	70	2.0		RESIDUE, FILTRABLE	3
29	73	6.4		RESIDUE, FILTRABLE	1,3
30	67	-2.4		RESIDUE ON EVAPORATION	2,4
32	71	3.4		RESIDUE, FILTRABLE	1,3
34	74	7.8		NOT REPORTED	
35	67	-2.4		RESIDUE, FILTRABLE	3
37	86	25.3		RESIDUE ON EVAPORATION	2,4
39	70	2.0		RESIDUE ON EVAPORATION	4
40	< 0		IGNORED	NOT REPORTED	
41	66	-3.8		RESIDUE, FILTRABLE	1,3
44	70	2.0		RESIDUE, FILTRABLE	1,3
45	75	9.3		RESIDUE ON EVAPORATION	2,4
46	76	10.7		RESIDUE ON EVAPORATION	2,4
50	74	7.8		RESIDUE, FILTRABLE	1,3
51	57	-17.0		RESIDUE, FILTRABLE	1,3
52	68	-0.9		RESIDUE, FILTRABLE	1,3
53	66	-3.8		RESIDUE, FILTRABLE	3
55	68	-0.9		RESIDUE ON EVAPORATION	4
56	66	-3.8		RESIDUE ON EVAPORATION	2,4
57	68	-0.9		RESIDUE, FILTRABLE	1,3
58	72	4.9		RESIDUE, FILTRABLE	1,3
61	57	-17.0		RESIDUE ON EVAPORATION	2,4
62	80	16.6		RESIDUE, FILTRABLE	1,3
65	80	16.6		RESIDUE ON EVAPORATION	4
67	77	12.2		RESIDUE ON EVAPORATION	4
69	92	34.0		RESIDUE, FILTRABLE	1,3
71	56	-18.4		RESIDUE, FILTRABLE	1,3
72	56	-18.4		RESIDUE, FILTRABLE	3

Table 7 Standard Reference Water Sample M4 Report for DSRD 180

Code Number	Reported value	Pct. dev. from mean		Methods	References
73	124	80.7	REJECT	RESIDUE, FILTRABLE	1,3
74	54	-21.3		RESIDUE ON EVAPORATION	2,4
77	88	28.2		RESIDUE, FILTRABLE	1,3
86	58	-15.5		RESIDUE, FILTRABLE	1,3
89	67	-2.4		RESIDUE ON EVAPORATION	2,4
90	73	6.4		RESIDUE, FILTRABLE	1,3
92	11	-84.0	REJECT	RESIDUE, FILTRABLE	1,3
94	69	0.5		RESIDUE, FILTRABLE	1,3
95	54	-21.3		RESIDUE ON EVAPORATION	2,4
96	68	-0.9		RESIDUE ON EVAPORATION	2,4
97	55	-19.9		NOT REPORTED	
99	35	-49.0		RESIDUE ON EVAPORATION	4
100	65	-5.3		RESIDUE ON EVAPORATION	4
102	96	39.9		RESIDUE ON EVAPORATION	2,4
107	96	39.9		RESIDUE ON EVAPORATION	2,4
109	0	-100.0	REJECT	RESIDUE, FILTRABLE	1,3
114	70	2.0		RESIDUE ON EVAPORATION	2,4

62 Labs had a total range of 0 to 124 and a mean of 68.6
with a standard deviation of 11.9 and a 95% confidence interval of the mean +/- 3.1.

Table 7 Standard Reference Water Sample M4 Report for F

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.46	-1.9		ION SELECTIVE ELECTRODE	1,2,3,4
3	0.60	28.0		COLORIMETRIC, ZIRCONIUM ERIOCHROME	4
4	0.40	-14.7		ION SELECTIVE ELECTRODE	1,2,3,4
5	0.35	-25.3		OTHER	
6	0.47	0.3		ION CHROMATOGRAPHY	2,3,6
7	0.47	0.3		OTHER	
8	0.47	0.3		OTHER	
10	0.45	-4.0		OTHER	
12	0.43	-8.3		ION CHROMATOGRAPHY	2,3,6
13	0.47	0.3		OTHER	
14	0.48	2.4		OTHER	
15	0.66	40.8		COLORIMETRIC, SPADNS	1,2,3
16	0.48	2.4		OTHER	
18	0.45	-4.0		OTHER	
23	0.43	-8.3		COLORIMETRIC, ZIRCONYL ALIZARIN	1
25	0.50	6.7		OTHER	
29	0.44	-6.1		OTHER	
30	0.48	2.4		ION CHROMATOGRAPHY	2,3,6
35	0.42	-10.4		OTHER	
39	0.44	-6.1		COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE"	3
41	0.40	-14.7		OTHER	
44	0.44	-6.1		OTHER	
45	0.42	-10.4		ION SELECTIVE ELECTRODE	1,2,3,4
46	0.47	0.3		OTHER	
50	0.45	-4.0		OTHER	
51	1.13	141.1	REJECT	OTHER	
52	0.50	6.7		OTHER	
53	0.46	-1.9		COLORIMETRIC, ZIRCONYL ALIZARIN	1
55	0.50	6.7		COLORIMETRIC, ZIRCONIUM ERIOCHROME	4
58	0.42	-10.4		COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE"	3
59	0.48	2.4		ION CHROMATOGRAPHY	2,3,6
61	0.45	-4.0		OTHER	
62	0.54	15.2		OTHER	
64	0.48	2.4		ION SELECTIVE ELECTRODE	1,2,3,4
69	0.46	-1.9		OTHER	
70	0.29	-38.1		OTHER	
71	0.50	6.7		OTHER	
72	0.45	-4.0		ION SELECTIVE ELECTRODE	1,2,3,4
73	0.44	-6.1		OTHER	
77	0.47	0.3		ION SELECTIVE ELECTRODE	1,2,3,4
84	0.42	-10.4		OTHER	
86	0.45	-4.0		OTHER	
90	0.50	6.7		COLORIMETRIC, SPADNS	1,2,3
91	0.63	34.4		OTHER	
94	0.44	-6.1		ION SELECTIVE ELECTRODE	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for F

Code Number	Reported value	Pct. dev. from mean	Methods	References
95	0.50	6.7	COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE"	3
96	0.50	6.7	COLORIMETRIC, LANTHANUM ALIZARIN "COMPLEXONE"	1
99	0.47	0.3	ION CHROMATOGRAPHY	2,3,6
100	0.50	6.7	OTHER	
102	0.53	13.1	OTHER	
105	0.45	-4.0	OTHER	
107	0.41	-12.5	ION SELECTIVE ELECTRODE	1,2,3,4
109	0.46	-1.9	OTHER	
112	0.42	-10.4	ION CHROMATOGRAPHY	2,3,6
115	0.65	38.7	COLORIMETRIC, SPADNS	1,2,3
117	0.48	2.4	OTHER	

56 Labs had a total range of 0.29 to 1.13 and a mean of 0.469
with a standard deviation of 0.063 and a 95% confidence interval of the mean +/- 0.017.

Table 7 Standard Reference Water Sample M4 Report for I

Code Number	Reported value	Pct. dev. from mean	Methods	References
62	1	0.0	COLORIMETRIC, CERIC ARSENIOUS OXIDATION	2,4

Table 7 Standard Reference Water Sample M4 Report for K

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1.3	13.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	1.2	5.2		EMISSION, FLAME	1,2
3	1.3	13.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	1.1	-3.6		EMISSION, FLAME	1,2
5	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
7	1.2	5.2		EMISSION, FLAME	1,2
8	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	0.5	-56.2	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	1.0	-12.3		OTHER	
12	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
13	1.3	13.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
16	1.2	5.2		ION SELECTIVE ELECTRODE	1,2,3,4
18	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
21	1.4	22.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	1.0	-12.3		OTHER	
23	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	1.1	-3.6		OTHER	
25	1.6	40.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	1.2	5.2		OTHER	
29	0.8	-29.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	1.0	-12.3		OTHER	
32	1.3	13.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	1.8	57.8	REJECT	EMISSION, IC PLASMA	3
34	1.9	66.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
37	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
40	0.8	-29.9		NOT REPORTED	
41	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	1.0	-12.3		OTHER	
46	0.1	-91.2	REJECT	EMISSION, FLAME	1,2
48	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
49	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	1.2	5.2		EMISSION, FLAME	1,2
51	0.7	-38.6		OTHER	
52	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
53	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
55	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	2.4	110.4	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
58	0.8	-29.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	1.2	5.2		OTHER	
61	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for K

Code Number	Reported value	Pct. dev. from mean		Methods	References
62	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
64	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	1.3	13.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
73	1.5	31.5		EMISSION, FLAME	1,2
75	0.7	-38.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
76	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	1.0	-12.3		EMISSION, FLAME	1,2
84	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	1.1	-3.6		OTHER	
88	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
89	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
90	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	1.5	31.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	1.5	31.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	1.0	-12.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	1.2	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	1.1	-3.6		OTHER	
97	1.3	13.9		NOT REPORTED	
99	2.1	84.1	REJECT	OTHER	
100	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
105	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	1.1	-3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
109	1.5	31.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
115	1.4	22.7		OTHER	

72 Labs had a total range of 0.1 to 2.4 and a mean of 1.14
with a standard deviation of 0.18 and a 95% confidence interval of the mean +/- 0.04.

Table 7 Standard Reference Water Sample M4 Report for MG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	3.3	11.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
3	3.2	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	3.7	25.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	3.2	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
7	1.2	-59.3	REJECT	TITRATION, EDTA	2
8	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	2.0	-32.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	2.9	-1.7		EMISSION, IC PLASMA	3,5
12	3.3	11.9		EMISSION, IC PLASMA	3,5
13	4.0	35.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
14	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	2.6	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	2.6	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	3.0	1.7		EMISSION, IC PLASMA	3,5
21	3.5	18.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	2.9	-1.7		EMISSION, IC PLASMA	3,5
23	3.2	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	2.9	-1.7		EMISSION, IC PLASMA	3,5
25	3.9	32.2		TITRATION, EDTA	2
27	2.9	-1.7		TITRATION, EDTA	2
28	3.0	1.7		EMISSION, IC PLASMA	3,5
29	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	2.9	-1.7		EMISSION, IC PLASMA	3,5
32	2.6	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	3.1	5.1		EMISSION, IC PLASMA	3,5
34	2.4	-18.6		TITRATION, EDTA	2
35	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
37	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	2.5	-15.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
40	2.8	-5.1		NOT REPORTED	
41	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
43	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	2.6	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	2.9	-1.7		EMISSION, IC PLASMA	3,5
46	3.4	15.3		TITRATION, EDTA	2
48	3.2	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
49	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,7
50	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	0.6	-79.7	REJECT	EMISSION, IC PLASMA	3,5
52	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
53	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
55	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	1.8	-39.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for MG

Code Number	Reported value	Pct. dev. from mean		Methods	References
58	0.3	-89.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	3.1	5.1		EMISSION, IC PLASMA	3,5
61	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	2.5	-15.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	3.5	18.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	3.3	11.9		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,7
72	2.8	-5.1		EMISSION, IC PLASMA	3,5
73	2.6	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	2.0	-32.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
76	3.1	5.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	3.3	11.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	3.2	8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	3.0	1.7		EMISSION, IC PLASMA	3,5
88	2.8	-5.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
89	2.4	-18.6		TITRATION, EDTA	2
90	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,7
94	2.9	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	2.8	-5.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	3.2	8.5		EMISSION, IC PLASMA	3,5
97	2.6	-11.8		NOT REPORTED	
99	3.0	1.7		EMISSION, IC PLASMA	3,5
100	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
102	0.2	-93.2	REJECT	TITRATION, EDTA	2
105	3.5	18.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	3.1	5.1		EMISSION, IC PLASMA	3,5
109	2.5	-15.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
112	2.8	-5.1		EMISSION, IC PLASMA	3,5
115	3.1	5.1		EMISSION, IC PLASMA	3,5
117	3.0	1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

77 Labs had a total range of 0.2 to 4.0 and a mean of 2.95
with a standard deviation of 0.37 and a 95% confidence interval of the mean +/- 0.09.

Table 7 Standard Reference Water Sample #4 Report for NA

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	4.5	-2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	4.4	-5.1		EMISSION, FLAME	1,2
3	4.8	3.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	4.6	-0.8		EMISSION, FLAME	1,2
6	4.4	-5.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
7	2.3	-50.4	REJECT	EMISSION, FLAME	1,2
8	4.7	1.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	3.3	-28.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	4.4	-5.1		EMISSION, IC PLASMA	3,5
12	4.2	-9.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
13	4.8	3.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
14	4.4	-5.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	5.6	20.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
16	4.5	-2.9		OTHER	
18	4.6	-0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	4.6	-0.8		EMISSION, IC PLASMA	3,5
20	< 5.0		IGNORED	EMISSION, FLAME	1,2
21	4.5	-2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	4.5	-2.9		EMISSION, IC PLASMA	3,5
23	4.9	5.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	4.6	-0.8		EMISSION, IC PLASMA	3,5
25	5.2	12.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	4.8	3.5		EMISSION, IC PLASMA	3,5
29	5.0	7.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	4.4	-5.1		EMISSION, IC PLASMA	3,5
32	3.8	-18.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	4.0	-13.7		EMISSION, IC PLASMA	3,5
34	4.6	-0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
35	4.4	-5.1		EMISSION, FLAME	1,2
37	4.5	-2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	4.0	-13.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
41	4.6	-0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	4.5	-2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	4.6	-0.8		EMISSION, IC PLASMA	3,5
46	5.0	7.8		EMISSION, FLAME	1,2
48	4.9	5.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
49	5.1	10.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	4.7	1.4		EMISSION, FLAME	1,2
51	< 5.0		IGNORED	EMISSION, IC PLASMA	3,5
52	5.0	7.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
53	4.7	1.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
55	4.7	1.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	8.2	76.9	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	5.3	14.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
58	6.1	31.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for NA

Code Number	Reported value	Pct. dev. from mean	Methods	References
59	4.8	3.5	EMISSION, IC PLASMA	3,5
61	4.8	3.5	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	4.4	-5.1	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
64	4.7	1.4	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	5.3	14.3	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	4.9	5.7	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	4.8	3.5	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	4.5	-2.9	EMISSION, IC PLASMA	3,5
73	5.1	10.0	EMISSION, FLAME	1,2
75	3.2	-31.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
76	4.5	-2.9	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	4.6	-0.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	4.4	-5.1	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	3.4	-26.7	EMISSION, IC PLASMA	3,5
88	5.1	10.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
89	4.6	-0.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
90	5.0	7.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	4.9	5.7	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	4.4	-5.1	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	4.6	-0.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	4.6	-0.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	5.0	7.8	EMISSION, IC PLASMA	3,5
97	4.6	-0.8	NOT REPORTED	
99	5.0	7.8	EMISSION, IC PLASMA	3,5
100	4.7	1.4	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
105	4.3	-7.3	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	5.7	22.9	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
109	4.6	-0.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
112	4.4	-5.1	EMISSION, IC PLASMA	3,5
115	4.1	-11.6	EMISSION, IC PLASMA	3,5

75 Labs had a total range of 2.3 to 8.2 and a mean of 4.64
with a standard deviation of 0.47 and a 95% confidence interval of the mean +/- 0.11.

Table 7 Standard Reference Water Sample M4 Report for NO2-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
4	0.03	476.9		COLORIMETRIC, DIAZOTIZATION	1,3,4
5	0.01	92.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
10	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
12	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
14	0.01	92.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
15	< 0.00		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
18	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
21	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
23	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
25	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
27	< 0.00		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
28	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
29	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
37	0.01	92.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
39	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
41	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
43	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
44	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
46	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
50	< 0.00		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
51	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
55	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
56	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
57	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
58	0.03	476.9		COLORIMETRIC, DIAZOTIZATION	1,3,4
60	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
62	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
65	< 0.02		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
67	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
69	0.01	92.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
71	< 0.05		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
72	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
73	< 0.05		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
74	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
76	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
77	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
86	0.01	92.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
87	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
89	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
90	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
91	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
92	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
94	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
95	0.05	861.5	REJECT	COLORIMETRIC, DIAZOTIZATION	1,3,4
96	< 0.02		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4

Table 7 Standard Reference Water Sample 44 Report for NO2-N

Code Number	Reported value	Pct. dev. from mean	Methods		References
97	< 0.01		IGNORED	NOT REPORTED	
99	< 0.05		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
102	0.02	284.6		COLORIMETRIC, DIAZOTIZATION	1,3,4
104	0.01	92.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
105	< 0.00		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
107	0.00	-100.0		COLORIMETRIC, DIAZOTIZATION	1,3,4
109	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
111	< 0.02		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4

53 Labs had a total range of 0.00 to 0.05 and a mean of 0.005
with a standard deviation of 0.009 and a 95% confidence interval of the mean +/- 0.004.

Table 7 Standard Reference Water Sample #4 Report for NO3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
4	0.30	59.7		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
5	0.14	-25.5		OTHER	
6	0.14	-25.5		ION CHROMATOGRAPHY	2,3,6,7
10	0.27	43.8		COLORIMETRIC, BRUCINE	1,2,3,4
12	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
13	0.26	38.4		COLORIMETRIC, BRUCINE	1,2,3,4
14	0.16	-14.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
15	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
16	0.21	11.8		COLORIMETRIC, BRUCINE	1,2,3,4
18	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
20	< 0.50		IGNORED	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
21	0.08	-57.4		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
22	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
23	0.19	1.2		COLORIMETRIC, BRUCINE	1,2,3,4
24	0.40	113.0	REJECT	OTHER	
25	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
26	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
27	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
28	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
29	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
30	0.17	-9.5		ION CHROMATOGRAPHY	2,3,6,7
37	0.21	11.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
39	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
41	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
43	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
44	0.14	-25.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
45	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
46	0.19	1.2		COLORIMETRIC, BRUCINE	1,2,3,4
48	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
50	0.19	1.2		COLORIMETRIC, BRUCINE	1,2,3,4
51	0.17	-9.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
52	0.15	-20.1		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
53	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
55	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
56	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
57	0.19	1.2		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
58	0.16	-14.8		COLORIMETRIC, BRUCINE	1,2,3,4
59	0.86	357.9	REJECT	ION CHROMATOGRAPHY	2,3,6,7
61	0.26	38.4		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
62	0.07	-62.7		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
64	0.21	11.8		ION CHROMATOGRAPHY	2,3,6,7
65	0.15	-20.1		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
69	0.17	-9.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
71	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
72	0.18	-4.2		ION CHROMATOGRAPHY	2,3,6,7

Table 7 Standard Reference Water Sample M4 Report for NO3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
73	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
74	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
75	0.15	-20.1		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
76	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
77	0.22	17.1		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
79	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
84	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
86	0.17	-9.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
87	0.32	70.4		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
89	0.30	59.7		COLORIMETRIC, BRUCINE	1,2,3,4
90	0.28	49.1		COLORIMETRIC, BRUCINE	1,2,3,4
91	0.18	-4.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
92	0.01	-94.7	REJECT	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
94	0.19	1.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
95	0.20	6.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
96	0.18	-4.2		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
97	0.20	6.5		NOT REPORTED	
99	0.17	-9.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
100	0.10	-46.8		OTHER	
102	0.16	-14.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
104	0.19	1.2		COLORIMETRIC, BRUCINE	1,2,3,4
105	0.15	-20.1		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
107	0.21	11.8		COLORIMETRIC, BRUCINE	1,2,3,4
109	0.10	-46.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
111	0.22	17.1		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
112	0.18	-4.2		ION CHROMATOGRAPHY	2,3,6,7
115	0.18	-4.2		ION CHROMATOGRAPHY	2,3,6,7

72 Labs had a total range of 0.01 to 0.86 and a mean of 0.188
with a standard deviation of 0.044 and a 95% confidence interval of the mean +/- 0.011.

Table 7 Standard Reference Water Sample M4 Report for P, TOTAL

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 0.01		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
2	0.06	222.6		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
4	0.01	-46.2		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
6	0.20	975.3	REJECT	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
8	< 0.01		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
10	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
12	0.02	7.5		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
14	0.03	61.3		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
15	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
16	0.00	-100.0		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
21	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
25	< 0.05		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
27	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
28	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
30	0.03	61.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
31	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
37	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
39	< 0.02		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
40	< 0.03		IGNORED	NOT REPORTED	
41	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
43	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
44	0.02	7.5		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
45	0.00	-100.0		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
46	0.07	276.3	REJECT	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
48	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
50	< 0.05		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
51	0.06	222.6		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
53	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
55	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
56	0.08	330.1	REJECT	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
57	0.03	61.3		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
58	0.01	-46.2		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
60	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
61	0.03	61.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
62	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
64	0.01	-46.2		EMISSION, IC PLASMA	3,5
65	< 0.05		IGNORED	COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
69	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
71	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
72	0.03	61.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
73	< 0.10		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
75	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
77	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
79	0.05	163.8		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
84	< 0.01		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for P, TOTAL

Code Number	Reported value	Pct. dev. from mean		Methods	References
86	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
87	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
89	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
90	0.04	115.1		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
92	0.01	-46.2		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
95	0.02	7.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
96	< 0.02		IGNORED	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
97	< 0.01		IGNORED	NOT REPORTED	
99	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
102	0.04	115.1		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
104	0.39	1996.8	REJECT	OTHER	
105	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
107	0.09	383.9	REJECT	EMISSION, IC PLASMA	3,5
109	0.30	1512.9	REJECT	COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
111	0.01	-46.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
115	< 0.10		IGNORED	EMISSION, IC PLASMA	3,5

61 Labs had a total range of 0.00 to 0.39 and a mean of 0.019
with a standard deviation of 0.014 and a 95% confidence interval of the mean +/- 0.004.

Table 7 Standard Reference Water Sample #4 Report for Ph

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	7.61	1.6	ELECTROMETRIC	1,2,3,4
2	7.70	2.8	ELECTROMETRIC	1,2,3,4
3	7.80	4.2	ELECTROMETRIC	1,2,3,4
4	7.60	1.5	ELECTROMETRIC	1,2,3,4
5	7.42	-0.9	ELECTROMETRIC	1,2,3,4
6	7.80	4.2	ELECTROMETRIC	1,2,3,4
7	6.76	-9.7	ELECTROMETRIC	1,2,3,4
8	7.90	5.5	ELECTROMETRIC	1,2,3,4
10	7.80	4.2	ELECTROMETRIC	1,2,3,4
12	7.73	3.2	ELECTROMETRIC	1,2,3,4
13	7.58	1.2	ELECTROMETRIC	1,2,3,4
14	7.60	1.5	ELECTROMETRIC	1,2,3,4
15	6.85	-8.5	ELECTROMETRIC	1,2,3,4
16	7.81	4.3	ELECTROMETRIC	1,2,3,4
18	6.40	-14.5	ELECTROMETRIC	1,2,3,4
20	7.90	5.5	ELECTROMETRIC	1,2,3,4
21	7.90	5.5	ELECTROMETRIC	1,2,3,4
22	7.20	-3.8	ELECTROMETRIC	1,2,3,4
23	7.30	-2.5	ELECTROMETRIC	1,2,3,4
25	7.80	4.2	ELECTROMETRIC	1,2,3,4
26	7.60	1.5	ELECTROMETRIC	1,2,3,4
27	7.31	-2.4	ELECTROMETRIC	1,2,3,4
28	7.30	-2.5	ELECTROMETRIC	1,2,3,4
29	7.80	4.2	ELECTROMETRIC	1,2,3,4
30	6.51	-13.1	ELECTROMETRIC	1,2,3,4
31	7.44	-0.6	ELECTROMETRIC	1,2,3,4
32	7.70	2.8	ELECTROMETRIC	1,2,3,4
34	7.90	5.5	ELECTROMETRIC	1,2,3,4
35	7.11	-5.0	ELECTROMETRIC	1,2,3,4
37	7.60	1.5	ELECTROMETRIC	1,2,3,4
39	7.60	1.5	ELECTROMETRIC	1,2,3,4
40	6.66	-11.1	ELECTROMETRIC	1,2,3,4
41	7.27	-2.9	ELECTROMETRIC	1,2,3,4
43	7.60	1.5	ELECTROMETRIC	1,2,3,4
44	7.74	3.4	ELECTROMETRIC	1,2,3,4
45	7.73	3.2	ELECTROMETRIC	1,2,3,4
46	7.65	2.2	ELECTROMETRIC	1,2,3,4
48	7.20	-3.8	ELECTROMETRIC	1,2,3,4
49	7.43	-0.8	ELECTROMETRIC	1,2,3,4
50	7.50	0.2	ELECTROMETRIC	1,2,3,4
51	6.60	-11.9	ELECTROMETRIC	1,2,3,4
52	7.80	4.2	ELECTROMETRIC	1,2,3,4
53	7.60	1.5	ELECTROMETRIC	1,2,3,4
55	7.70	2.8	ELECTROMETRIC	1,2,3,4
56	7.10	-5.2	ELECTROMETRIC	1,2,3,4

Table 7 Standard Reference Water Sample M4 Report for PH

Code Number	Reported value	Pct. dev. from mean		Methods	References
57	7.53	0.6		ELECTROMETRIC	1,2,3,4
58	7.90	5.5		ELECTROMETRIC	1,2,3,4
59	7.74	3.4		ELECTROMETRIC	1,2,3,4
60	7.80	4.2		ELECTROMETRIC	1,2,3,4
61	7.30	-2.5		ELECTROMETRIC	1,2,3,4
62	7.42	-0.9		ELECTROMETRIC	1,2,3,4
64	7.70	2.8		ELECTROMETRIC	1,2,3,4
65	7.10	-5.2		ELECTROMETRIC	1,2,3,4
69	7.55	0.8		ELECTROMETRIC	1,2,3,4
70	7.35	-1.8		ELECTROMETRIC	1,2,3,4
71	7.40	-1.2		ELECTROMETRIC	1,2,3,4
72	7.05	-5.8		ELECTROMETRIC	1,2,3,4
73	6.40	-14.5		ELECTROMETRIC	1,2,3,4
74	6.10	-18.5	REJECT	ELECTROMETRIC	1,2,3,4
75	8.58	14.6		ELECTROMETRIC	1,2,3,4
76	7.72	3.1		ELECTROMETRIC	1,2,3,4
77	7.54	0.7		ELECTROMETRIC	1,2,3,4
79	7.81	4.3		ELECTROMETRIC	1,2,3,4
84	7.70	2.8		ELECTROMETRIC	1,2,3,4
86	7.49	0.0		ELECTROMETRIC	1,2,3,4
87	7.40	-1.2		ELECTROMETRIC	1,2,3,4
89	7.45	-0.5		ELECTROMETRIC	1,2,3,4
90	7.60	1.5		ELECTROMETRIC	1,2,3,4
91	7.50	0.2		ELECTROMETRIC	1,2,3,4
92	7.15	-4.5		ELECTROMETRIC	1,2,3,4
94	7.50	0.2		ELECTROMETRIC	1,2,3,4
95	7.56	1.0		ELECTROMETRIC	1,2,3,4
96	7.60	1.5		ELECTROMETRIC	1,2,3,4
99	7.75	3.5		ELECTROMETRIC	1,2,3,4
100	7.70	2.8		ELECTROMETRIC	1,2,3,4
102	7.80	4.2		ELECTROMETRIC	1,2,3,4
104	7.32	-2.2		ELECTROMETRIC	1,2,3,4
107	7.00	-6.5		ELECTROMETRIC	1,2,3,4
109	7.30	-2.5		ELECTROMETRIC	1,2,3,4
114	7.87	5.1		ELECTROMETRIC	1,2,3,4
115	7.60	1.5		ELECTROMETRIC	1,2,3,4
116	7.44	-0.6		ELECTROMETRIC	1,2,3,4

82 Labs had a total range of 6.10 to 8.58 and a mean of 7.438
with a standard deviation of 0.374 and a 95% confidence interval of the mean +/- 0.083.

Table 7 Standard Reference Water Sample M4 Report for SIO2

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	6.9	-3.9		NOT REPORTED	
2	6.7	-6.6		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
4	7.4	3.1		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
6	7.9	10.1		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
8	8.3	15.6		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
10	7.0	-2.5		EMISSION, IC PLASMA	5
12	7.6	5.9		EMISSION, IC PLASMA	5
15	4.2	-41.5		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
19	7.7	7.3		EMISSION, IC PLASMA	5
22	8.0	11.5		EMISSION, IC PLASMA	5
23	5.6	-22.0		COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
24	6.9	-3.9		EMISSION, IC PLASMA	5
27	3.6	-49.8		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
28	7.5	4.5		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
29	7.6	5.9		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
30	7.1	-1.1		EMISSION, IC PLASMA	5
33	7.5	4.5		EMISSION, IC PLASMA	5
37	7.6	5.9		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
39	8.2	14.3		EMISSION, IC PLASMA	5
40	< 0.0		IGNORED	OTHER	
41	7.4	3.1		COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE	3
43	7.3	1.7		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
44	8.0	11.5		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
45	6.5	-9.4		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
46	6.0	-16.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
48	7.1	-1.1		COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
49	4.0	-44.3		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
52	6.7	-6.6		COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
55	7.2	0.3		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
58	6.7	-6.6		COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
59	7.5	4.5		EMISSION, IC PLASMA	5
60	7.7	7.3		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
61	6.8	-5.3		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
62	5.4	-24.8		COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
67	7.5	4.5		COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
69	8.5	18.4		COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE	3
71	9.0	25.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
72	7.0	-2.5		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
74	6.3	-12.2		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
77	7.4	3.1		COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE	3
84	6.7	-6.6		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
87	7.5	4.5		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
90	5.6	-22.0		COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
94	8.7	21.2		COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
95	6.0	-16.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4

Table 7 Standard Reference Water Sample M4 Report for SIO2

Code Number	Reported value	Pct. dev. from mean	Methods	References
96	8.1	12.9	EMISSION, IC PLASMA	5
99	8.2	14.3	EMISSION, IC PLASMA	5
100	6.3	-12.2	COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
102	8.2	14.3	COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
107	7.4	3.1	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
109	7.6	5.9	COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
111	8.9	24.0	COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
115	10.7	49.1	COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE	3

53 Labs had a total range of 3.6 to 10.7 and a mean of 7.18
with a standard deviation of 1.24 and a 95% confidence interval of the mean +/- 0.34.

Table 7 Standard Reference Water Sample M4 Report for SO4

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	14	-28.3		NOT REPORTED	
3	18	-7.8		THORIN TITRATION	2,4
4	16	-18.1		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
6	20	2.4		ION CHROMATOGRAPHY	2,6
7	20	2.4		GRAVIMETRIC, BARIUM SULFATE	1,2,3
8	23	17.8		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
9	25	28.0		COLORIMETRIC, CHLORANILATE	3
10	18	-7.8		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
12	17	-12.9		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
13	20	2.4		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
14	20	2.4		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
15	16	-18.1		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
16	19	-2.7		GRAVIMETRIC, BARIUM SULFATE	1,2,3
18	19	-2.7		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
20	17	-12.9		GRAVIMETRIC, BARIUM SULFATE	1,2,3
21	19	-2.7		GRAVIMETRIC, BARIUM SULFATE	1,2,3
22	19	-2.7		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
23	23	17.8		COLORIMETRIC, CHLORANILATE	3
24	21	7.5		GRAVIMETRIC, BARIUM SULFATE	1,2,3
25	22	12.7		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
29	21	7.5		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
30	19	-2.7		ION CHROMATOGRAPHY	2,6
32	25	28.0		GRAVIMETRIC, BARIUM SULFATE	1,2,3
34	31	58.7		COLORIMETRIC, CHLORANILATE	3
35	20	2.4		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
39	21	7.5		GRAVIMETRIC, BARIUM SULFATE	1,2,3
41	20	2.4		ION CHROMATOGRAPHY	2,6
43	18	-7.8		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
44	18	-7.8		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
45	20	2.4		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
46	21	7.5		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
48	21	7.5		ION CHROMATOGRAPHY	2,6
49	27	38.3		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
50	17	-12.9		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
51	5	-74.4	REJECT	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
52	20	2.4		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
53	20	2.4		NOT REPORTED	
55	17	-12.9		THORIN TITRATION	2,4
56	20	2.4		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
57	20	2.4		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
58	20	2.4		COLORIMETRIC, CHLORANILATE	3
59	19	-2.7		ION CHROMATOGRAPHY	2,6
61	8	-59.0		GRAVIMETRIC, BARIUM SULFATE	1,2,3
62	18	-7.8		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
64	18	-7.8		ION CHROMATOGRAPHY	2,6

Table 7 Standard Reference Water Sample M4 Report for SO4

Code Number	Reported value	Pct. dev. from mean	Methods	References
65	17	-12.9	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
67	20	2.4	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
69	29	48.5	GRAVIMETRIC, BARIUM SULFATE	1,2,3
71	23	17.8	GRAVIMETRIC, BARIUM SULFATE	1,2,3
72	22	12.7	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
73	15	-23.2	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
74	26	33.1	GRAVIMETRIC, BARIUM SULFATE	1,2,3
75	15	-23.2	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
77	18	-7.8	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
79	19	-2.7	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
84	26	33.1	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
86	19	-2.7	OTHER	
89	17	-12.9	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
90	21	7.5	GRAVIMETRIC, BARIUM SULFATE	1,2,3
91	21	7.5	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
92	9	-53.9	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
94	17	-12.9	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
95	25	28.0	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
96	16	-18.1	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
99	20	2.4	ION CHROMATOGRAPHY	2,6
100	20	2.4	GRAVIMETRIC, BARIUM SULFATE	1,2,3
102	16	-18.1	ION CHROMATOGRAPHY	2,6
105	24	22.9	GRAVIMETRIC, BARIUM SULFATE	1,2,3
107	7	-64.2	GRAVIMETRIC, BARIUM SULFATE	1,2,3
109	21	7.5	GRAVIMETRIC, BARIUM SULFATE	1,2,3
112	19	-2.7	ION CHROMATOGRAPHY	2,6
115	19	-2.7	ION CHROMATOGRAPHY	2,6
117	20	2.4	TURBIDIMETRIC, BARIUM SULFATE	1,2,3

73 Labs had a total range of 5 to 31 and a mean of 19.5
with a standard deviation of 4.0 and a 95% confidence interval of the mean +/- 0.9.

Table 7 Standard Reference Water Sample M4 Report for SP. COND.

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	116	4.3		NOT REPORTED	
2	93	-16.4		OTHER	
3	111	-0.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
4	100	-10.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
5	121	8.8		ELECTRODELESS, INDUCTIVE CELL-TYPE	2
6	104	-6.5		DIRECT READING INSTRUMENT	4
7	117	5.2		DIRECT READING INSTRUMENT	4
8	112	0.7		DIRECT READING INSTRUMENT	4
12	111	-0.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
13	118	6.1		DIRECT READING INSTRUMENT	4
14	113	1.6		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
15	113	1.6		DIRECT READING INSTRUMENT	4
16	115	3.4		OTHER	
18	108	-2.9		DIRECT READING INSTRUMENT	4
20	110	-1.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
21	110	-1.1		DIRECT READING INSTRUMENT	4
22	107	-3.8		DIRECT READING INSTRUMENT	4
23	183	64.6	REJECT	DIRECT READING INSTRUMENT	4
25	100	-10.1		DIRECT READING INSTRUMENT	4
26	110	-1.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
27	110	-1.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
28	115	3.4		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
29	115	3.4		DIRECT READING INSTRUMENT	4
30	115	3.4		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
32	111	-0.2		DIRECT READING INSTRUMENT	4
34	95	-14.6		DIRECT READING INSTRUMENT	4
35	109	-2.0		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
37	113	1.6		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
39	109	-2.0		DIRECT READING INSTRUMENT	4
41	111	-0.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
43	108	-2.9		DIRECT READING INSTRUMENT	4
44	114	2.5		DIRECT READING INSTRUMENT	4
45	115	3.4		DIRECT READING INSTRUMENT	4
46	124	11.5		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
48	110	-1.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
49	111	-0.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
50	107	-3.8		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
51	131	17.8		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
52	112	0.7		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
53	115	3.4		DIRECT READING INSTRUMENT	4
55	113	1.6		DIRECT READING INSTRUMENT	4
56	105	-5.6		ELECTRODELESS, INDUCTIVE CELL-TYPE	2
57	19261	2E+04	REJECT	DIRECT READING INSTRUMENT	4
58	111	-0.2		OTHER	
59	100	-10.1		DIRECT READING INSTRUMENT	4

Table 7 Standard Reference Water Sample #4 Report for SP. COND.

Code Number	Reported value	Pct. dev. from mean		Methods	References
61	113	1.6		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
62	108	-2.9		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
64	106	-4.7		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
65	110	-1.1		DIRECT READING INSTRUMENT	4
67	113	1.6		DIRECT READING INSTRUMENT	4
69	123	10.6		DIRECT READING INSTRUMENT	4
70	60	-46.0	REJECT	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
71	105	-5.6		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
72	110	-1.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
74	113	1.6		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
76	111	-0.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
77	112	0.7		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
79	117	5.2		DIRECT READING INSTRUMENT	4
84	102	-8.3		DIRECT READING INSTRUMENT	4
86	110	-1.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
87	122	9.7		DIRECT READING INSTRUMENT	4
89	104	-6.5		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
90	118	6.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
91	100	-10.1		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
92	108	-2.9		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
94	111	-0.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
95	115	3.4		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
96	106	-4.7		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
99	108	-2.9		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
100	115	3.4		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
102	120	7.9		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
105	113	1.6		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
107	120	7.9		DIRECT READING INSTRUMENT	4
109	954	758.0	REJECT	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
111	118	6.1		DIRECT READING INSTRUMENT	4
114	114	2.5		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
115	104	-6.5		DIRECT READING INSTRUMENT	4

77 Labs had a total range of 60 to 19261 and a mean of 111.2
with a standard deviation of 6.5 and a 95% confidence interval of the mean +/- 1.5.

Table 7 Standard Reference Water Sample M4 Report for SR

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	85	-1.9		EMISSION, IC PLASMA	3,5
2	70	-19.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
4	90	3.9		OTHER	
6	130	50.1	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
8	80	-7.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
15	0	-100.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
22	82	-5.4		EMISSION, IC PLASMA	3,5
28	90	3.9		EMISSION, IC PLASMA	3,5
30	86	-0.7		EMISSION, IC PLASMA	3,5
33	84	-3.0		EMISSION, IC PLASMA	3,5
39	90	3.9		EMISSION, IC PLASMA	3,5
41	80	-7.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
44	94	8.5		OTHER	
45	87	0.4		NOT REPORTED	
55	80	-7.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
59	87	0.4		EMISSION, IC PLASMA	3,5
61	100	15.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
72	89	2.7		EMISSION, IC PLASMA	3,5
90	80	-7.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
95	120	38.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
96	95	9.7		EMISSION, IC PLASMA	3,5
99	95	9.7		EMISSION, IC PLASMA	3,5
112	91	5.0		EMISSION, IC PLASMA	3,5
115	80	-7.7		EMISSION, IC PLASMA	3,5
118	91	5.0		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

25 Labs had a total range of 0 to 130 and a mean of 86.6
with a standard deviation of 6.8 and a 95% confidence interval of the mean +/- 3.0.

Table 7 Standard Reference Water Sample M4 Report for V

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 6		IGNORED	OTHER	
4	5	-6.2		ATOMIC ABSORPTION, FLAMELESS	3
6	2	-62.5		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,3
8	< 20		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,3
12	< 10		IGNORED	EMISSION, IC PLASMA	3,5
30	5	-6.2		EMISSION, IC PLASMA	3,5
39	< 10		IGNORED	EMISSION, IC PLASMA	3,5
41	< 20		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,3
45	< 5		IGNORED	EMISSION, IC PLASMA	3,5
50	< 50		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
61	< 100		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,3
62	1	-81.2		ATOMIC ABSORPTION, FLAMELESS	3
71	< 100		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,3
72	141	2543.8	REJECT	EMISSION, IC PLASMA	3,5
95	7	31.3		ATOMIC ABSORPTION, FLAMELESS	3
96	< 5		IGNORED	EMISSION, IC PLASMA	3,5
99	< 3		IGNORED	EMISSION, IC PLASMA	3,5
107	< 250		IGNORED	EMISSION, IC PLASMA	3,5
112	12	125.0		EMISSION, IC PLASMA	3,5
115	< 30		IGNORED	EMISSION, IC PLASMA	3,5

20 Labs had a total range of 1 to 141 and a mean of 5.3
with a standard deviation of 3.9 and a 95% confidence interval of the mean +/- 4.1.

Table 8 . Statistics by method for standard reference sample M4

Determination	Method	Range: from	to	Mean	Standard Deviation	N
ALK(CACO3)	OTHER	26.000 -	28.000	27.000	1.000	3
	TITRATION, COLORIMETRIC, AUTOMATED	4.000 -	34.000	22.038	9.918	8
	TITRATION, COLORIMETRIC, MANUAL	21.500 -	58.000	32.012	10.288	17
	TITRATION, ELECTROMETRIC, AUTOMATED	25.400 -	64.000	27.075	0.805	8
	TITRATION, ELECTROMETRIC, MANUAL	14.000 -	40.000	26.955	1.110	29
	OVER-ALL	4.000 -	64.000	27.161	4.653	69
B	COLORIMETRIC, AZOMETHINE	10.000 -	15.000	12.500	1.581	
	COLORIMETRIC, CARMINE (CARMINIC ACID)	0.000 -	20.000	8.500	10.116	4
	COLORIMETRIC, CURCUMIN	0.000 -	130.000	18.833	16.130	6
	EMISSION, IC PLASMA	2.000 -	40.000	8.500	3.674	6
	OVER-ALL	0.000 -	130.000	15.619	14.235	21
BR	OTHER	10.000 -	10.000	10.000	3.674	1
	OVER-ALL	10.000 -	10.000	10.000	14.235	1
CA	ATOMIC ABSORPTION, DIRECT, AIR	5.600 -	20.000	10.964	1.835	44
	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	11.300 -	15.500	12.900	2.272	3
	EMISSION, IC PLASMA	10.700 -	14.000	11.541	0.560	17
	TITRATION, EDTA	10.000 -	15.500	11.578	0.897	9
	OVER-ALL	5.600 -	20.000	11.425	0.905	69
CL	COLORIMETRIC, FERRIC THIOCYANATE	1.000 -	9.000	2.752	0.403	21
	ION CHROMATOGRAPHY	1.400 -	2.800	2.733	0.052	6
	ION SELECTIVE ELECTRODE	2.300 -	4.900	3.275	1.132	4
	NOT REPORTED	2.700 -	3.700	3.167	0.503	3
	TITRATION, MERCURIC NITRATE	0.400 -	17.900	3.227	0.742	15
	TITRATION, SILVER NITRATE	1.500 -	8.000	3.567	1.888	12
	OVER-ALL	0.400 -	17.900	2.889	0.700	64
DSRD 180	NOT REPORTED	55.000 -	74.000	64.500	3.082	
	RESIDUE ON EVAPORATION	54.000 -	96.000	71.333	12.998	15
	RESIDUE ON EVAPORATION	35.000 -	80.000	69.111	5.732	9
	RESIDUE, FILTRABLE	0.000 -	124.000	66.071	23.311	28
	RESIDUE, FILTRABLE	56.000 -	79.000	68.333	7.607	6
	OVER-ALL	0.000 -	124.000	68.638	11.945	58
F	COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE"	0.420 -	0.500	0.453	0.042	3
	COLORIMETRIC, SPADNS	0.500 -	0.660	0.655	0.071	
	ION CHROMATOGRAPHY	0.420 -	0.480	0.458	0.026	6
	ION SELECTIVE ELECTRODE	0.400 -	0.480	0.441	0.029	8
	OTHER	0.290 -	1.130	0.466	0.032	27
	OVER-ALL	0.290 -	1.130	0.469	0.063	55
K	ATOMIC ABSORPTION, DIRECT, AIR	0.500 -	2.400	1.152	0.177	46
	EMISSION, FLAME	0.100 -	1.500	1.200	0.167	6
	OTHER	0.700 -	2.100	1.073	0.174	11
	OVER-ALL	0.100 -	2.400	1.141	0.179	66

Table 8 . Statistics by method for standard reference sample M4

Determination	Method	Range: from	to	Mean	Standard Deviation	N
MG	ATOMIC ABSORPTION, DIRECT, AIR	0.300 -	4.000	2.930	0.410	46
	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	2.900 -	3.300	2.900	0.000	2
	EMISSION, IC PLASMA	0.600 -	3.300	3.000	0.137	17
	TITRATION, EDTA	0.200 -	3.900	2.343	1.275	7
	OVER-ALL	0.200 -	4.000	2.949	0.371	73
NA	ATOMIC ABSORPTION, DIRECT, AIR	3.200 -	8.200	4.683	0.509	48
	EMISSION, FLAME	2.300 -	5.100	4.700	0.297	6
	EMISSION, IC PLASMA	3.400 -	5.000	4.550	0.293	14
	OVER-ALL	2.300 -	8.200	4.637	0.471	71
NO2-N	COLORIMETRIC, DIAZOTIZATION	0.000 -	0.050	0.005	0.009	27
	OVER-ALL	0.000 -	0.050	0.005	0.009	27
NO3-N	COLORIMETRIC, BRUCINE	0.160 -	0.300	0.223	0.046	11
	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	0.010 -	0.300	0.184	0.019	39
	COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	0.150 -	0.320	0.220	0.069	5
	ION CHROMATOGRAPHY	0.140 -	0.860	0.177	0.023	6
	OTHER	0.100 -	0.400	0.213	0.163	3
	OVER-ALL	0.010 -	0.860	0.188	0.044	68
P, TOTAL	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	0.000 -	0.200	0.022	0.020	37
	COLORIMETRIC,BLK DIG,H2SO4, K3HG2SO4, PHOSPHOMOLYBDATE	0.010 -	0.300	0.019	0.009	7
	EMISSION, IC PLASMA	0.010 -	0.090	0.050	0.200	
	OVER-ALL	0.000 -	0.390	0.019	0.014	43
PH	ELECTROMETRIC	6.100 -	8.580	7.488	0.374	81
	OVER-ALL	6.100 -	8.580	7.483	0.374	81
SIO2	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4.000 -	9.000	6.910	1.403	10
	COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	3.600 -	8.900	6.727	1.660	11
	COLORIMETRIC, MOLYBDOSILICIC ACID	6.300 -	8.700	7.356	0.797	9
	COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	5.600 -	7.500	6.533	0.781	6
	COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE	7.400 -	10.700	8.500	1.556	4
	EMISSION, IC PLASMA	6.900 -	8.200	7.618	0.475	11
	OVER-ALL	3.600 -	10.700	7.177	1.235	52
SO4	COLORIMETRIC, CHLORANILATE	20.000 -	31.000	24.750	4.646	4
	COLORIMETRIC, METHYL THYMOL BLUE	5.000 -	26.000	19.588	2.395	17
	GRAVIMETRIC, BARIUM SULFATE	7.000 -	29.000	20.063	5.744	16
	ION CHROMATOGRAPHY	16.000 -	21.000	19.100	1.370	10
	TURBIDIMETRIC, BARIUM SULFATE	9.000 -	27.000	18.700	3.600	20
	OVER-ALL	5.000 -	31.000	19.528	3.982	72
SP. COND.	DIRECT READING INSTRUMENT	95.000 -	19261.000	111.179	6.945	28
	OTHER	93.000 -	115.000	106.333	11.719	3
	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	60.000 -	954.000	110.842	4.716	38
	OVER-ALL	60.000 -	19261.000	111.192	6.482	73
SR	ATOMIC ABSORPTION, DIRECT, AIR	0.000 -	130.000	92.500	21.876	8

Table 3 . Statistics by method for standard reference sample M4

Determination	Method	Range: from	to	Mean	Standard Deviation	N
SR	EMISSION, IC PLASMA	80.000 -	95.000	87.833	4.726	12
	OVER-ALL	0.000 -	130.000	86.636	6.828	22
V	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	2.000 -	2.000	2.000	4.726	1
	ATOMIC ABSORPTION, FLAMELESS	1.000 -	7.000	4.333	3.055	3
	EMISSION, IC PLASMA	5.000 -	141.000	8.500	1.871	
	OVER-ALL	1.000 -	141.000	5.333	3.933	6

Table 9 Standard Reference Water Sample T93 Report for ACID@CACO3

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1000	-2.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
4	1100	7.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
12	1010	-1.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
14	1000	-2.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
16	1040	1.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
21	1140	11.2	REJECT	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
24	1000	-2.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
32	1040	1.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
34	10	-99.0	REJECT	TITRATION, COLORIMETRIC, MANUAL	1,2,3
45	1060	3.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
61	1020	-0.5		TITRATION, COLORIMETRIC, MANUAL	1,2,3
62	1000	-2.5		TITRATION, COLORIMETRIC, MANUAL	1,2,3
71	1030	0.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
77	1000	-2.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
92	1440	40.4	REJECT	NOT REPORTED	
94	1050	2.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
95	1040	1.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
99	1030	0.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
107	990	-3.5		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4

19 Labs had a total range of 10 to 1440 and a mean of 1026
with a standard deviation of 29 and a 95% confidence interval of the mean +/- 16.

Table 9 Standard Reference Water Sample T93 Report for AG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	5.0	55.0		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
2	2.7	-16.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
4	1.0	-69.0		ATOMIC ABSORPTION, FLAMELESS	3
5	6.0	86.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
6	3.1	-3.9		ATOMIC ABSORPTION, FLAMELESS	3
7	3.5	8.5		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
10	4.3	33.3		ATOMIC ABSORPTION, FLAMELESS	3
12	2.8	-13.2		ATOMIC ABSORPTION, FLAMELESS	3
14	0.3	-90.7		ATOMIC ABSORPTION, FLAMELESS	3
18	< 2.5		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
21	1.0	-69.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
22	2.5	-22.5		ATOMIC ABSORPTION, FLAMELESS	3
23	2.6	-19.4		ATOMIC ABSORPTION, FLAMELESS	3
26	5.0	55.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
32	9.0	179.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
33	250.0	7650.3	REJECT	NOT REPORTED	
34	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
39	1.0	-69.0		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
40	90.0	2690.1	REJECT	OTHER	
41	< 5.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
44	2.9	-10.1		ATOMIC ABSORPTION, FLAMELESS	3
45	3.3	2.3		ATOMIC ABSORPTION, FLAMELESS	3
46	6.0	86.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
50	4.0	24.0		ATOMIC ABSORPTION, FLAMELESS	3
57	3.0	-7.0		NOT REPORTED	
58	1.7	-47.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
61	1.0	-69.0		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
62	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
64	0.6	-81.4		ATOMIC ABSORPTION, FLAMELESS	3
69	3.0	-7.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
70	2.0	-38.0		ATOMIC ABSORPTION, FLAMELESS	3
71	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
72	2.9	-10.1		ATOMIC ABSORPTION, FLAMELESS	3
73	< 5.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
77	3.0	-7.0		ATOMIC ABSORPTION, FLAMELESS	3
78	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
84	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
86	2.7	-16.3		NOT REPORTED	
91	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
94	2.8	-13.2		ATOMIC ABSORPTION, FLAMELESS	3
95	2.6	-19.4		ATOMIC ABSORPTION, FLAMELESS	3
96	3.2	-0.8		ATOMIC ABSORPTION, FLAMELESS	3
99	2.6	-19.4		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
102	4.0	24.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
105	2.8	-13.2		ATOMIC ABSORPTION, FLAMELESS	3
107	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
112	< 6.0		IGNORED	EMISSION, IC PLASMA	3
116	9.0	179.0		EMISSION, IC PLASMA	3
117	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3

50 Labs had a total range of 0.3 to 250.0 and a mean of 3.23
with a standard deviation of 1.98 and a 95% confidence interval of the mean +/- 0.63.

Table 9 Standard Reference Water Sample T93 Report for AL

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	150	-10.4		EMISSION, DC PLASMA	
4	50	-73.1		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
5	179	7.0		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
6	120	-28.3		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
8	250	49.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
10	125	-25.3		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
12	140	-16.3		EMISSION, IC PLASMA	3,5
14	110	-34.3		SPECTROPHOTOMETRIC, ERIOCHROME CYANINE	1
22	141	-15.7		EMISSION, IC PLASMA	3,5
24	180	7.6		EMISSION, IC PLASMA	3,5
26	212	26.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
28	230	37.4		EMISSION, IC PLASMA	3,5
29	95	-43.2		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
30	200	19.5		EMISSION, IC PLASMA	3,5
32	148	-11.6		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
33	149	-11.0		NOT REPORTED	
39	160	-4.4		EMISSION, IC PLASMA	3,5
41	160	-4.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
44	180	7.6		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
45	170	1.6		ATOMIC ABSORPTION, FLAMELESS (GRAPHITE FURNACE)	
50	170	1.6		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
51	< 10		IGNORED	EMISSION, IC PLASMA	3,5
54	160	-4.4		EMISSION, IC PLASMA	3,5
57	186	11.1		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
59	180	7.6		EMISSION, IC PLASMA	3,5
61	350	109.1	REJECT	ATOMIC ABSORPTION, CHELATION EXTRACTION, NITROUS OXIDE	2,4
62	110	-34.3		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
64	< 100		IGNORED	ATOMIC ABSORPTION, FLAMELESS (GRAPHITE FURNACE)	
65	< 200		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
69	776	363.7	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
71	< 200		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
72	273	63.1		EMISSION, IC PLASMA	3,5
73	190	13.5		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
77	195	16.5		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
78	240	43.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
84	10	-94.0	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
86	147	-12.2		EMISSION, IC PLASMA	3,5
94	149	-11.0		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
95	200	19.5		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
96	163	-2.6		EMISSION, IC PLASMA	3,5
99	190	13.5		ATOMIC ABSORPTION, CHELATION EXTRACTION, NITROUS OXIDE	2,4
101	138	-17.5		ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
102	160	-4.4		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
107	< 300		IGNORED	EMISSION, IC PLASMA	3,5
116	192	14.7		EMISSION, IC PLASMA	3,5

45 Labs had a total range of 10 to 776 and a mean of 167.4
with a standard deviation of 43.7 and a 95% confidence interval of the mean +/- 14.5.

Table 9 Standard Reference Water Sample T93 Report for AS

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	6.0	10.3		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
4	6.0	10.3		ATOMIC ABSORPTION, FLAMELESS	3
5	5.4	-0.7		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
6	5.2	-4.4		ATOMIC ABSORPTION, FLAMELESS	3
7	4.2	-22.8		ATOMIC ABSORPTION, FLAMELESS	3
8	5.0	-8.1		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
10	6.0	10.3		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
12	6.3	15.8		ATOMIC ABSORPTION, FLAMELESS	3
14	6.0	10.3		ATOMIC ABSORPTION, FLAMELESS	3
18	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
22	2.1	-61.4		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
26	6.0	10.3		ATOMIC ABSORPTION, FLAMELESS	3
30	5.8	6.6		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
33	15.0	175.7	REJECT	NOT REPORTED	
34	5.0	-8.1		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
39	4.0	-26.5		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
40	8.8	61.7		ATOMIC ABSORPTION, FLAMELESS	3
41	5.0	-8.1		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
45	5.2	-4.4		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
46	1.8	-66.9		ATOMIC ABSORPTION, HYDRIDE, (ZINC)	1,2,3,4
50	3.1	-43.0		ATOMIC ABSORPTION, FLAMELESS	3
51	5.0	-8.1		ATOMIC ABSORPTION, FLAMELESS	3
57	4.6	-15.4		ATOMIC ABSORPTION, FLAMELESS	3
58	3.8	-30.2		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
61	4.5	-17.3		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
62	4.5	-17.3		ATOMIC ABSORPTION, FLAMELESS	3
64	< 3.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
65	6.6	21.3		ATOMIC ABSORPTION, FLAMELESS	3
67	5.6	2.9		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
69	5.8	6.6		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
70	5.0	-8.1		ATOMIC ABSORPTION, FLAMELESS	3
71	10.0	83.8		ATOMIC ABSORPTION, FLAMELESS	3
72	4.4	-19.1		ATOMIC ABSORPTION, FLAMELESS	3
73	10.0	83.8		ATOMIC ABSORPTION, FLAMELESS	3
77	5.0	-8.1		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
78	4.0	-26.5		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
84	6.0	10.3		ATOMIC ABSORPTION, FLAMELESS	3
86	5.1	-6.3		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
94	6.1	12.1		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
95	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
96	8.0	47.0		ATOMIC ABSORPTION, FLAMELESS	3
97	6.0	10.3		NOT REPORTED	
99	5.7	4.8		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
102	6.0	10.3		ATOMIC ABSORPTION, FLAMELESS	3
105	4.9	-9.9		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
107	5.0	-8.1		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
116	57.0	947.7	REJECT	EMISSION, IC PLASMA	3

47 Labs had a total range of 1.8 to 57.0 and a mean of 5.44
with a standard deviation of 1.63 and a 95% confidence interval of the mean +/- 0.51.

Table 9 Standard Reference Water Sample T93 Report for BA

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 100		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
2	70	-0.8		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
4	70	-0.8		EMISSION, IC PLASMA	3,5
6	8	-88.7	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
7	65	-7.9		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
8	< 100		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
10	68	-3.6		EMISSION, IC PLASMA	3,5
12	70	-0.8		EMISSION, IC PLASMA	3,5
14	40	-43.3		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
18	< 50		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
19	66	-6.5		EMISSION, IC PLASMA	3,5
21	60	-15.0		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
22	64	-9.3		EMISSION, IC PLASMA	3,5
23	80	13.4		EMISSION, DC PLASMA	2
24	70	-0.8		EMISSION, IC PLASMA	3,5
26	94	33.2		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
28	68	-3.6		EMISSION, IC PLASMA	3,5
30	72	2.0		EMISSION, IC PLASMA	3,5
32	< 50		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
33	67	-5.1		NOT REPORTED	
39	60	-15.0		EMISSION, IC PLASMA	3,5
41	60	-15.0		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
44	75	6.3		ATOMIC ABSORPTION, FLAMELESS	3
45	70	-0.8		EMISSION, IC PLASMA	3,5
46	57	-19.2		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
50	80	13.4		EMISSION, DC PLASMA	2
54	73	3.4		EMISSION, IC PLASMA	3,5
57	102	44.5		ATOMIC ABSORPTION, FLAMELESS	3
58	83	17.6		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
59	69	-2.2		EMISSION, IC PLASMA	3,5
61	200	183.4	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
62	75	6.3		ATOMIC ABSORPTION, FLAMELESS	3
65	< 200		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
69	224	217.4	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
70	76	7.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
71	< 500		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
72	70	-0.8		EMISSION, IC PLASMA	3,5
73	52	-26.3		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
78	170	140.9	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
84	60	-15.0		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
86	85	20.4		EMISSION, IC PLASMA	3,5
94	60	-15.0		ATOMIC ABSORPTION, FLAMELESS	3
95	100	41.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
96	67	-5.1		EMISSION, IC PLASMA	3,5
97	63	-10.7		NOT REPORTED	

Table 9 Standard Reference Water Sample T93 Report for BA

Code Number	Reported value	Pct. dev. from mean		Methods	References
99	69	-2.2		EMISSION, IC PLASMA	3,5
102	60	-15.0		ATOMIC ABSORPTION, FLAMELESS	3
105	100	41.7		ATOMIC ABSORPTION, FLAMELESS	3
107	60	-15.0		EMISSION, IC PLASMA	3,5
112	75	6.3		EMISSION, IC PLASMA	3,5
116	74	4.9		EMISSION, IC PLASMA	3,5
118	65	-7.9		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

52 Labs had a total range of 8 to 224 and a mean of 70.6
with a standard deviation of 12.5 and a 95% confidence interval of the mean +/- 3.9.

Table 9 Standard Reference Water Sample T93 Report for BE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	10.0	49.5		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
4	11.0	64.5		ATOMIC ABSORPTION, FLAMELESS	3
6	15.0	124.3	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
8	10.0	49.5		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
12	6.0	-10.3		EMISSION, IC PLASMA	3,5
19	7.8	16.6		EMISSION, IC PLASMA	3,5
21	7.0	4.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
26	7.0	4.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
28	6.1	-8.8		EMISSION, IC PLASMA	3,5
30	7.0	4.7		EMISSION, IC PLASMA	3,5
33	6.4	-4.3		NOT REPORTED	
39	6.0	-10.3		EMISSION, IC PLASMA	3,5
40	7.0	4.7		EMISSION, IC PLASMA	3,5
41	7.0	4.7		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
45	6.0	-10.3		EMISSION, IC PLASMA	3,5
50	64.0	856.9	REJECT	COLORIMETRIC, ALUMINON	1
51	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
57	6.5	-2.8		ATOMIC ABSORPTION, FLAMELESS	3
58	4.0	-40.2		EMISSION, IC PLASMA	3,5
59	6.4	-4.3		EMISSION, IC PLASMA	3,5
61	3.0	-55.1		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
62	6.5	-2.8		ATOMIC ABSORPTION, FLAMELESS	3
71	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
72	6.5	-2.8		EMISSION, IC PLASMA	3,5
84	20.0	199.0	REJECT	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
94	6.7	0.2		ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
96	6.2	-7.3		EMISSION, IC PLASMA	3,5
99	7.4	10.6		EMISSION, IC PLASMA	3,5
102	6.0	-10.3		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
112	6.4	-4.3		EMISSION, IC PLASMA	3,5
116	4.0	-40.2		EMISSION, IC PLASMA	3,5

33 Labs had a total range of 3.0 to 64.0 and a mean of 6.69
with a standard deviation of 1.72 and a 95% confidence interval of the mean +/- 0.69.

Table 9 Standard Reference Water Sample T93 Report for CD

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	5.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	4.0	-16.4		ATOMIC ABSORPTION, FLAMELESS	3
5	5.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	5.6	17.0		ATOMIC ABSORPTION, FLAMELESS	3
7	4.2	-12.3		ATOMIC ABSORPTION, FLAMELESS	3
8	5.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	5.3	10.7		ANODIC STRIPPING VOLTAMMETRY, DIFFERENTIAL PULSE	2
10	4.2	-12.3		ATOMIC ABSORPTION, FLAMELESS	3
12	4.7	-1.8		ATOMIC ABSORPTION, FLAMELESS	3
14	5.0	4.5		ATOMIC ABSORPTION, FLAMELESS	3
15	4.4	-8.1		ATOMIC ABSORPTION, FLAMELESS	3
16	< 5.0		IGNORED	EMISSION, DC PLASMA	7
18	4.5	-6.0		ATOMIC ABSORPTION, FLAMELESS	3
19	4.0	-16.4		EMISSION, IC PLASMA	3,5
21	6.0	25.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
23	5.0	4.5		ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	1,4
24	< 4.0		IGNORED	EMISSION, IC PLASMA	3,5
25	8.0	67.1	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	5.0	4.5		ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	1,4
28	4.5	-6.0		EMISSION, IC PLASMA	3,5
30	5.0	4.5		EMISSION, IC PLASMA	3,5
32	4.0	-16.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	4.5	-6.0		NOT REPORTED	
34	5.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	5.0	4.5		ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	1,4
40	8.0	67.1	REJECT	EMISSION, IC PLASMA	3,5
41	< 5.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	4.4	-8.1		ATOMIC ABSORPTION, FLAMELESS	3
45	4.2	-12.3		EMISSION, IC PLASMA	3,5
46	5.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	4.0	-16.4		ATOMIC ABSORPTION, FLAMELESS	3
51	4.3	-10.2		ATOMIC ABSORPTION, FLAMELESS	3
56	9.0	88.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	4.9	2.4		ATOMIC ABSORPTION, FLAMELESS	3
58	5.5	14.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
60	4.1	-14.3		ATOMIC ABSORPTION, FLAMELESS	3
61	5.2	8.6		ATOMIC ABSORPTION, EXTRACTION,(PDCA/CHCL3)	2,3
62	4.0	-16.4		ATOMIC ABSORPTION, FLAMELESS	3
64	1.0	-79.1	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
65	4.9	2.4		ATOMIC ABSORPTION, FLAMELESS	3
69	6.0	25.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	5.0	4.5		ATOMIC ABSORPTION, FLAMELESS	3
71	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	4.8	0.3		EMISSION, IC PLASMA	3,5
73	5.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 9 Standard Reference Water Sample T93 Report for CD

Code Number	Reported value	Pct. dev. from mean		Methods	References
77	5.0	4.5		ATOMIC ABSORPTION, FLAMELESS	3
78	6.0	25.4		ATOMIC ABSORPTION, FLAMELESS	3
79	3.8	-20.6		ATOMIC ABSORPTION, FLAMELESS	3
84	5.0	4.5		ATOMIC ABSORPTION, FLAMELESS	3
86	4.8	0.3		ATOMIC ABSORPTION, FLAMELESS	3
91	< 15.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	10.0	108.9	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	4.5	-6.0		ATOMIC ABSORPTION, FLAMELESS	3
95	8.4	75.5	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
96	4.4	-8.1		ATOMIC ABSORPTION, FLAMELESS	3
97	6.0	25.4		NOT REPORTED	
99	< 1.0		IGNORED	ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	1,4
102	6.0	25.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
104	5.5	14.9		ATOMIC ABSORPTION, FLAMELESS	3
105	3.8	-20.6		ATOMIC ABSORPTION, FLAMELESS	3
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
112	4.0	-16.4		EMISSION, IC PLASMA	3,5
116	5.0	4.5		EMISSION, IC PLASMA	3,5
117	4.0	-16.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
118	4.9	2.4		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

65 Labs had a total range of 1.0 to 10.0 and a mean of 4.79
with a standard deviation of 0.61 and a 95% confidence interval of the mean +/- 0.17.

Table 9 Standard Reference Water Sample T93 Report for CO

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	4.0	-22.3		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
4	4.0	-22.3		ATOMIC ABSORPTION, FLAMELESS	3
6	6.4	24.3		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	4.3	-16.5		EMISSION, IC PLASMA	3,5
21	7.0	35.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
23	5.0	-2.9		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
26	42.0	715.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	4.7	-8.7		EMISSION, IC PLASMA	3,5
33	5.5	6.8		NOT REPORTED	
39	4.0	-22.3		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
41	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
53	< 20.0		IGNORED	EMISSION, IC PLASMA	3,5
61	5.0	-2.9		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	5.6	8.7		EMISSION, IC PLASMA	3,5
77	13.0	152.4	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
84	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	7.0	35.9		EMISSION, IC PLASMA	3,5
99	4.0	-22.3		EMISSION, IC PLASMA	3,5
102	6.0	16.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
112	3.9	-24.3		EMISSION, IC PLASMA	3,5
116	6.0	16.5		EMISSION, IC PLASMA	3,5

26 Labs had a total range of 3.9 to 42.0 and a mean of 5.15
with a standard deviation of 1.10 and a 95% confidence interval of the mean +/- 0.58.

Table 9 Standard Reference Water Sample T93 Report for CR TOT

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	22.0	105.0		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,3,4
4	10.0	-6.8		ATOMIC ABSORPTION, FLAMELESS	3
5	8.6	-19.9		ATOMIC ABSORPTION, FLAMELESS	3
6	13.0	21.1		ATOMIC ABSORPTION, FLAMELESS	3
7	10.6	-1.2		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	4.1	-61.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	9.1	-15.2		ATOMIC ABSORPTION, FLAMELESS	3
12	10.2	-5.0		ATOMIC ABSORPTION, FLAMELESS	3
14	12.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
15	10.2	-5.0		ATOMIC ABSORPTION, FLAMELESS	3
18	8.6	-19.9		ATOMIC ABSORPTION, FLAMELESS	3
21	12.0	11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
25	20.0	96.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	11.0	2.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	11.0	2.5		EMISSION, IC PLASMA	3
30	15.0	39.7		EMISSION, IC PLASMA	3
32	11.0	2.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	12.0	11.8		NOT REPORTED	
34	14.0	30.4		ATOMIC ABSORPTION, FLAMELESS	3
39	< 10.0		IGNORED	EMISSION, IC PLASMA	3
40	13.0	21.1		EMISSION, IC PLASMA	3
41	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	9.8	-8.7		ATOMIC ABSORPTION, FLAMELESS	3
45	9.0	-16.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
46	6.0	-44.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	9.0	-16.2		ATOMIC ABSORPTION, FLAMELESS	3
51	< 10.0		IGNORED	EMISSION, IC PLASMA	3
56	6.0	-44.1		NOT REPORTED	
57	10.8	0.6		ATOMIC ABSORPTION, FLAMELESS	3
58	3.8	-64.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
60	9.6	-10.6		ATOMIC ABSORPTION, FLAMELESS	3
61	20.0	96.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	12.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
64	3.0	-72.1		ATOMIC ABSORPTION, FLAMELESS	3
65	< 30.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	14.0	30.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	10.0	-6.8		ATOMIC ABSORPTION, FLAMELESS	3
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	8.4	-21.7		EMISSION, IC PLASMA	3
73	9.0	-16.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	10.0	-6.8		ATOMIC ABSORPTION, FLAMELESS	3
78	10.0	-6.8		ATOMIC ABSORPTION, FLAMELESS	3
79	13.0	21.1		ATOMIC ABSORPTION, FLAMELESS	3
84	7.0	-34.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 9 Standard Reference Water Sample 193 Report for CR TOT

Code Number	Reported value	Pct. dev. from mean		Methods	References
86	10.7	-0.3		ATOMIC ABSORPTION, FLAMELESS	3
91	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1
94	10.5	-2.2		ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	10.4	-3.1		EMISSION, IC PLASMA	3
97	26.0	142.2	REJECT	NOT REPORTED	
99	2.4	-77.6		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,3,4
102	15.0	39.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
104	7.4	-31.1		ATOMIC ABSORPTION, FLAMELESS	3
105	14.3	33.2		ATOMIC ABSORPTION, FLAMELESS	3
107	< 20.0		IGNORED	EMISSION, IC PLASMA	3
116	16.0	49.1		EMISSION, IC PLASMA	3

58 Labs had a total range of 2.4 to 26.0 and a mean of 10.73
with a standard deviation of 4.01 and a 95% confidence interval of the mean +/- 1.18.

Table 9 Standard Reference Water Sample T93 Report for CU

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	30	0.8		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
2	32	7.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	29	-2.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	29	-2.5		ATOMIC ABSORPTION, FLAMELESS	3
7	12	-59.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	25	-16.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	28	-5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	30	0.8		EMISSION, IC PLASMA	3,5
12	33	10.9		EMISSION, IC PLASMA	3,5
14	37	24.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	32	7.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	31	4.2		EMISSION, IC PLASMA	3,5
21	32	7.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	33	10.9		EMISSION, IC PLASMA	3,5
24	26	-12.6		EMISSION, IC PLASMA	3,5
25	30	0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	35	17.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	34	14.3		EMISSION, IC PLASMA	3,5
29	21	-29.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	30	0.8		EMISSION, IC PLASMA	3,5
32	55	84.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	25	-16.0		NOT REPORTED	
34	10	-66.4		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
39	29	-2.5		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
40	30	0.8		EMISSION, IC PLASMA	3,5
41	32	7.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	31	4.2		ATOMIC ABSORPTION, FLAMELESS	3
45	34	14.3		EMISSION, IC PLASMA	3,5
46	4	-86.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	35	17.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	< 10		IGNORED	EMISSION, IC PLASMA	3,5
55	30	0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	30	0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	30	0.8		ATOMIC ABSORPTION, FLAMELESS	3
58	35	17.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	36	21.0		EMISSION, IC PLASMA	3,5
60	34	14.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
61	29	-2.5		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
62	50	68.0		ATOMIC ABSORPTION, FLAMELESS	3
64	10	-66.4		ATOMIC ABSORPTION, FLAMELESS	3
65	31	4.2		ATOMIC ABSORPTION, FLAMELESS	3
67	27	-9.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	42	41.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	27	-9.3		ATOMIC ABSORPTION, FLAMELESS	3
71	20	-32.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 9 Standard Reference Water Sample T93 Report for CU

Code Number	Reported value	Pct. dev. from mean		Methods	References
72	24	-19.3		EMISSION, IC PLASMA	3,5
73	33	10.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	10	-66.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	26	-13.6		ATOMIC ABSORPTION, FLAMELESS	3
78	32	7.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
79	37	24.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	30	0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	32	7.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	45	51.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	< 50		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	32	7.5		ATOMIC ABSORPTION, FLAMELESS	3
95	30	0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	30	0.8		EMISSION, IC PLASMA	3,5
97	32	7.5		NOT REPORTED	
99	34	14.3		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
102	33	10.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
104	23	-22.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
105	32	7.5		ATOMIC ABSORPTION, FLAMELESS	3
107	< 10		IGNORED	EMISSION, IC PLASMA	3,5
112	21	-29.4		EMISSION, IC PLASMA	3,5
116	31	4.2		EMISSION, IC PLASMA	3,5
117	31	4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
118	31	4.2		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

68 Labs had a total range of 4 to 55 and a mean of 29.8
with a standard deviation of 8.3 and a 95% confidence interval of the mean +/- 2.1.

Table 9 Standard Reference Water Sample T93 Report for FE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	128	25.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	90	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
3	100	-2.0		OTHER	
4	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	10	-90.2	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
7	120	17.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	104	1.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	106	3.9		EMISSION, IC PLASMA	3,5
12	95	-5.9		EMISSION, IC PLASMA	3,5
13	210	105.8	REJECT	OTHER	
14	120	17.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	0	-100.0	REJECT	OTHER	
18	93	-8.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	94	-7.9		EMISSION, IC PLASMA	3,5
21	93	-8.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	100	-2.0		EMISSION, IC PLASMA	3,5
23	105	2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	100	-2.0		EMISSION, IC PLASMA	3,5
25	120	17.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	178	74.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
27	306	200.0	REJECT	OTHER	
28	110	7.8		EMISSION, IC PLASMA	3,5
30	100	-2.0		EMISSION, IC PLASMA	3,5
32	39	-61.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	1035	914.5	REJECT	NOT REPORTED	
34	150	47.0		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
35	98	-3.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	220	115.7	REJECT	EMISSION, IC PLASMA	3,5
40	154	51.0		EMISSION, IC PLASMA	3,5
41	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	90	-11.8		ATOMIC ABSORPTION, FLAMELESS	3
45	105	2.9		EMISSION, IC PLASMA	3,5
46	96	-5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	60	-41.2		EMISSION, IC PLASMA	3,5
55	110	7.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	90	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
58	90	-11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	103	1.0		EMISSION, IC PLASMA	3,5
61	105	2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	140	37.2		ATOMIC ABSORPTION, FLAMELESS	3
65	71	-30.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
67	87	-14.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 9 Standard Reference Water Sample T93 Report for FE

Code Number	Reported value	Pct. dev. from mean		Methods	References
69	151	48.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	125	22.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	115	12.7		EMISSION, IC PLASMA	3,5
73	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	40	-60.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
76	0	-100.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	95	-6.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
78	105	2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	130	27.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	70	-31.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	100	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	101	-1.0		EMISSION, IC PLASMA	3,5
97	121	18.6		NOT REPORTED	
99	97	-4.9		EMISSION, IC PLASMA	3,5
100	93	-8.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
101	100	-2.0		ATOMIC ABSORPTION, FLAMELESS	3
102	107	4.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
105	79	-22.6		ATOMIC ABSORPTION, FLAMELESS	3
107	80	-21.6		EMISSION, IC PLASMA	3,5
112	102	-0.0		EMISSION, IC PLASMA	3,5
116	127	24.5		EMISSION, IC PLASMA	3,5
117	119	16.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

69 Labs had a total range of 0 to 1035 and a mean of 102.0
with a standard deviation of 21.4 and a 95% confidence interval of the mean +/- 5.5.

Table 9 Standard Reference Water Sample T93 Report for HG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 0.1		IGNORED	EMISSION, IC PLASMA	3
4	0.2	-40.5		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
6	0.3	-10.7		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
7	0.2	-40.5		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
10	0.1	-70.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
12	2.0	495.2	REJECT	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
14	< 0.5		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
18	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
23	0.2	-40.5		EMISSION, IC PLASMA	3
26	0.4	19.0		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
30	0.3	-10.7		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
34	< 0.1		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
39	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
41	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
44	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
45	0.0	-100.0		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
46	0.5	48.8		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
50	< 0.3		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
52	0.0	-100.0		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
56	0.4	19.0		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
57	1.0	197.6		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
58	0.2	-40.5		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
60	< 0.3		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
61	1.1	227.4		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
62	1.0	197.6		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
64	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
69	4.0	1090.5	REJECT	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
70	0.4	19.0		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
71	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
72	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
73	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
77	0.1	-70.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
78	< 0.4		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
79	0.5	48.8		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
84	< 0.5		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
86	0.1	-70.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
94	0.1	-70.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
95	0.1	-70.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
96	< 0.1		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
97	< 0.2		IGNORED	NOT REPORTED	
99	0.2	-40.5		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
102	0.4	19.0		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
104	0.5	48.8		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
105	0.1	-70.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
107	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
116	75.0	2E+04	REJECT	EMISSION, IC PLASMA	3
117	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4

47 Labs had a total range of 0.0 to 75.0 and a mean of 0.34
with a standard deviation of 0.30 and a 95% confidence interval of the mean +/- 0.13.

Table 9 Standard Reference Water Sample T93 Report for LI

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	20.0	-9.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
2	18.0	-18.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
4	20.0	-9.1		EMISSION, FLAME	1
6	4.0	-81.8	REJECT	OTHER	
19	21.0	-4.5		EMISSION, IC PLASMA	3,5
21	23.0	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
22	20.0	-9.1		EMISSION, IC PLASMA	3,5
28	21.0	-4.5		EMISSION, IC PLASMA	3,5
30	26.0	18.2		EMISSION, IC PLASMA	3,5
33	19.0	-13.6		NOT REPORTED	
39	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
41	20.0	-9.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
59	25.0	13.6		EMISSION, IC PLASMA	3,5
61	<100.0		IGNORED	EMISSION, FLAME	1
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
72	20.0	-9.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
95	30.0	36.4		EMISSION, FLAME	1
99	22.0	0.0		EMISSION, IC PLASMA	3,5
102	25.0	13.6		EMISSION, FLAME	1
112	< 25.0		IGNORED	EMISSION, IC PLASMA	3,5

20 Labs had a total range of 4.0 to 30.0 and a mean of 22.00
with a standard deviation of 3.23 and a 95% confidence interval of the mean +/- 1.79.

Table 9 Standard Reference Water Sample T93 Report for MN

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	101	3.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	106	8.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
3	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	10	-89.8	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
7	104	6.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	120	22.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	94	-3.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	100	2.2		EMISSION, IC PLASMA	3,5
12	97	-0.8		EMISSION, IC PLASMA	3,5
13	60	-38.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
14	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	98	0.2		EMISSION, IC PLASMA	3,5
21	101	3.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	94	-3.9		EMISSION, IC PLASMA	3,5
23	110	12.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	100	2.2		EMISSION, IC PLASMA	3,5
25	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	98	0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	99	1.2		EMISSION, IC PLASMA	3,5
30	100	2.2		EMISSION, IC PLASMA	3,5
32	96	-1.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	164	67.7	REJECT	NOT REPORTED	
34	65	-33.5	REJECT	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
35	98	0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	110	12.5		EMISSION, IC PLASMA	3,5
40	90	-8.0		EMISSION, IC PLASMA	3,5
41	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	94	-3.9		ATOMIC ABSORPTION, FLAMELESS	3
45	100	2.2		EMISSION, IC PLASMA	3,5
46	102	4.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	80	-18.2		EMISSION, IC PLASMA	3,5
54	104	6.3		EMISSION, IC PLASMA	3,5
55	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	95	-2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	90	-8.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
58	95	-2.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	100	2.2		EMISSION, IC PLASMA	3,5
61	94	-3.9		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
62	80	-18.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	103	5.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
67	93	-4.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 9 Standard Reference Water Sample T93 Report for MN

Code Number	Reported value	Pct. dev. from mean		Methods	References
69	105	7.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	125	27.8	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
71	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	101	3.3		EMISSION, IC PLASMA	3,5
73	91	-7.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	46	-53.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	97	-0.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	80	-18.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	100	2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	97	-0.8		EMISSION, IC PLASMA	3,5
97	104	6.3		NOT REPORTED	
99	101	3.3		EMISSION, IC PLASMA	3,5
100	98	0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
101	90	-8.0		ATOMIC ABSORPTION, FLAMELESS	3
102	101	3.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
105	104	6.3		ATOMIC ABSORPTION, FLAMELESS	3
107	90	-8.0		EMISSION, IC PLASMA	3,5
112	91	-7.0		EMISSION, IC PLASMA	3,5
116	100	2.2		EMISSION, IC PLASMA	3,5
117	93	-4.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

67 Labs had a total range of 10 to 154 and a mean of 97.8
with a standard deviation of 6.1 and a 95% confidence interval of the mean +/- 1.6.

Table 9 Standard Reference Water Sample T93 Report for MO

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	15.0	-23.2		ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE	4
4	21.0	7.5		ATOMIC ABSORPTION, FLAMELESS	3
6	17.0	-13.0		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
12	20.0	2.4		EMISSION, IC PLASMA	3,5
19	23.0	17.8		EMISSION, IC PLASMA	3,5
28	19.0	-2.7		EMISSION, IC PLASMA	3,5
30	18.0	-7.8		EMISSION, IC PLASMA	3,5
33	17.0	-13.0		NOT REPORTED	
39	< 50.0		IGNORED	EMISSION, IC PLASMA	3,5
41	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
50	30.0	53.6		ATOMIC ABSORPTION, FLAMELESS	3
51	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
58	47.0	140.6	REJECT	EMISSION, IC PLASMA	3,5
61	17.0	-13.0		ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE	4
71	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
72	21.5	10.1		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
95	27.0	38.2		ATOMIC ABSORPTION, FLAMELESS	3
96	20.0	2.4		EMISSION, IC PLASMA	3,5
99	15.0	-23.2		ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE	4
102	21.0	7.5		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
107	< 60.0		IGNORED	EMISSION, IC PLASMA	3,5
112	11.0	-43.7		EMISSION, IC PLASMA	3,5

23 Labs had a total range of 11.0 to 47.0 and a mean of 19.53
with a standard deviation of 4.63 and a 95% confidence interval of the mean +/- 2.47.

Table 9 Standard Reference Water Sample T93 Report for NI

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	9.0	-29.5		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
4	30.0	135.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	15.0	17.5		ATOMIC ABSORPTION, FLAMELESS	3
8	13.0	1.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	11.1	-13.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	9.0	-29.5		ATOMIC ABSORPTION, FLAMELESS	3
12	11.0	-13.8		ATOMIC ABSORPTION, FLAMELESS	3
14	11.0	-13.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
21	10.0	-21.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
25	20.0	56.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	35.0	174.2	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	12.0	-6.0		OTHER	
30	6.0	-53.0		OTHER	
32	16.0	25.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	7.2	-43.6		NOT REPORTED	
34	3.0	-76.5		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
39	10.0	-21.7		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
40	< 1.0		IGNORED	OTHER	
45	8.4	-34.2		OTHER	
50	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	20.0	56.7		OTHER	
57	12.5	-2.1		ATOMIC ABSORPTION, FLAMELESS	3
58	23.0	80.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
60	15.0	17.5		ATOMIC ABSORPTION, FLAMELESS	3
61	9.0	-29.5		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
62	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
64	6.6	-48.3		ATOMIC ABSORPTION, FLAMELESS	3
65	< 40.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	20.0	56.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	14.0	9.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
73	20.0	56.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
78	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	40.0	213.4	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	11.1	-13.0		ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	12.0	-6.0		OTHER	
97	16.0	25.4		NOT REPORTED	
99	12.0	-6.0		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
102	11.0	-13.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
104	9.2	-27.9		ATOMIC ABSORPTION, FLAMELESS	3
105	17.0	33.2		ATOMIC ABSORPTION, FLAMELESS	3
107	< 30.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
112	22.0	72.4		EMISSION, IC PLASMA	3,5
116	11.0	-13.8		EMISSION, IC PLASMA	3,5
117	14.0	9.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
118	12.4	-2.9		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

49 Labs had a total range of 3.0 to 40.0 and a mean of 12.76
with a standard deviation of 4.69 and a 95% confidence interval of the mean +/- 1.59.

Table 9 Standard Reference Water Sample T93 Report for PB

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	12.0	-3.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
2	6.2	-50.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	10.0	-19.5		ATOMIC ABSORPTION, FLAMELESS	3
5	20.0	61.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	20.0	61.0		ATOMIC ABSORPTION, FLAMELESS	3
7	26.1	110.1		ATOMIC ABSORPTION, FLAMELESS	3
8	11.0	-11.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	27.4	120.6		ANODIC STRIPPING VOLTAMMETRY	2
10	7.9	-36.4		ATOMIC ABSORPTION, FLAMELESS	3
12	11.0	-11.4		ATOMIC ABSORPTION, FLAMELESS	3
14	12.0	-3.4		ATOMIC ABSORPTION, FLAMELESS	3
18	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
19	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
21	12.0	-3.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
23	7.0	-43.6		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
25	60.0	383.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	21.0	69.1		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
28	14.0	12.7		EMISSION, IC PLASMA	3,5
32	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	9.0	-27.5		NOT REPORTED	
34	8.0	-35.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
39	13.0	4.7		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
40	3.0	-75.8		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
41	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	14.0	12.7		ATOMIC ABSORPTION, FLAMELESS	3
45	9.5	-23.5		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
46	55.0	342.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	7.5	-39.6		ATOMIC ABSORPTION, FLAMELESS	3
51	60.0	383.0	REJECT	EMISSION, IC PLASMA	3,5
57	13.4	7.9		ATOMIC ABSORPTION, FLAMELESS	3
58	14.0	12.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
60	14.0	12.7		ATOMIC ABSORPTION, FLAMELESS	3
61	135.0	986.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	15.0	20.8		ATOMIC ABSORPTION, FLAMELESS	3
64	3.6	-71.0		ATOMIC ABSORPTION, FLAMELESS	3
65	11.7	-5.8		ATOMIC ABSORPTION, FLAMELESS	3
69	24.0	93.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	3.0	-75.8		ATOMIC ABSORPTION, FLAMELESS	3
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	14.6	17.5		EMISSION, IC PLASMA	3,5
73	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	13.0	4.7		ATOMIC ABSORPTION, FLAMELESS	3
79	14.0	12.7		ATOMIC ABSORPTION, FLAMELESS	3
84	10.0	-19.5		ATOMIC ABSORPTION, FLAMELESS	3
86	15.5	24.8		ATOMIC ABSORPTION, FLAMELESS	3

Table 9 Standard Reference Water Sample T93 Report for P8

Code Number	Reported value	Pct. dev. from mean		Methods	References
91	<200.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	10.7	-13.9		ATOMIC ABSORPTION, FLAMELESS	3
95	14.0	12.7		ATOMIC ABSORPTION, FLAMELESS	3
96	11.0	-11.4		ATOMIC ABSORPTION, FLAMELESS	3
97	5.0	-59.7		NOT REPORTED	
99	15.0	20.8		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
102	11.0	-11.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
104	4.6	-63.0		ATOMIC ABSORPTION, FLAMELESS	3
105	7.9	-36.4		ATOMIC ABSORPTION, FLAMELESS	3
107	< 50.0		IGNORED	EMISSION, IC PLASMA	3,5
112	21.0	69.1		EMISSION, IC PLASMA	3,5
116	44.0	254.2	REJECT	EMISSION, IC PLASMA	3,5
118	11.4	-8.2		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

59 Labs had a total range of 3.0 to 135.0 and a mean of 12.42
with a standard deviation of 5.68 and a 95% confidence interval of the mean +/- 1.71.

Table 9 Standard Reference Water Sample T93 Report for S3

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1.0	-15.9		NOT REPORTED	
6	0.8	-32.7		ATOMIC ABSORPTION, FLAMELESS	3
12	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
26	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
28	2.2	85.0		OTHER	
30	0.7	-41.1		ATOMIC ABSORPTION, HYDRIDE	2,4
33	5.8	387.8	REJECT	NOT REPORTED	
39	1.0	-15.9		ATOMIC ABSORPTION, HYDRIDE	2,4
40	2.0	68.2		ATOMIC ABSORPTION, FLAMELESS	3
50	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
51	< 10.0		IGNORED	OTHER	
61	1.0	-15.9		ATOMIC ABSORPTION, HYDRIDE	2,4
62	1.0	-15.9		ATOMIC ABSORPTION, FLAMELESS	3
71	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
72	< 4.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
96	< 20.0		IGNORED	OTHER	
99	3.8	219.6	REJECT	ATOMIC ABSORPTION, HYDRIDE	2,4
102	1.0	-15.9		ATOMIC ABSORPTION, FLAMELESS	3
107	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
116	144.0	1E+04	REJECT	EMISSION, IC PLASMA	3

21 Labs had a total range of 0.7 to 144.0 and a mean of 1.19
with a standard deviation of 0.53 and a 95% confidence interval of the mean +/- 0.41.

Table 9 Standard Reference Water Sample T93 Report for SE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	7.0	30.4		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
2	< 2.0		IGNORED	NOT REPORTED	
4	4.0	-25.5		ATOMIC ABSORPTION, FLAMELESS	3
6	5.4	0.6		ATOMIC ABSORPTION, FLAMELESS	3
7	0.4	-92.5	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
8	5.0	-6.8		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
10	4.9	-8.7		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
12	6.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
14	6.0	11.8		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
18	5.3	-1.3		ATOMIC ABSORPTION, FLAMELESS	3
22	8.3	54.6	REJECT	ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
26	4.7	-12.4		ATOMIC ABSORPTION, FLAMELESS	3
29	5.5	2.5		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
30	5.3	-1.3		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
34	15.0	179.5	REJECT	OTHER	
39	5.0	-6.8		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
40	5.6	4.3		ATOMIC ABSORPTION, FLAMELESS	3
41	6.0	11.8		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
44	4.6	-14.3		ATOMIC ABSORPTION, FLAMELESS	3
45	5.4	0.6		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
46	3.2	-40.4		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
50	6.2	15.5		ATOMIC ABSORPTION, FLAMELESS	3
51	6.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
52	6.0	11.8		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
57	4.8	-10.6		ATOMIC ABSORPTION, FLAMELESS	3
58	5.8	8.1		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
61	5.7	6.2		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
62	4.2	-21.8		ATOMIC ABSORPTION, FLAMELESS	3
65	5.1	-5.0		ATOMIC ABSORPTION, FLAMELESS	3
67	5.4	0.6		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
70	6.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
72	< 6.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
73	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
77	6.0	11.8		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
78	5.4	0.6		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
84	6.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
86	5.6	4.3		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
94	38.0	608.0	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
96	4.6	-14.3		ATOMIC ABSORPTION, FLAMELESS	3
97	3.0	-44.1		NOT REPORTED	
99	5.7	6.2		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
102	6.0	11.8		ATOMIC ABSORPTION, FLAMELESS	3
105	5.7	6.2		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
107	2.0	-62.7	REJECT	ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
116	< 10.0		IGNORED	EMISSION, IC PLASMA	3
117	6.5	21.1		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4

47 Labs had a total range of 0.4 to 38.0 and a mean of 5.37
with a standard deviation of 0.83 and a 95% confidence interval of the mean +/- 0.23.

Table 9 Standard Reference Water Sample T93 Report for SR

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	70	9.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
2	50	-21.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
4	70	9.7		OTHER	
6	100	56.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
8	60	-5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
15	0	-100.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
19	62	-2.8		EMISSION, IC PLASMA	3,5
22	61	-4.4		EMISSION, IC PLASMA	3,5
28	63	-1.2		EMISSION, IC PLASMA	3,5
30	63	-1.2		EMISSION, IC PLASMA	3,5
33	65	1.9		NOT REPORTED	
39	65	1.9		EMISSION, IC PLASMA	3,5
41	60	-5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
44	64	0.3		OTHER	
45	62	-2.8		EMISSION, IC PLASMA	3,5
54	66	3.5		EMISSION, IC PLASMA	3,5
55	70	9.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
58	48	-24.7		EMISSION, IC PLASMA	3,5
59	63	-1.2		EMISSION, IC PLASMA	3,5
61	100	56.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
72	66	3.5		EMISSION, IC PLASMA	3,5
95	80	25.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
96	63	-1.2		EMISSION, IC PLASMA	3,5
99	66	3.5		EMISSION, IC PLASMA	3,5
102	3	-95.3	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
112	65	1.9		EMISSION, IC PLASMA	3,5
118	65	1.9		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

27 Labs had a total range of 0 to 100 and a mean of 63.8
with a standard deviation of 6.3 and a 95% confidence interval of the mean +/- 2.7.

Table 9 Standard Reference Water Sample T93 Report for TL

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	2.0	-37.3		ATOMIC ABSORPTION, FLAMELESS	3
6	5.3	82.0		ATOMIC ABSORPTION, FLAMELESS	3
8	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
12	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
28	7.2	125.9		OTHER	
30	< 1.0		IGNORED	OTHER	
33	150.0	4605.9	REJECT	NOT REPORTED	
39	2.0	-37.3		ATOMIC ABSORPTION, FLAMELESS	3
41	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
44	< 0.5		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
50	2.0	-37.3		ATOMIC ABSORPTION, FLAMELESS	3
51	< 10.0		IGNORED	OTHER	
57	1.2	-62.4		ATOMIC ABSORPTION, FLAMELESS	3
61	< 1.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
71	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
72	< 4.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
95	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
96	< 25.0		IGNORED	OTHER	
99	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
102	3.0	-5.9		ATOMIC ABSORPTION, FLAMELESS	3
107	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
118	2.3	-27.8		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

22 Labs had a total range of 1.2 to 150.0 and a mean of 3.19
with a standard deviation of 2.14 and a 95% confidence interval of the mean +/- 1.79.

Table 9 Standard Reference Water Sample T93 Report for ZN

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
4	25	-11.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	51	80.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	86	203.7	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
7	21	-25.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	23	-18.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	21	-25.8		ANODIC STRIPPING VOLTAMMETRY	
10	29	2.4		EMISSION, IC PLASMA	3,5
12	27	-4.7		EMISSION, IC PLASMA	3,5
14	22	-22.3		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2
18	25	-11.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	24	-15.2		EMISSION, IC PLASMA	3,5
21	27	-4.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	26	-8.2		EMISSION, IC PLASMA	3,5
23	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	30	5.9		EMISSION, IC PLASMA	3,5
25	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
26	34	20.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
28	27	-4.7		EMISSION, IC PLASMA	3,5
30	33	16.5		EMISSION, IC PLASMA	3,5
32	48	69.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	56	97.8		NOT REPORTED	
34	2	-92.9		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2
39	40	41.3		EMISSION, IC PLASMA	3,5
40	106	274.3	REJECT	EMISSION, IC PLASMA	3,5
41	26	-8.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	28	-1.1		ATOMIC ABSORPTION, FLAMELESS	3
45	35	23.6		EMISSION, IC PLASMA	3,5
46	11	-61.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
50	20	-29.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
51	< 10		IGNORED	EMISSION, IC PLASMA	3,5
54	29	2.4		EMISSION, IC PLASMA	3,5
55	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
56	24	-15.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
58	31	9.5		ANODIC STRIPPING VOLTAMMETRY	
59	29	2.4		EMISSION, IC PLASMA	3,5
60	31	9.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
61	26	-8.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	32	13.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	23	-18.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
67	40	41.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
69	33	16.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
70	28	-1.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

Table 9 Standard Reference Water Sample T93 Report for ZN

Code Number	Reported value	Pct. dev. from mean		Methods	References
72	28	-1.1		EMISSION, IC PLASMA	3,5
73	< 10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	60	111.9		ANODIC STRIPPING VOLTAMMETRY	
77	29	2.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
79	21	-25.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
84	10	-64.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	8	-71.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	40	41.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
92	20	-29.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	26	-8.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	20	-29.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
96	25	-11.7		EMISSION, IC PLASMA	3,5
97	28	-1.1		NOT REPORTED	
99	30	5.9		EMISSION, IC PLASMA	3,5
101	51	80.1		ATOMIC ABSORPTION, FLAMELESS	3
102	30	5.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
104	26	-8.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
105	26	-8.2		ATOMIC ABSORPTION, FLAMELESS	3
107	10	-64.7		EMISSION, IC PLASMA	3,5
112	28	-1.1		EMISSION, IC PLASMA	3,5
116	25	-11.7		EMISSION, IC PLASMA	3,5
117	26	-8.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

67 Labs had a total range of 2 to 106 and a mean of 28.3
with a standard deviation of 10.2 and a 95% confidence interval of the mean +/- 2.6.

Table 10. Statistics by method for standard reference sample T93

Determination	Method	Range: from	to	Mean	Standard Deviation	N
ACID@CACO3	TITRATION, COLORIMETRIC, MANUAL	10.000	1020.000	1010.000	3.162	
	TITRATION, ELECTROMETRIC, MANUAL	990.000	1140.000	1035.333	41.208	15
	OVER-ALL	10.000	1440.000	1025.625	29.205	16
AG	ATOMIC ABSORPTION, DIRECT, AIR	1.000	9.000	4.267	2.508	9
	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1.000	5.000	2.400	1.890	4
	ATOMIC ABSORPTION, FLAMELESS	0.300	4.300	2.642	1.038	19
	NOT REPORTED	2.700	250.000	2.850	0.387	
	OVER-ALL	0.300	250.000	3.226	1.979	35
AL	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	10.000	776.000	162.778	74.920	9
	ATOMIC ABSORPTION,DIRECT,FLAMELESS	50.000	200.000	150.167	43.933	12
	EMISSION, IC PLASMA	140.000	273.000	180.500	39.300	12
	OVER-ALL	10.000	776.000	167.351	43.659	37
AS	ATOMIC ABSORPTION, FLAMELESS	3.100	10.000	6.089	1.903	19
	ATOMIC ABSORPTION, HYDRIDE,(NABH4)	2.100	6.000	4.814	1.367	7
	ATOMIC ABSORPTION, HYDRIDE,(NABH4)	3.800	6.100	5.093	0.684	14
	OVER-ALL	1.800	57.000	5.441	1.627	42
BA	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	40.000	224.000	94.067	56.900	15
	ATOMIC ABSORPTION, FLAMELESS	8.000	102.000	68.571	31.633	7
	EMISSION, IC PLASMA	60.000	85.000	68.611	4.132	18
	OVER-ALL	8.000	224.000	70.571	12.486	42
BE	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	3.000	20.000	7.143	2.410	7
	ATOMIC ABSORPTION, FLAMELESS	6.500	15.000	9.140	3.798	5
	EMISSION, IC PLASMA	4.000	7.800	6.200	1.083	14
	OVER-ALL	3.000	64.000	6.689	1.716	26
CD	ATOMIC ABSORPTION, DIRECT, AIR	4.000	10.000	5.900	1.755	15
	ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	5.000	5.000	5.000	0.000	3
	ATOMIC ABSORPTION, FLAMELESS	1.000	8.400	4.600	0.570	25
	EMISSION, IC PLASMA	4.000	8.000	4.500	0.443	7
	OVER-ALL	1.000	10.000	4.787	0.610	52
CO	ATOMIC ABSORPTION, DIRECT, AIR	6.000	42.000	6.500	0.707	
	ATOMIC ABSORPTION, FLAMELESS	4.000	13.000	7.800	4.660	3
	EMISSION, IC PLASMA	3.900	7.000	5.071	1.163	7
	OVER-ALL	3.900	42.000	5.150	1.095	16
CR TOT	ATOMIC ABSORPTION, DIRECT, AIR	3.800	20.000	10.915	5.294	13
	ATOMIC ABSORPTION, FLAMELESS	3.000	14.300	10.583	1.748	23
	EMISSION, IC PLASMA	8.400	16.000	12.300	2.898	6
	NOT REPORTED	6.000	26.000	14.667	10.263	3
	OVER-ALL	2.400	26.000	10.734	4.015	47
CU	ATOMIC ABSORPTION, DIRECT, AIR	4.000	55.000	30.091	9.511	33
	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	29.000	34.000	31.000	2.646	3

Table 10. Statistics by method for standard reference sample T93

Determination	Method	Range: from	to	Mean	Standard Deviation	N
CU	ATOMIC ABSORPTION, FLAMELESS	10.000 -	50.000	29.800	9.636	10
	EMISSION, IC PLASMA	21.000 -	36.000	30.214	4.117	14
	OVER-ALL	4.000 -	55.000	29.754	8.288	65
FE	ATOMIC ABSORPTION, DIRECT, AIR	0.000 -	178.000	99.838	21.365	37
	ATOMIC ABSORPTION, FLAMELESS	10.000 -	140.000	33.800	47.246	5
	EMISSION, IC PLASMA	60.000 -	220.000	102.333	10.411	15
	OTHER	0.000 -	306.000	154.000	132.755	4
	OVER-ALL	0.000 -	1035.000	102.016	21.363	61
HG	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	0.000 -	4.000	0.375	0.450	4
	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	0.000 -	2.000	0.335	0.289	20
	EMISSION, IC PLASMA	0.200 -	75.000	37.600	6.116	
	OVER-ALL	0.000 -	75.000	0.336	0.304	25
LI	ATOMIC ABSORPTION, DIRECT, AIR	18.000 -	23.000	20.200	1.789	5
	EMISSION, FLAME	20.000 -	30.000	25.000	5.000	3
	EMISSION, IC PLASMA	20.000 -	26.000	22.500	2.429	6
	OVER-ALL	4.000 -	30.000	22.000	3.229	15
MN	ATOMIC ABSORPTION, DIRECT, AIR	46.000 -	120.000	99.147	4.157	34
	ATOMIC ABSORPTION, FLAMELESS	10.000 -	125.000	84.600	43.850	5
	EMISSION, IC PLASMA	80.000 -	110.000	98.444	4.938	18
	OVER-ALL	10.000 -	164.000	97.817	6.066	60
MO	ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE	15.000 -	17.000	15.000	0.000	2
	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	21.000 -	21.500	21.250	0.500	
	ATOMIC ABSORPTION, FLAMELESS	17.000 -	30.000	23.750	5.852	4
	EMISSION, IC PLASMA	11.000 -	47.000	18.500	4.037	6
	OVER-ALL	11.000 -	47.000	19.531	4.631	16
NI	ATOMIC ABSORPTION, DIRECT, AIR	10.000 -	40.000	19.207	9.269	15
	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	3.000 -	12.000	8.500	3.873	4
	ATOMIC ABSORPTION, FLAMELESS	6.600 -	17.000	11.822	3.369	9
	OTHER	6.000 -	20.000	11.680	5.302	5
	OVER-ALL	3.000 -	40.000	12.764	4.694	36
PB	ATOMIC ABSORPTION, DIRECT, AIR	6.200 -	135.000	21.200	18.670	11
	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	3.000 -	21.000	11.417	6.344	6
	ATOMIC ABSORPTION, FLAMELESS	3.000 -	26.100	11.082	4.127	22
	EMISSION, IC PLASMA	14.000 -	60.000	30.720	20.418	5
	OVER-ALL	3.000 -	135.000	12.422	5.683	45
SB	ATOMIC ABSORPTION, FLAMELESS	0.800 -	2.000	1.200	0.542	4
	ATOMIC ABSORPTION, HYDRIDE	0.700 -	3.800	1.000	0.000	2
	OTHER	2.200 -	2.200	2.200	0.000	1
	OVER-ALL	0.700 -	144.000	1.189	0.530	9
SE	ATOMIC ABSORPTION, FLAMELESS	0.400 -	38.000	5.281	0.725	16
	ATOMIC ABSORPTION, HYDRIDE	2.000 -	8.300	5.679	0.516	19

Table 10. Statistics by method for standard reference sample T93

Determination	Method	Range: from	to	Mean	Standard Deviation	N
SE	_OVER-ALL_	0.400 -	38.000	5.368	0.832	37
SR	ATOMIC ABSORPTION, DIRECT, AIR	0.000 -	100.000	59.300	34.551	10
	EMISSION, IC PLASMA	48.000 -	66.000	63.750	1.765	12
	OVER-ALL	0.000 -	100.000	63.783	6.339	23
TL	ATOMIC ABSORPTION, DIRECT, AIR	-		63.750	1.118	
	ATOMIC ABSORPTION, FLAMELESS	1.200 -	5.800	2.040	0.639	5
	OTHER	7.200 -	7.200	7.200	0.639	1
	OVER-ALL	1.200 -	150.000	3.188	2.136	8
ZN	ANODIC STRIPPING VOLTAMMETRY	21.000 -	60.000	37.333	20.257	3
	ATOMIC ABSORPTION, DIRECT, AIR	8.000 -	51.000	27.333	8.822	36
	ATOMIC ABSORPTION, FLAMELESS	26.000 -	86.000	47.750	27.909	4
	EMISSION, IC PLASMA	10.000 -	106.000	28.333	2.968	15
	OVER-ALL	2.000 -	106.000	28.318	10.190	63

Table 11 Standard Reference Water Sample N15 Report for NH3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.58	3.6		OTHER	
5	0.45	-19.6		ION SELECTIVE ELECTRODE	1,2,3,4
6	0.40	-28.5		OTHER	
8	0.88	57.3	REJECT	COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
9	0.42	-24.9		ION SELECTIVE ELECTRODE	1,2,3,4
10	0.59	5.4		ION SELECTIVE ELECTRODE	1,2,3,4
12	0.55	-1.7		COLORIMETRIC, PHENATE	1,2,3
13	0.41	-26.7		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
14	0.55	-1.7		COLORIMETRIC, PHENATE	1,2,3
15	0.46	-17.8		COLORIMETRIC, PHENATE	1,2,3
16	0.53	-5.3		ION SELECTIVE ELECTRODE	1,2,3,4
18	0.46	-17.8		COLORIMETRIC, PHENATE	1,2,3
20	0.58	3.6		COLORIMETRIC, PHENATE	1,2,3
21	0.62	10.8		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
25	0.60	7.2		OTHER	
26	0.46	-17.8		COLORIMETRIC, PHENATE	1,2,3
27	0.55	-1.7		COLORIMETRIC, PHENATE	1,2,3
28	0.68	21.5		COLORIMETRIC, PHENATE	1,2,3
29	0.53	-5.3		ION SELECTIVE ELECTRODE	1,2,3,4
30	0.66	17.9		ION SELECTIVE ELECTRODE	1,2,3,4
31	0.80	43.0		ION SELECTIVE ELECTRODE	1,2,3,4
40	< 0.10		IGNORED	ION SELECTIVE ELECTRODE	1,2,3,4
41	0.56	0.1		COLORIMETRIC, PHENATE	1,2,3
42	0.49	-12.4		ION SELECTIVE ELECTRODE	1,2,3,4
44	0.15	-73.2	REJECT	OTHER	
46	1.00	78.7	REJECT	ION SELECTIVE ELECTRODE	1,2,3,4
50	0.60	7.2		ION SELECTIVE ELECTRODE	1,2,3,4
51	0.70	25.1		COLORIMETRIC, PHENATE	1,2,3
55	0.52	-7.1		OTHER	
56	0.75	34.0		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
57	0.52	-7.1		COLORIMETRIC, PHENATE	1,2,3
58	0.53	-5.3		ION SELECTIVE ELECTRODE	1,2,3,4
61	0.48	-14.2		ION SELECTIVE ELECTRODE	1,2,3,4
62	0.57	1.9		COLORIMETRIC, PHENAT	1,2,3
64	0.55	-1.7		COLORIMETRIC, PHENAT	1,2,3
65	0.65	16.2		COLORIMETRIC, INDOPHENOL	4
67	0.54	-3.5		COLORIMETRIC, INDOPHENOL	4
69	0.68	21.5		ION SELECTIVE ELECTRODE	1,2,3,4
71	1.12	100.1	REJECT	OTHER	
72	0.53	-5.3		COLORIMETRIC, PHENATE	1,2,3
73	0.50	-10.7		COLORIMETRIC, PHENATE	1,2,3
74	0.44	-21.4		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
75	0.57	1.9		COLORIMETRIC, PHENATE	1,2,3
77	0.55	-1.7		COLORIMETRIC, INDOPHENOL	4
79	0.60	7.2		COLORIMETRIC, PHENATE	1,2,3

Table 11 Standard Reference Water Sample N15 Report for NH3-N

Code Number	Reported value	Pct. dev. from mean	Methods	References
86	0.57	1.9	COLORIMETRIC, PHENATE	1,2,3
87	0.46	-17.8	COLORIMETRIC, PHENAT	1,2,3
89	0.70	25.1	ION SELECTIVE ELECTRODE	1,2,3,4
91	0.61	9.0	COLORIMETRIC, PHENATE	1,2,3
94	0.58	3.6	COLORIMETRIC, PHENATE	1,2,3
95	0.68	21.5	COLORIMETRIC, PHENATE	1,2,3
97	0.52	-7.1	NOT REPORTED	
98	0.39	-30.3	COLORIMETRIC, PHENATE	1,2,3
102	0.55	-1.7	COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
104	0.69	23.3	ION SELECTIVE ELECTRODE	1,2,3,4
105	0.55	-1.7	ION SELECTIVE ELECTRODE	1,2,3,4
107	0.53	-5.3	COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
109	0.52	-7.1	COLORIMETRIC, PHENATE	1,2,3
111	0.55	-1.7	COLORIMETRIC, PHENATE	1,2,3
114	0.67	19.7	COLORIMETRIC, PHENATE	1,2,3

60 Labs had a total range of 0.15 to 1.12 and a mean of 0.560
with a standard deviation of 0.089 and a 95% confidence interval of the mean +/- 0.024.

Table 11 Standard Reference Water Sample N15 Report for N02-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
4	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
5	0.06	40.5		COLORIMETRIC, DIAZOTIZATION	1,3,4
7	0.03	-29.7		COLORIMETRIC, DIAZOTIZATION	1,3,4
10	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
12	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
13	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
14	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
15	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
18	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
21	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
23	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
25	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
26	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
27	0.00	-100.0	REJECT	COLORIMETRIC, DIAZOTIZATION	1,3,4
29	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
41	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
42	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
44	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
46	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
50	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
51	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
55	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
57	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
58	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
60	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
62	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
65	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
67	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
69	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
71	0.03	-29.7		COLORIMETRIC, DIAZOTIZATION	1,3,4
72	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
73	0.16	274.7	REJECT	COLORIMETRIC, DIAZOTIZATION	1,3,4
74	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
75	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
76	0.03	-29.7		COLORIMETRIC, DIAZOTIZATION	1,3,4
77	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
86	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
87	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
89	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
91	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
92	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
95	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
97	0.04	-6.3		NOT REPORTED	
99	< 0.05		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4

Table 11 Standard Reference Water Sample N15 Report for NO2-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
102	0.05	17.1		COLORIMETRIC, DIAZOTIZATION	1,3,4
104	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
105	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4
107	0.01	-76.6	REJECT	COLORIMETRIC, DIAZOTIZATION	1,3,4
109	< 0.01		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
111	< 0.02		IGNORED	COLORIMETRIC, DIAZOTIZATION	1,3,4
114	0.04	-6.3		COLORIMETRIC, DIAZOTIZATION	1,3,4

52 Labs had a total range of 0.00 to 0.16 and a mean of 0.043
with a standard deviation of 0.006 and a 95% confidence interval of the mean +/- 0.002.

Table 11 Standard Reference Water Sample N15 Report for NO3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.98	2.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
4	0.89	-6.6		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
5	0.75	-21.3		ION SELECTIVE ELECTRODE	1,2,3,4
6	0.99	3.9		ION CHROMATOGRAPHY	2,3,6,7
7	1.20	25.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
10	0.93	-2.4		COLORIMETRIC, BRUCINE	1,2,3,4
12	0.93	-2.4		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
13	0.07	-92.7	REJECT	COLORIMETRIC, BRUCINE	1,2,3,4
16	0.12	-87.4	REJECT	COLORIMETRIC, BRUCINE	1,2,3,4
18	0.98	2.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
20	1.00	4.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
21	0.24	-74.8	REJECT	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
23	0.94	-1.4		COLORIMETRIC, BRUCINE	1,2,3,4
24	1.00	4.9		OTHER	
25	1.01	6.0		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
26	1.00	4.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
27	0.96	0.7		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
29	1.03	8.1		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
30	0.90	-5.6		ION CHROMATOGRAPHY	2,3,6,7
41	0.91	-4.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
42	0.96	0.7		COLORIMETRIC, BRUCINE	1,2,3,4
46	1.05	10.2		COLORIMETRIC, BRUCINE	1,2,3,4
50	0.96	0.7		COLORIMETRIC, BRUCINE	1,2,3,4
51	1.02	7.0		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
55	0.95	-0.3		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
56	0.84	-11.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
57	0.90	-5.6		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
58	0.92	-3.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
61	0.34	-64.3	REJECT	COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
62	0.82	-13.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
64	0.91	-4.5		ION CHROMATOGRAPHY	2,3,6,7
65	0.82	-13.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
67	0.93	-2.4		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
69	0.81	-15.0		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
71	1.00	4.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
72	1.04	9.1		ION CHROMATOGRAPHY	2,3,6,7
73	0.97	1.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
74	0.87	-8.7		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
75	1.05	10.2		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
76	1.01	5.0		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
77	0.92	-3.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
79	0.98	2.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
86	0.89	-6.6		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
87	1.31	37.5	REJECT	COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
89	0.70	-26.5		COLORIMETRIC, BRUCINE	1,2,3,4

Table 11 Standard Reference Water Sample N15 Report for NO3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
91	0.92	-3.5		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
92	0.94	-1.4		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
95	1.00	4.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
97	0.97	1.8		NOT REPORTED	
99	1.00	4.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
102	0.99	3.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
104	0.99	3.9		COLORIMETRIC, BRUCINE	1,2,3,4
105	0.97	1.8		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
107	1.03	8.1		COLORIMETRIC, BRUCINE	1,2,3,4
109	0.61	-36.0	REJECT	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
111	1.05	10.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
114	1.02	7.0		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4

57 Labs had a total range of 0.07 to 1.31 and a mean of 0.953
with a standard deviation of 0.083 and a 95% confidence interval of the mean +/- 0.024.

Table 11 Standard Reference Water Sample N15 Report for ORG-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.53	-28.2		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
5	0.45	-39.0		DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE	1,2,3
10	0.51	-30.9		DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE	1,2,3
12	0.91	23.3		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
13	0.33	-55.3		COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	2,3,4
14	0.78	5.7		COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
15	0.77	4.4		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
21	0.94	27.4		COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	2,3,4
25	0.38	-48.5		OTHER	
26	0.76	3.0		COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
27	0.45	-39.0		OTHER	
28	< 0.06		IGNORED	COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
40	< 0.10		IGNORED	DIGESTION, DISTILLATION, TITRATION	2,3,4
41	0.60	-18.7		COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	2,3,4
42	1.10	49.1		DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE	1,2,3
44	1.09	47.7		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
46	0.10	-86.4		DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE	1,2,3
50	0.80	8.4		DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE	1,2,3
51	0.40	-45.8		COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
55	0.63	-14.6		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
56	0.70	-5.1		NOT REPORTED	
57	0.63	-14.6		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
58	0.80	8.4		DIGESTION, DISTILLATION, TITRATION	2,3,4
62	0.59	-20.0		OTHER	
65	1.15	55.8		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
69	0.52	-29.5		COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
71	1.35	83.0		DIGESTION, DISTILLATION, TITRATION	2,3,4
72	0.87	17.9		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
73	2.30	211.7	REJECT	COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
77	0.51	-30.9		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
79	1.00	35.5		COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
86	1.23	66.7		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
94	1.39	88.4		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
95	0.47	-36.3		COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	2,3,4
97	1.01	36.9		NOT REPORTED	
98	0.69	-6.5		COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	3,4
102	0.82	11.1		DIGESTION, DISTILLATION, TITRATION	2,3,4
105	1.13	53.1		COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	2,3,4
107	0.02	-97.3		COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	2,3,4
109	1.07	45.0		COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	3,7
111	0.56	-24.1			

41 Labs had a total range of 0.02 to 2.30 and a mean of 0.738
with a standard deviation of 0.322 and a 95% confidence interval of the mean +/- 0.106.

Table 11 Standard Reference Water Sample N15 Report for P, TOTAL

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.82	4.8		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
2	0.21	-73.1	REJECT	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
4	0.75	-4.1		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
6	1.45	85.4	REJECT	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
8	0.63	-19.4		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
10	0.80	2.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
12	0.75	-4.1		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
13	0.78	-0.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
15	0.82	4.8		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
16	0.79	1.0		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
21	0.77	-1.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
25	0.88	12.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
26	0.80	2.3		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
27	0.77	-1.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
28	0.73	-6.7		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
30	0.86	10.0		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
31	0.77	-1.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
41	0.80	2.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
42	0.78	-0.3		OTHER	
44	0.81	3.6		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
46	0.78	-0.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
50	0.83	6.1		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
51	0.81	3.6		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
55	0.72	-7.9		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
56	0.78	-0.3		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
57	0.81	3.6		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
58	0.63	-19.4		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
60	0.79	1.0		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
61	0.79	1.0		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
62	0.83	6.1		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
64	0.74	-5.4		EMISSION, IC PLASMA	3,5
65	0.78	-0.3		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
69	0.70	-10.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
71	0.70	-10.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
72	0.80	2.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
73	0.73	-6.7		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
74	0.70	-10.5		OTHER	
75	0.82	4.8		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
77	0.84	7.4		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
79	0.83	6.1		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
86	0.87	11.2		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
87	0.67	-14.3		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
89	0.77	-1.5		COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
92	0.10	-87.2	REJECT	COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
94	0.73	-0.3		COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4

Table 11 Standard Reference Water Sample N15 Report for P, TOTAL

Code Number	Reported value	Pct. dev. from mean	Methods	References
95	0.81	3.6	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
97	0.75	-4.1	NOT REPORTED	
98	0.74	-5.4	COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
99	0.82	4.8	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
102	0.84	7.4	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
104	0.92	17.6	OTHER	
105	0.59	-24.6	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4
107	0.85	8.7	EMISSION, IC PLASMA	3,5
109	0.93	18.9	COLORIMETRIC,BLK DIG,H2SO4, K&HG2SO4, PHOSPHOMOLYBDATE	4
111	0.81	3.6	COLORIMETRIC, H2SO4/PERSULF DIG. ASCORBIC ACID PHOSPHOMOLYBD	1,2,3,4

55 Labs had a total range of 0.10 to 1.45 and a mean of 0.782
with a standard deviation of 0.067 and a 95% confidence interval of the mean +/- 0.019.

Table 11 Standard Reference Water Sample N15 Report for P04-P

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
4	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
6	0.45	135.7	REJECT	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
7	0.35	83.3	REJECT	OTHER	
10	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
12	0.22	15.2		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
13	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
14	0.16	-16.2		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
15	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
21	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
25	0.20	4.8		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
26	0.22	15.2		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
27	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
30	0.20	4.8		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
31	0.21	10.0		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
41	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
42	0.20	4.8		OTHER	
44	0.17	-10.9		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
46	0.24	25.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
50	0.24	25.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
51	0.17	-10.9		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
55	0.14	-26.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
56	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
57	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
58	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
60	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
61	0.21	10.0		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
62	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
67	0.42	120.0	REJECT	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
69	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
71	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
72	0.17	-10.9		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
73	0.22	15.2		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
75	0.20	4.8		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
76	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
77	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
79	0.20	4.8		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
86	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
87	0.33	72.9	REJECT	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
89	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
92	0.02	-89.5	REJECT	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
94	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
95	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
97	0.16	-16.2		NOT REPORTED	
98	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4

Table 11 Standard Reference Water Sample N15 Report for PO4-P

Code Number	Reported value	Pct. dev. from mean		Methods	References
102	0.26	36.2	REJECT	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
104	0.28	46.7	REJECT	OTHER	
105	0.19	-0.5		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
109	0.02	-89.5	REJECT	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
111	0.18	-5.7		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4
114	0.20	4.8		COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	1,2,3,4

51 Labs had a total range of 0.02 to 0.45 and a mean of 0.191
with a standard deviation of 0.019 and a 95% confidence interval of the mean +/- 0.006.

Table 12. Statistics by method for standard reference sample N15

Determination	Method	Range: from	to	Mean	Standard Deviation	N
NH3-N	COLORIMETRIC, DISTILLATION, NESSLERIZATION	0.410 -	0.880	0.597	0.168	7
	COLORIMETRIC, INDOPHENOL	0.540 -	0.650	0.545	0.071	
	COLORIMETRIC, PHENAT	0.460 -	0.570	0.527	0.059	3
	COLORIMETRIC, PHENATE	0.390 -	0.700	0.558	0.078	23
	ION SELECTIVE ELECTRODE	0.420 -	1.000	0.580	0.107	15
	OTHER	0.150 -	1.120	0.562	0.320	6
	OVER-ALL	0.150 -	1.120	0.560	0.089	55
NO2-N	COLORIMETRIC, DIAZOTIZATION	0.000 -	0.160	0.043	0.006	44
	OVER-ALL	0.000 -	0.160	0.043	0.006	45
NO3-N	COLORIMETRIC, BRUCINE	0.070 -	1.050	0.775	0.371	10
	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	0.240 -	1.200	0.949	0.065	33
	COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	0.340 -	1.310	0.900	0.410	4
	ION CHROMATOGRAPHY	0.900 -	1.040	0.960	0.067	4
	OVER-ALL	0.070 -	1.310	0.953	0.083	51
ORG-N	COLORIMETRIC, BLOCK DIGESTION, SALICYLATE HYPOCHLORITE	0.510 -	1.390	0.867	0.291	12
	COLORIMETRIC, DIGESTION, DISTILLATION, NESSLERIZATION	0.020 -	1.130	0.582	0.405	6
	COLORIMETRIC, DIGESTION, DISTILLATION, PHENATE	0.400 -	2.300	0.755	0.261	6
	DIGESTION, DISTILLATION, ION SELECTIVE ELECTRODE	0.100 -	1.100	0.592	0.378	5
	DIGESTION, DISTILLATION, TITRATION	0.300 -	1.350	0.810	0.100	
	OTHER	0.380 -	0.590	0.473	0.107	3
	OVER-ALL	0.020 -	2.300	0.738	0.322	38
P, TOTAL	COLORIMETRIC, H2SO4/PERSULF DIG, ASCORBIC ACID PHOSPHOMOLYBD	0.210 -	1.450	0.778	0.069	36
	COLORIMETRIC,BLK DIG,H2SO4, K2HG2SO4, PHOSPHOMOLYBDATE	0.100 -	0.930	0.778	0.026	9
	OTHER	0.700 -	0.920	0.800	0.111	3
	OVER-ALL	0.100 -	1.450	0.782	0.067	52
PO4-P	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	0.020 -	0.420	0.188	0.019	22
	COLORIMETRIC, ASCORBIC ACID PHOSPHOMOLYBDATE	0.020 -	0.450	0.199	0.023	20
	OTHER	0.200 -	0.350	0.277	0.075	3
	OVER-ALL	0.020 -	0.450	0.191	0.019	43

Table 13 Standard Reference Water Sample P9 Report for ACIDQCACO3

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	2400	-1.1	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
12	2440	0.5	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
14	2400	-1.1	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
16	2490	2.6	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
32	2440	0.5	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
71	2400	-1.1	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
77	2430	0.1	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
94	2450	1.0	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
95	2525	4.0	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
99	2382	-1.9	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
107	2338	-3.7	TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4

11 Labs had a total range of 2338 to 2525 and a mean of
with a standard deviation of 51.6 and a 95% confidence interval of the mean +/- 34.6.

Table 13 Standard Reference Water Sample P9 Report for AG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 1.00		IGNORED	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
5	8.00	2380.6	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
6	0.19	-41.1		ATOMIC ABSORPTION, FLAMELESS	3
8	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
10	0.60	86.0		ATOMIC ABSORPTION, FLAMELESS	3
12	0.22	-31.8		ATOMIC ABSORPTION, FLAMELESS	3
14	0.10	-69.0		ATOMIC ABSORPTION, FLAMELESS	3
18	< 2.50		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
23	0.05	-84.5		ATOMIC ABSORPTION, FLAMELESS	3
30	1.00	210.1		OTHER	
32	30.00	9202.3	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
33	0.63	95.3		NOT REPORTED	
41	< 5.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
44	0.16	-50.4		ATOMIC ABSORPTION, FLAMELESS	3
48	< 0.50		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
64	0.40	24.0		ATOMIC ABSORPTION, FLAMELESS	3
71	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
72	0.32	-0.8		ATOMIC ABSORPTION, FLAMELESS	3
77	0.00	-100.0		ATOMIC ABSORPTION, FLAMELESS	3
91	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
94	0.20	-38.0		ATOMIC ABSORPTION, FLAMELESS	3
95	< 1.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
99	< 1.00		IGNORED	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
107	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
112	< 6.00		IGNORED	OTHER	
115	< 0.03		IGNORED	OTHER	

26 Labs had a total range of 0.00 to 30.00 and a mean of 0.323
with a standard deviation of 0.291 and a 95% confidence interval of the mean +/- 0.185.

Table 13 Standard Reference Water Sample P9 Report for CA

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.17	-32.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	0.30	18.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	0.33	30.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	0.20	-20.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	0.30	18.9		EMISSION, IC PLASMA	3,5,7
11	0.23	-8.9		EMISSION, IC PLASMA	3,5,7
12	0.21	-16.8		EMISSION, IC PLASMA	3,5,7
13	3.00	1088.6	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
14	1.40	454.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	2.17	759.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	0.60	137.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	0.24	-4.9		EMISSION, IC PLASMA	3,5,7
23	0.50	98.1	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	0.26	3.0		EMISSION, IC PLASMA	3,5,7
32	0.30	18.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	0.35	38.7		NOT REPORTED	
37	0.23	-8.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
41	0.27	7.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	0.30	18.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
48	0.20	-20.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
54	0.29	14.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	0.28	10.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	< 1.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	0.25	-1.0		OTHER	
72	0.29	14.9		EMISSION, IC PLASMA	3,5,7
75	0.16	-36.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	0.22	-12.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
82	0.25	-1.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	0.66	161.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	0.23	-8.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	0.31	22.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	0.24	-4.9		EMISSION, IC PLASMA	3,5,7
101	0.18	-28.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	0.22	-12.8		EMISSION, IC PLASMA	3,5,7
112	0.24	-4.9		EMISSION, IC PLASMA	3,5,7
115	0.27	7.0		EMISSION, IC PLASMA	3,5,7

36 Labs had a total range of 0.16 to 3.00 and a mean of 0.252
with a standard deviation of 0.048 and a 95% confidence interval of the mean +/- 0.018.

Table 13 Standard Reference Water Sample P9 Report for CD

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1.00	-24.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	3.00	125.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	1.20	-9.8		ATOMIC ABSORPTION, FLAMELESS	3
8	< 5.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	1.80	35.3		ANODIC STRIPPING VOLTAMMETRY, DIFFERENTIAL PULSE	2
10	1.10	-17.3		ATOMIC ABSORPTION, FLAMELESS	3
12	1.08	-18.8		ATOMIC ABSORPTION, FLAMELESS	3
14	0.80	-39.9		ATOMIC ABSORPTION, FLAMELESS	3
15	1.10	-17.3		ATOMIC ABSORPTION, FLAMELESS	3
16	< 5.00		IGNORED	OTHER	
18	1.00	-24.9		ATOMIC ABSORPTION, FLAMELESS	3
19	1.30	-2.3		EMISSION, IC PLASMA	3,5
23	1.00	-24.9		ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	1,4
30	1.00	-24.9		EMISSION, IC PLASMA	3,5
32	< 3.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	1.00	-24.9		NOT REPORTED	
41	< 5.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	1.10	-17.3		ATOMIC ABSORPTION, FLAMELESS	3
57	1.10	-17.3		ATOMIC ABSORPTION, FLAMELESS	3
64	1.10	-17.3		ATOMIC ABSORPTION, FLAMELESS	3
65	1.03	-22.6		ATOMIC ABSORPTION, FLAMELESS	3
71	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	1.50	12.7		EMISSION, IC PLASMA	3,5
77	1.00	-24.9		ATOMIC ABSORPTION, FLAMELESS	3
86	1.00	-24.9		ATOMIC ABSORPTION, FLAMELESS	3
91	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	0.92	-30.9		ATOMIC ABSORPTION, FLAMELESS	3
95	2.60	95.4		ATOMIC ABSORPTION, FLAMELESS	3
99	2.60	95.4		ATOMIC ABSORPTION, EXTRACTION,(APDC/MIBK)	1,4
107	<10.00		IGNORED	EMISSION, IC PLASMA	3,5
112	0.40	-69.9		EMISSION, IC PLASMA	3,5
115	3.00	125.4		EMISSION, IC PLASMA	3,5
118	0.87	-34.6		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

33 Labs had a total range of 0.40 to 3.00 and a mean of 1.331
with a standard deviation of 0.686 and a 95% confidence interval of the mean +/- 0.277.

Table 13 Standard Reference Water Sample P9 Report for CL

Code Number	Reported value	Pct. dev. from mean		Methods	References
5	0.02	-99.5		ION SELECTIVE ELECTRODE	1,2,3,4
6	0.49	-88.3		ION CHROMATOGRAPHY	2,3,6
8	< 5.00		IGNORED	TITRATION, SILVER NITRATE	1,2,4
9	< 1.00		IGNORED	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
10	0.00	-100.0		TITRATION, SILVER NITRATE	1,2,4
11	14.88	255.2		ION CHROMATOGRAPHY	2,3,6
12	0.40	-90.5		ION CHROMATOGRAPHY	2,3,6
14	0.30	-92.8		ION SELECTIVE ELECTRODE	1,2,3,4
16	2.62	-37.5		ION SELECTIVE ELECTRODE	1,2,3,4
18		3839.1	REJECT	TITRATION, SILVER NITRATE	1,2,4
32	2.30	-45.1		TITRATION, MERCURIC NITRATE	1,2,3,4
41	< 1.00		IGNORED	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
44	< 0.50		IGNORED	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
57	13.00	210.4		TITRATION, MERCURIC NITRATE	1,2,3,4
64	2.00	-52.3		TITRATION, MERCURIC NITRATE	1,2,3,4
65	< 2.00		IGNORED	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
71	< 2.00		IGNORED	TITRATION, SILVER NITRATE	1,2,4
72	2.00	-52.3		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
77	6.71	60.2		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
86	0.00	-100.0		ION CHROMATOGRAPHY	2,3,6
91	1.80	-57.0		COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
94	16.80	301.1		ION SELECTIVE ELECTRODE	1,2,3,4
95	31.00	640.1	REJECT	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
107	3.70	-11.7		TITRATION, SILVER NITRATE	1,2,4
111	<10.00		IGNORED	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4

25 Labs had a total range of 0.00 to and a mean of 4.189
with a standard deviation of 5.625 and a 95% confidence interval of the mean +/- 2.996.

Table 13 Standard Reference Water Sample P9 Report for CO

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 1.00		IGNORED	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
6	0.29	-29.7		ATOMIC ABSORPTION, FLAMELESS	3
8	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	< 3.00		IGNORED	EMISSION, IC PLASMA	3,5
23	0.00	-100.0		ATOMIC ABSORPTION, EXTRACTION (PDCA/CHCL3)	2,3
33	0.46	11.5		NOT REPORTED	
41	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	0.90	118.2		EMISSION, IC PLASMA	3,5
77	8.33	1919.4	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
95	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	< 3.00		IGNORED	EMISSION, IC PLASMA	3,5
107	<10.00		IGNORED	EMISSION, IC PLASMA	3,5
112	3.00	627.3	REJECT	EMISSION, IC PLASMA	3,5
115	35.00	8384.8	REJECT	EMISSION, IC PLASMA	3,5

15 Labs had a total range of 0.00 to 35.00 and a mean of 0.413
with a standard deviation of 0.376 and a 95% confidence interval of the mean +/- 0.599.

Table 13 Standard Reference Water Sample P9 Report for CR TOT

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	3.0	65.6		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,3,4
5	2.0	23.7		ATOMIC ABSORPTION, FLAMELESS	3
6	3.7	128.9		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	< 2.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	0.0	-100.0		ATOMIC ABSORPTION, FLAMELESS	3
12	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
14	0.4	-75.3		ATOMIC ABSORPTION, FLAMELESS	3
15	170.4	1E+04	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
18	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
30	< 1.0		IGNORED	EMISSION, IC PLASMA	3
32	< 8.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	0.3	-81.4		NOT REPORTED	
41	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	0.4	-75.3		ATOMIC ABSORPTION, FLAMELESS	3
48	< 3.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
57	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
64	< 0.7		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
65	< 30.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	0.3	-81.4		EMISSION, IC PLASMA	3
77	2.2	36.1		ATOMIC ABSORPTION, FLAMELESS	3
86	2.0	23.7		ATOMIC ABSORPTION, FLAMELESS	3
91	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	0.1	-93.8		ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	< 3.0		IGNORED	EMISSION, IC PLASMA	3
107	< 20.0		IGNORED	EMISSION, IC PLASMA	3
115	5.0	209.3		EMISSION, IC PLASMA	3

29 Labs had a total range of 0.0 to 170.4 and a mean of 1.62
with a standard deviation of 1.64 and a 95% confidence interval of the mean +/- 1.04.

Table 13 Standard Reference Water Sample P9 Report for CU

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	5.00	26.2		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
6	4.00	1.0		ATOMIC ABSORPTION, FLAMELESS	3
8	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	4.60	16.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	2.00	-49.5		EMISSION, IC PLASMA	3,5
12	< 5.00		IGNORED	EMISSION, IC PLASMA	3,5
14	4.00	1.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	<10.00		IGNORED	EMISSION, IC PLASMA	3,5
30	5.00	26.2		EMISSION, IC PLASMA	3,5
32	28.00	607.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	6.30	59.1		NOT REPORTED	
41	< 5.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	3.80	-4.1		ATOMIC ABSORPTION, FLAMELESS	3
48	3.00	-24.3		NOT REPORTED	
57	4.80	21.2		ATOMIC ABSORPTION, FLAMELESS	3
64	8.00	102.0	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
65	3.70	-6.6		ATOMIC ABSORPTION, FLAMELESS	3
71	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	3.90	-1.5		EMISSION, IC PLASMA	3,5
77	2.00	-49.5		ATOMIC ABSORPTION, FLAMELESS	3
86	4.60	16.1		ATOMIC ABSORPTION, FLAMELESS	3
91	25.00	531.2	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	3.50	-11.6		ATOMIC ABSORPTION, FLAMELESS	3
95	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	4.80	21.2		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
107	<10.00		IGNORED	EMISSION, IC PLASMA	3,5
112	2.50	-36.9		EMISSION, IC PLASMA	3,5
115	20.00	405.0	REJECT	EMISSION, IC PLASMA	3,5
118	3.79	-4.3		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

30 Labs had a total range of 2.00 to 28.00 and a mean of 3.96
with a standard deviation of 1.11 and a 95% confidence interval of the mean +/- 0.552.

Table 13 Standard Reference Water Sample P9 Report for F

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 1.00		IGNORED	ION SELECTIVE ELECTRODE	1,2,3,4
5	0.06	41.2		OTHER	
6	0.48	1029.4	REJECT	ION CHROMATOGRAPHY	2,3,6
8	0.25	488.2	REJECT	OTHER	
10	0.02	-52.9		OTHER	
12	< 0.02		IGNORED	ION CHROMATOGRAPHY	2,3,6
13	0.02	-52.9		OTHER	
14	0.04	-5.9		OTHER	
15	0.10	135.3		COLORIMETRIC, SPADNS	1,2,3
16	0.06	41.2		OTHER	
18	< 0.10		IGNORED	OTHER	
23	0.00	-100.0		COLORIMETRIC, ZIRCONYL ALIZARIN	1
44	< 0.10		IGNORED	ION SELECTIVE ELECTRODE	1,2,3,4
64	0.03	-29.4		ION SELECTIVE ELECTRODE	1,2,3,4
71	< 0.10		IGNORED	OTHER	
72	< 0.10		IGNORED	ION SELECTIVE ELECTRODE	1,2,3,4
77	0.01	-76.5		ION SELECTIVE ELECTRODE	1,2,3,4
86	0.00	-100.0		ION CHROMATOGRAPHY	2,3,6
91	< 0.50		IGNORED	OTHER	
94	< 0.10		IGNORED	ION SELECTIVE ELECTRODE	1,2,3,4
95	< 0.10		IGNORED	COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE"	3
107	0.11	156.8		ION SELECTIVE ELECTRODE	1,2,3,4
115	0.06	41.2		COLORIMETRIC, SPADNS	1,2,3

23 Labs had a total range of 0.00 to 0.48 and a mean of 0.043
with a standard deviation of 0.037 and a 95% confidence interval of the mean +/- 0.023.

Table 13 Standard Reference Water Sample P9 Report for FE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	27.0	-31.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	9.4	-76.2		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	24.5	-37.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	4.0	-89.9		EMISSION, IC PLASMA	3,5
12	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
13	180.0	356.3		OTHER	
14	10.0	-74.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	0.2	-99.5		OTHER	
18	< 30.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	< 3.0		IGNORED	EMISSION, IC PLASMA	3,5
23	5.0	-87.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	13.0	-67.0		EMISSION, IC PLASMA	3,5
32	86.0	113.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	196.0	396.9		NOT REPORTED	
41	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	< 20.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
57	20.0	-49.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	23.3	-40.9		EMISSION, IC PLASMA	3,5
77	8.3	-79.0		ATOMIC ABSORPTION, FLAMELESS	3
91	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
112	4.4	-88.8		EMISSION, IC PLASMA	3,5
115	20.0	-49.3		EMISSION, IC PLASMA	3,5

29 Labs had a total range of 0.2 to 196.0 and a mean of 39.44
with a standard deviation of 61.36 and a 95% confidence interval of the mean +/- 32.69.

Table 13 Standard Reference Water Sample #2 Report for K

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	0.11	83.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	0.06	0.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	0.06	0.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	0.00	-100.0		OTHER	
11	0.05	-16.7		EMISSION, FLAME	1,2
12	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
13	0.20	233.3	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
16	0.42	600.0	REJECT	OTHER	
18	0.10	66.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
23	0.10	66.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	0.05	-16.7		OTHER	
32	0.10	66.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	0.04	-33.3		NOT REPORTED	
37	0.07	16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
41	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	< 0.50		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
48	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
54	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	0.02	-66.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	< 0.50		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	0.06	0.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	0.06	0.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	0.03	-50.0		EMISSION, FLAME	1,2
82	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	< 0.05		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	0.05	-16.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	0.11	83.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	0.72	1100.0	REJECT	OTHER	
101	0.04	-33.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	0.09	50.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
115	1.00	1566.7	REJECT	OTHER	

35 Labs had a total range of 0.00 to 1.00 and a mean of 0.060
with a standard deviation of 0.028 and a 95% confidence interval of the mean +/- 0.012.

Table 13 Standard Reference Water Sample P9 Report for MG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.04	27.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	0.04	27.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	0.00	-100.0	REJECT	EMISSION, IC PLASMA	3,5
11	0.03	-4.2		EMISSION, IC PLASMA	3,5
12	0.03	-4.2		EMISSION, IC PLASMA	3,5
14	< 0.20		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	< 0.26		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	0.07	123.6	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	0.03	-4.2		EMISSION, IC PLASMA	3,5
23	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	0.03	-4.2		EMISSION, IC PLASMA	3,5
32	0.30	858.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	0.06	91.7	REJECT	NOT REPORTED	
37	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
41	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
48	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
54	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	< 0.50		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	0.04	27.8		OTHER	
72	0.03	-4.2		EMISSION, IC PLASMA	3,5
75	0.02	-36.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
82	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	< 0.05		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	0.04	27.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	0.03	-4.2		EMISSION, IC PLASMA	3,5
101	0.03	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	< 0.01		IGNORED	EMISSION, IC PLASMA	3,5
112	0.03	-4.2		EMISSION, IC PLASMA	3,5
115	0.03	-4.2		EMISSION, IC PLASMA	3,5

35 Labs had a total range of 0.00 to 0.30 and a mean of 0.031
with a standard deviation of 0.005 and a 95% confidence interval of the mean +/- 0.002.

Table 13 Standard Reference Water Sample P9 Report for MN

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	28.0	210.3	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	8.4	-6.9		ATOMIC ABSORPTION, FLAMELESS	3
8	13.0	44.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	11.9	31.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	7.0	-22.4		EMISSION, IC PLASMA	3,5
12	6.0	-33.5		EMISSION, IC PLASMA	3,5
14	10.0	10.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	9.9	9.7		EMISSION, IC PLASMA	3,5
23	10.0	10.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	8.0	-11.3		EMISSION, IC PLASMA	3,5
32	< 5.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	15.0	66.2		NOT REPORTED	
41	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	8.0	-11.3		ATOMIC ABSORPTION, FLAMELESS	3
54	8.2	-9.1		EMISSION, IC PLASMA	3,5
57	8.5	-5.8		ATOMIC ABSORPTION, FLAMELESS	3
65	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	10.0	10.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	10.0	10.8		EMISSION, IC PLASMA	3,5
75	4.0	-55.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	10.0	10.8		ATOMIC ABSORPTION, FLAMELESS	3
91	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	10.0	10.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	10.0	10.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	5.3	-41.3		EMISSION, IC PLASMA	3,5
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
112	7.3	-19.1		EMISSION, IC PLASMA	3,5
115	8.0	-11.3		EMISSION, IC PLASMA	3,5

30 Labs had a total range of 4.0 to 28.0 and a mean of 9.02
with a standard deviation of 2.46 and a 95% confidence interval of the mean +/- 1.09.

Table 13 Standard Reference Water Sample 89 Report for NA

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.11	3.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	0.08	-25.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	0.09	-15.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	0.10	-6.2		EMISSION, IC PLASMA	3,5
11	0.07	-34.3		EMISSION, IC PLASMA	3,5
12	0.14	31.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
13	0.10	-6.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
14	0.10	-6.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
15	62.00	6E+04	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
16	0.52	387.8	REJECT	OTHER	
18	0.20	87.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	< 0.20		IGNORED	EMISSION, IC PLASMA	3,5
23	0.10	-6.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	0.19	78.2		EMISSION, IC PLASMA	3,5
32	0.10	-6.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	0.20	87.6		NOT REPORTED	
37	0.11	3.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
41	0.12	12.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	< 0.50		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
48	0.10	-6.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
54	0.16	50.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	0.10	-6.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	< 5.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	0.04	-62.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	0.07	-34.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	0.06	-43.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	0.06	-43.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
82	0.08	-25.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	< 0.10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	0.07	-34.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	0.12	12.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	0.05	-53.1		EMISSION, IC PLASMA	3,5
101	0.08	-25.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
107	0.88	725.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
112	0.06	-43.7		EMISSION, IC PLASMA	3,5
115	0.23	115.8		EMISSION, IC PLASMA	3,5

37 Labs had a total range of 0.04 to 62.00 and a mean of 0.107
with a standard deviation of 0.048 and a 95% confidence interval of the mean +/- 0.018.

Table 13 Standard Reference Water Sample 29 Report for NH3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
6	0.20	174.0		OTHER	
8	0.21	187.7		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
9	0.03	-58.9		ION SELECTIVE ELECTRODE	1,2,3,4
12	0.03	-58.9		COLORIMETRIC, PHENATE	1,2,3
13	0.03	-58.9		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
15	0.10	37.0		COLORIMETRIC, PHENATE	1,2,3
16	0.04	-45.2		ION SELECTIVE ELECTRODE	1,2,3,4
18	< 0.01		IGNORED	COLORIMETRIC, PHENATE	1,2,3
20	0.43	489.0	REJECT	COLORIMETRIC, PHENATE	1,2,3
30	0.04	-45.2		ION SELECTIVE ELECTRODE	1,2,3,4
31	0.12	64.4		ION SELECTIVE ELECTRODE	1,2,3,4
37	0.10	37.0		COLORIMETRIC, INDOPHENOL	4
41	0.03	-58.9		COLORIMETRIC, PHENATE	1,2,3
44	0.02	-72.6		OTHER	
48	0.03	-58.9		COLORIMETRIC, PHENATE	1,2,3
54	0.06	-17.8		COLORIMETRIC, INDOPHENOL	4
57	< 0.05		IGNORED	COLORIMETRIC, PHENATE	1,2,3
64	0.03	-58.9		COLORIMETRIC, PHENAT	1,2,3
72	0.05	-31.5		COLORIMETRIC, PHENATE	1,2,3
75	0.07	-4.1		COLORIMETRIC, PHENATE	1,2,3
77	0.02	-72.6		COLORIMETRIC, INDOPHENOL	4
82	0.03	-58.9		NOT REPORTED	
91	0.12	64.4		COLORIMETRIC, PHENATE	1,2,3
94	< 0.05		IGNORED	COLORIMETRIC, PHENATE	1,2,3
95	< 0.05		IGNORED	COLORIMETRIC, PHENATE	1,2,3
101	0.08	9.6		COLORIMETRIC, PHENATE	1,2,3
107	0.21	187.7		COLORIMETRIC, DISTILLATION, NESSLERIZATION	1,4
111	0.03	-58.9		COLORIMETRIC, PHENATE	1,2,3

28 Labs had a total range of 0.02 to 0.43 and a mean of 0.073
with a standard deviation of 0.061 and a 95% confidence interval of the mean +/- 0.027.

Table 13 Standard Reference Water Sample P9 Report for P9

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 1.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	30.00	263.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	10.00	21.2		ATOMIC ABSORPTION, FLAMELESS	3
8	<10.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	18.70	126.6		ANODIC STRIPPING VOLTAMMETRY	2
12	1.30	-84.2		ATOMIC ABSORPTION, FLAMELESS	3
14	1.00	-87.9		ANODIC STRIPPING VOLTAMMETRY	2
18	< 5.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
19	<10.00		IGNORED	EMISSION, IC PLASMA	3,5
23	0.50	-93.9		ANODIC STRIPPING VOLTAMMETRY	2
32	<50.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	3.40	-58.8		NOT REPORTED	
41	<50.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	2.20	-73.3		ATOMIC ABSORPTION, FLAMELESS	3
57	12.80	55.1		ATOMIC ABSORPTION, FLAMELESS	3
64	2.60	-68.5		ATOMIC ABSORPTION, FLAMELESS	3
65	< 2.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
71	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	5.30	-35.8		EMISSION, IC PLASMA	3,5
77	4.80	-41.8		ATOMIC ABSORPTION, FLAMELESS	3
86	23.00	178.7		ATOMIC ABSORPTION, FLAMELESS	3
91	<		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	1.30	-84.2		ATOMIC ABSORPTION, FLAMELESS	3
95	12.00	45.4		ATOMIC ABSORPTION, FLAMELESS	3
99	3.10	-62.4		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
107	<50.00		IGNORED	EMISSION, IC PLASMA	3,5
112	3.40	-58.8		EMISSION, IC PLASMA	3,5
115	20.00	142.3		EMISSION, IC PLASMA	3,5
118	1.42	-82.8		MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

29 Labs had a total range of 0.50 to 30.00 and a mean of 8.254
with a standard deviation of 8.801 and a 95% confidence interval of the mean +/- 4.242.

Table 13 Standard Reference Water Sample P9 Report for PH

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1.36	-10.9		ELECTROMETRIC	1,2,3,4
5	1.49	-2.4		ELECTROMETRIC	1,2,3,4
6	1.60	4.8		ELECTROMETRIC	1,2,3,4
8	1.50	-1.7		ELECTROMETRIC	1,2,3,4
10	1.36	-10.9		ELECTROMETRIC	1,2,3,4
12	1.33	-12.9		ELECTROMETRIC	1,2,3,4
13	2.67	74.9	REJECT	ELECTROMETRIC	1,2,3,4
14	1.40	-8.3		ELECTROMETRIC	1,2,3,4
15	1.36	-10.9		ELECTROMETRIC	1,2,3,4
16	1.98	29.7		ELECTROMETRIC	1,2,3,4
18	1.70	11.4		ELECTROMETRIC	1,2,3,4
20	1.40	-8.3		ELECTROMETRIC	1,2,3,4
23	1.80	17.9		ELECTROMETRIC	1,2,3,4
30	1.58	3.5		ELECTROMETRIC	1,2,3,4
31	1.37	-10.2		ELECTROMETRIC	1,2,3,4
32	1.90	24.5		ELECTROMETRIC	1,2,3,4
37	1.60	4.8		ELECTROMETRIC	1,2,3,4
44	1.33	-12.9		ELECTROMETRIC	1,2,3,4
48	1.40	-8.3		ELECTROMETRIC	1,2,3,4
54	1.35	-11.6		ELECTROMETRIC	1,2,3,4
57	1.37	-10.2		ELECTROMETRIC	1,2,3,4
64	1.40	-8.3		ELECTROMETRIC	1,2,3,4
65	2.09	36.9		ELECTROMETRIC	1,2,3,4
71	1.70	11.4		ELECTROMETRIC	1,2,3,4
72	1.42	-7.0		ELECTROMETRIC	1,2,3,4
75	1.84	20.6		NOT REPORTED	
77	1.38	-9.6		ELECTROMETRIC	1,2,3,4
82	1.36	-10.9		NOT REPORTED	
86	1.47	-3.7		ELECTROMETRIC	1,2,3,4
91	1.55	1.6		ELECTROMETRIC	1,2,3,4
94	1.57	2.9		ELECTROMETRIC	1,2,3,4
95	1.50	-1.7		ELECTROMETRIC	1,2,3,4
99	1.40	-8.3		ELECTROMETRIC	1,2,3,4
101	1.42	-7.0		ELECTROMETRIC	1,2,3,4
107	1.70	11.4		ELECTROMETRIC	1,2,3,4
115	1.44	-5.7		ELECTROMETRIC	1,2,3,4

36 Labs had a total range of 1.33 to 2.67 and a mean of 1.526
with a standard deviation of 0.199 and a 95% confidence interval of the mean +/- 0.068.

Table 13 Standard Reference Water Sample P9 Report for SO4

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1.20	-64.0		NOT REPORTED	
6	1.10	-67.0		ION CHROMATOGRAPHY	2,6
8	<10.00		IGNORED	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
9	< 1.00		IGNORED	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
10	1.00	-70.0		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
11	84.20	2429.1	REJECT	ION CHROMATOGRAPHY	2,6
12	< 0.10		IGNORED	ION CHROMATOGRAPHY	2,6
14	< 2.50		IGNORED	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
15	3.70	11.1		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
16	0.40	-88.0		GRAVIMETRIC, BARIUM SULFATE	1,2,3
18	< 0.50		IGNORED	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
23	0.00	-100.0		COLORIMETRIC, CHLORANILATE	3
32	12.80	284.5		GRAVIMETRIC, BARIUM SULFATE	1,2,3
44	< 5.00		IGNORED	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
54	0.40	-88.0		ION CHROMATOGRAPHY	2,6
57	< 1.00		IGNORED	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
65	<10.00		IGNORED	COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
71	3.00	-9.9		GRAVIMETRIC, BARIUM SULFATE	1,2,3
72	0.50	-85.0		ION CHROMATOGRAPHY	2,6
77	6.23	87.1		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
91	9.40	182.3		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
94	4.31	29.5		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
95	1.00	-70.0		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
107	4.90	47.2		GRAVIMETRIC, BARIUM SULFATE	1,2,3

24 Labs had a total range of 0.00 to 84.20 and a mean of 3.329
with a standard deviation of 3.734 and a 95% confidence interval of the mean +/- 2.068.

Table 13 Standard Reference Water Sample 89 Report for SP. COND.

Code Number	Reported value	Pct. dev. from mean	Methods	References
5	20400	29.6	ELECTRODELESS, INDUCTIVE CELL-TYPE	2
6	20750	31.9	DIRECT READING INSTRUMENT	4
8	19200	22.0	DIRECT READING INSTRUMENT	4
10	14150	-10.1	DIRECT READING INSTRUMENT	4
12	18500	17.6	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
14	150	-99.0	NOT REPORTED	
15	19300	22.6	DIRECT READING INSTRUMENT	4
16	19500	23.9	DIRECT READING INSTRUMENT	4
23	50	-99.7		
30	19500	23.9	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
32	18050	14.7	DIRECT READING INSTRUMENT	4
37	23000	46.2	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
44	19000	20.7	DIRECT READING INSTRUMENT	4
48	19000	20.7	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
54	19200	22.0	NOT REPORTED	
57	100	-99.4	DIRECT READING INSTRUMENT	4
64	16500	4.9	NOT REPORTED	
65	15800	0.4	NOT REPORTED	
71	16200	2.9	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
77	19400	23.3	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
82	20400	29.6	NOT REPORTED	
86	17350	10.3	NOT REPORTED	
91	1250	-92.1	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
94	19000	20.7	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
95	19800	25.8	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
99	19300	22.6	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
107	22500	43.0	DIRECT READING INSTRUMENT	4
111	100	-99.4	DIRECT READING INSTRUMENT	4
115	18900	20.1	NOT REPORTED	

29 Labs had a total range of 50 to 23000 and a mean of 15736
with a standard deviation of 7376 and a 95% confidence interval of the mean +/- 2805.

Table 13 Standard Reference Water Sample P8 Report for TL

Code Number	Reported value	Pct. dev. from mean		Methods	References
6	3.90	155.7	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
8	<20.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
12	<50.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
30	< 1.00		IGNORED	OTHER	
41	<50.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
44	1.60	4.9	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
57	< 1.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
71	<50.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
72	< 4.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
95	< 100		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
99	<10.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
107	<50.00		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,3
115	< 500		IGNORED	OTHER	
118	1.45	-4.9	REJECT	MASS SPECTROMETRY, IC PLASMA, ISOTOPE DILUTION	7

14 Labs had a total range of 1.45 to 3.90 and a mean of 1.525
with a standard deviation of 0.274 and a 95% confidence interval of the mean +/- 0.000.

Table 13 Standard Reference Water Sample P9 Report for ZN

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	15.0	-17.4		ANODIC STRIPPING VOLTAMMETRY	
5	28.0	54.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
6	17.0	-6.4		ATOMIC ABSORPTION, FLAMELESS	3
8	11.0	-39.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	12.0	-33.9		ANODIC STRIPPING VOLTAMMETRY	
10	9.0	-50.5		EMISSION, IC PLASMA	3,5
12	9.0	-50.5		EMISSION, IC PLASMA	3,5
14	7.0	-61.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
18	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	< 3.0		IGNORED	EMISSION, IC PLASMA	3,5
23	10.0	-45.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
30	21.0	15.6		EMISSION, IC PLASMA	3,5
32	40.0	120.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
33	28.0	54.1		NOT REPORTED	
41	40.0	120.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
44	76.0	318.3	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
54	62.0	241.3		EMISSION, IC PLASMA	3,5
57	60.0	230.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	10.0	-45.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	10.6	-41.7		EMISSION, IC PLASMA	3,5
75	5.0	-72.5		ANODIC STRIPPING VOLTAMMETRY	
77	13.0	-28.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
86	3.0	-83.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	9.0	-50.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	10.0	-45.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	11.0	-39.5		EMISSION, IC PLASMA	3,5
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
112	5.6	-69.2		EMISSION, IC PLASMA	3,5
115	8.0	-56.0		EMISSION, IC PLASMA	3,5

31 Labs had a total range of 3.0 to 76.0 and a mean of 18.17
with a standard deviation of 15.21 and a 95% confidence interval of the mean +/- 6.69.

Table 14. Statistics by method for standard reference sample 99

Determination	Method	Range: from	to	Mean	Standard Deviation	N
ACIDCACO3	TITRATION, ELECTROMETRIC, MANUAL	2338.000 -	2525.000	2426.818	51.557	11
	OVER-ALL	2338.000 -	2525.000	2426.818	51.557	11
AG	ATOMIC ABSORPTION, DIRECT, AIR	8.000 -	30.000	19.000	3.317	
	ATOMIC ABSORPTION, FLAMELESS	0.000 -	0.600	0.224	0.177	10
	OTHER	1.000 -	1.000	1.000	0.177	1
	OVER-ALL	0.000 -	30.000	0.323	0.291	12
CA	ATOMIC ABSORPTION, DIRECT, AIR	0.160 -	3.000	0.299	0.136	20
	EMISSION, IC PLASMA	0.210 -	0.300	0.250	0.029	10
	OVER-ALL	0.160 -	3.000	0.252	0.048	29
CD	ATOMIC ABSORPTION, DIRECT, AIR	1.000 -	3.000	2.000	1.000	
	ATOMIC ABSORPTION, FLAMELESS	0.800 -	2.600	1.041	0.101	13
	EMISSION, IC PLASMA	0.400 -	3.000	1.440	0.966	5
	OVER-ALL	0.400 -	3.000	1.331	0.686	26
CL	COLORIMETRIC, FERRIC THIOCYANATE	1.800 -	31.000	10.378	13.934	4
	ION CHROMATOGRAPHY	0.000 -	14.830	0.297	0.261	3
	ION SELECTIVE ELECTRODE	0.020 -	16.800	0.980	1.427	3
	TITRATION, MERCURIC NITRATE	2.000 -	13.000	2.150	0.387	
	TITRATION, SILVER NITRATE	0.000 -	165.000	1.850	1.360	
	OVER-ALL	0.000 -	165.000	4.189	5.625	16
CO	ATOMIC ABSORPTION, DIRECT, AIR	-		1.850	1.360	
	EMISSION, IC PLASMA	0.900 -	35.000	1.950	1.025	
	OVER-ALL	0.000 -	35.000	0.413	0.376	4
CR TOT	ATOMIC ABSORPTION, DIRECT, AIR	-		1.950	1.025	
	ATOMIC ABSORPTION, FLAMELESS	0.000 -	170.400	1.350	1.324	8
	EMISSION, IC PLASMA	0.300 -	5.000	2.650	1.533	
	OVER-ALL	0.000 -	170.400	1.617	1.643	12
CU	ATOMIC ABSORPTION, DIRECT, AIR	4.000 -	28.000	15.400	12.878	4
	ATOMIC ABSORPTION, FLAMELESS	2.000 -	8.000	3.771	0.914	7
	EMISSION, IC PLASMA	2.000 -	20.000	3.350	1.363	4
	OVER-ALL	2.000 -	28.000	3.961	1.110	18
F	ION CHROMATOGRAPHY	0.000 -	0.480	0.240	0.490	
	ION SELECTIVE ELECTRODE	0.010 -	0.110	0.050	0.053	3
	OTHER	0.020 -	0.250	0.040	0.020	5
	OVER-ALL	0.000 -	0.480	0.043	0.037	12
FE	ATOMIC ABSORPTION, DIRECT, AIR	5.000 -	86.000	17.300	9.458	5
	ATOMIC ABSORPTION, FLAMELESS	8.300 -	9.400	8.850	0.742	
	EMISSION, IC PLASMA	4.000 -	23.300	12.940	8.804	5
	OVER-ALL	0.200 -	196.000	39.444	61.361	16
K	ATOMIC ABSORPTION, DIRECT, AIR	0.020 -	0.200	0.067	0.026	20

Table 14. Statistics by method for standard reference sample P9

Determination	Method	Range: from	to	Mean	Standard Deviation	N
K	OTHER	0.000 -	1.000	0.438	0.430	5
	OVER-ALL	0.000 -	1.000	0.060	0.028	25
MG	ATOMIC ABSORPTION, DIRECT, AIR	0.020 -	0.300	0.031	0.005	14
	EMISSION, IC PLASMA	0.000 -	0.030	0.030	0.010	8
	OVER-ALL	0.000 -	0.300	0.031	0.005	23
MN	ATOMIC ABSORPTION, DIRECT, AIR	4.000 -	28.000	10.700	1.237	7
	ATOMIC ABSORPTION, FLAMELESS	8.000 -	10.000	8.725	0.877	4
	EMISSION, IC PLASMA	5.300 -	10.000	7.744	1.575	9
	OVER-ALL	4.000 -	28.000	9.023	2.460	22
NA	ATOMIC ABSORPTION, DIRECT, AIR	0.040 -	62.000	0.096	0.028	21
	EMISSION, IC PLASMA	0.050 -	0.230	0.117	0.075	6
	OVER-ALL	0.040 -	62.000	0.107	0.048	29
NH3-N	COLORIMETRIC, DISTILLATION, NESSLERIZATION	0.030 -	0.210	0.210	0.000	2
	COLORIMETRIC, INDOPHENOL	0.020 -	0.100	0.060	0.040	3
	COLORIMETRIC, PHENATE	0.030 -	0.430	0.060	0.034	9
	ION SELECTIVE ELECTRODE	0.030 -	0.120	0.040	0.000	2
	OVER-ALL	0.020 -	0.430	0.073	0.061	23
PB	ANODIC STRIPPING VOLTAMMETRY	0.500 -	18.700	0.750	0.500	
	ATOMIC ABSORPTION, DIRECT, AIR	30.000 -	30.000	30.000	0.500	1
	ATOMIC ABSORPTION, FLAMELESS	1.300 -	23.000	7.778	7.335	9
	EMISSION, IC PLASMA	3.400 -	20.000	9.567	9.085	3
	OVER-ALL	0.500 -	30.000	8.254	8.801	19
PH	ELECTROMETRIC	1.330 -	2.670	1.522	0.195	33
	OVER-ALL	1.330 -	2.670	1.526	0.199	35
SO4	COLORIMETRIC, METHYL THYMOL BLUE	1.000 -	9.400	4.928	3.123	5
	GRAVIMETRIC, BARIUM SULFATE	0.400 -	12.800	5.275	5.345	4
	ION CHROMATOGRAPHY	0.400 -	84.200	0.667	0.379	3
	TURBIDIMETRIC, BARIUM SULFATE	1.000 -	1.000	1.000	0.379	1
	OVER-ALL	0.000 -	84.200	3.329	3.734	15
SP. COND.	DIRECT READING INSTRUMENT	110.000 -	22480.000	15264.000	8258.354	10
	NOT REPORTED	160.000 -	20410.000	18026.667	1764.445	6
	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1270.000 -	23000.000	19300.000	1748.313	9
	OVER-ALL	50.000 -	23000.000	15736.207	7376.409	29
TL	ATOMIC ABSORPTION, DIRECT, AIR		-	18026.667	29.552	
	ATOMIC ABSORPTION, FLAMELESS	1.600 -	3.900	1.600	29.552	1
	OVER-ALL	1.450 -	3.900	1.525	0.274	
ZN	ANODIC STRIPPING VOLTAMMETRY	5.000 -	15.000	10.667	5.132	3
	ATOMIC ABSORPTION, DIRECT, AIR	3.000 -	60.000	20.083	17.769	12
	EMISSION, IC PLASMA	5.600 -	62.000	8.867	1.950	6
	OVER-ALL	3.000 -	76.000	18.168	16.207	25

Table 15 Standard Reference Water Sample AMW2 Report for ACIDBCACO3

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	900	0.0		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
12	850	-5.6		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
21	1000	11.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
23	940	4.4		TITRATION, COLORIMETRIC, MANUAL	1,2,3
45	900	0.0		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
62	630	-30.0	REJECT	TITRATION, COLORIMETRIC, MANUAL	1,2,3
71	900	0.0		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
77	870	-3.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
92	1250	38.9	REJECT	NOT REPORTED	
94	860	-4.4		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
95	910	1.1		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4
107	870	-3.3		TITRATION, ELECTROMETRIC, MANUAL	1,2,3,4

12 Labs had a total range of 630 to 1250 and a mean of 900
with a standard deviation of 44 and a 95% confidence interval of the mean +/- 32.

Table 15 Standard Reference Water Sample AMW2 Report for AG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 1.0		IGNORED	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
5	68.0	1532.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
8	< 10.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
12	< 0.1		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
21	10.0	140.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
22	0.3	-92.8		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,2,4
23	1.0	-76.0		ATOMIC ABSORPTION, FLAMELESS	3
33		3E+04	REJECT	NOT REPORTED	
44	< 0.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
45	< 2.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
57	< 0.2		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
71	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
72	0.7	-83.2		ATOMIC ABSORPTION, FLAMELESS	3
73	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
75	10.0	140.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
77	3.0	-28.0		ATOMIC ABSORPTION, FLAMELESS	3
91	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3
94	< 0.1		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
95	< 23.7		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
99	< 4.0		IGNORED	OTHER	
107	< 20.0		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3

21 Labs had a total range of 0.3 to and a mean of 4.17
with a standard deviation of 4.61 and a 95% confidence interval of the mean +/- 4.84.

Table 15 Standard Reference Water Sample AM#2 Report for AL

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	20.1	7.3	EMISSION, DC PLASMA	
5	29.1	55.4	ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
8	20.0	6.8	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
10	22.1	18.0	EMISSION, IC PLASMA	3,5
12	2.1	-88.8	EMISSION, IC PLASMA	3,5
20	0.0	-100.0	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
22	20.7	10.5	EMISSION, IC PLASMA	3,5
24	21.0	12.1	EMISSION, IC PLASMA	3,5
30	20.6	10.0	EMISSION, IC PLASMA	3,5
33	20.3	8.4	NOT REPORTED	
44	23.0	22.8	ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
45	22.0	17.5	NOT REPORTED	
57	20.0	6.8	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
59	22.1	18.0	EMISSION, IC PLASMA	3,5
65	21.2	13.2	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
71	20.2	7.9	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
72	18.9	0.9	EMISSION, IC PLASMA	3,5
73	19.2	2.5	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
77	21.0	12.1	ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
94	16.2	-13.5	ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
95	23.7	26.6	ATOMIC ABSORPTION,DIRECT,FLAMELESS	3
99	23.6	26.0	ATOMIC ABSORPTION, CHELATION EXTRACTION, NITROUS OXIDE	2,4
107	3.6	-80.8	EMISSION, IC PLASMA	3,5

23 Labs had a total range of 0.0 to 29.1 and a mean of 18.73
with a standard deviation of 7.08 and a 95% confidence interval of the mean +/- 3.06.

Table 15 Standard Reference Water Sample AMW2 Report for AS

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	20	-62.9		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
5	56	3.9		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
8	40	-25.8		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
10	58	7.6		SPECTROPHOTOMETRIC,SILVER DIETHYL DITHIOCARBAMATE	2,3,4
12	64	18.8		ATOMIC ABSORPTION, FLAMELESS	3
22	2	-96.3	REJECT	ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
30	67	24.3		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
33	362	571.8	REJECT	NOT REPORTED	
45	51	-5.3		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1,4
57	47	-12.8		ATOMIC ABSORPTION, FLAMELESS	3
62	46	-14.6		ATOMIC ABSORPTION, FLAMELESS	3
65	55	2.1		ATOMIC ABSORPTION, FLAMELESS	3
71	67	24.3		ATOMIC ABSORPTION, FLAMELESS	3
72	64	18.8		ATOMIC ABSORPTION, FLAMELESS	3
73	70	29.9		ATOMIC ABSORPTION, FLAMELESS	3
77	66	22.5		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
94	65	20.6		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1
95	30	-44.3		ATOMIC ABSORPTION, FLAMELESS	3
107	50	-7.2		ATOMIC ABSORPTION, HYDRIDE,(NABH4)	1

19 Labs had a total range of 2 to 362 and a mean of 53.9
with a standard deviation of 14.0 and a 95% confidence interval of the mean +/- 7.2.

Table 15 Standard Reference Water Sample AMW2 Report for BA

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
8	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
10	4.0	-73.5		EMISSION, IC PLASMA	3,5
12	60.0	297.6		EMISSION, IC PLASMA	3,5
19	6.0	-60.2		EMISSION, IC PLASMA	3,5
22	5.4	-64.2		EMISSION, IC PLASMA	3,5
24	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
30	6.0	-60.2		EMISSION, IC PLASMA	3,5
33	6.6	-56.3		NOT REPORTED	
44	< 5.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
45	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5
57	53.0	251.2		ATOMIC ABSORPTION, FLAMELESS	3
59	13.0	-13.9		EMISSION, IC PLASMA	3,5
62	< 20.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
65	<200.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
71	<500.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
72	4.8	-68.2		EMISSION, IC PLASMA	3,5
73	< 0.5		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
94	1.2	-92.0		ATOMIC ABSORPTION, FLAMELESS	3
95	<100.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
99	6.0	-60.2		EMISSION, IC PLASMA	3,5
107	140.0	827.7	REJECT	EMISSION, IC PLASMA	3,5

22 Labs had a total range of 1.2 to 140.0 and a mean of 15.09
with a standard deviation of 20.72 and a 95% confidence interval of the mean +/- 13.92.

Table 15 Standard Reference Water Sample AMW2 Report for BE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	10.0	-32.2		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
8	13.0	-11.8		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
12	390.0	2546.1	REJECT	EMISSION, IC PLASMA	3,5
19	17.0	15.3		EMISSION, IC PLASMA	3,5
21	18.0	22.1		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
30	14.0	-5.0		EMISSION, IC PLASMA	3,5
33	30.0	103.5	REJECT	NOT REPORTED	
45	15.0	1.8		EMISSION, IC PLASMA	3,5
57	13.7	-7.0		ATOMIC ABSORPTION, FLAMELESS	3
59	14.0	-5.0		EMISSION, IC PLASMA	3,5
62	22.0	49.3		ATOMIC ABSORPTION, FLAMELESS	3
71	< 50.0		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
72	16.9	14.7		EMISSION, IC PLASMA	3,5
94	14.0	-5.0		ATOMIC ABSORPTION, FLAMELESS	3
95	10.0	-32.2		ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3,4
99	14.0	-5.0		EMISSION, IC PLASMA	3,5
107	< 10.0		IGNORED	EMISSION, IC PLASMA	3,5

17 Labs had a total range of 10.0 to 390.0 and a mean of 14.74
with a standard deviation of 3.22 and a 95% confidence interval of the mean +/- 1.95.

Table 15 Standard Reference Water Sample AMW2 Report for CO

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	130	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	123	-1.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	137	10.2		ANODIC STRIPPING VOLTAMMETRY, DIFFERENTIAL PULSE	2
10	93	-25.2		ATOMIC ABSORPTION, FLAMELESS	3
12	151	21.4		ATOMIC ABSORPTION, FLAMELESS	3
19	121	-2.7		EMISSION, IC PLASMA	3,5
21	137	10.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	150	20.6		EMISSION, IC PLASMA	3,5
24	120	-3.5		EMISSION, IC PLASMA	3,5
30	136	9.4		EMISSION, IC PLASMA	3,5
33	139	11.8		NOT REPORTED	
45	117	-5.9		EMISSION, IC PLASMA	3,5
56	154	23.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	139	11.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	330	165.4	REJECT	ATOMIC ABSORPTION, FLAMELESS	3
65	128	2.9		ATOMIC ABSORPTION, FLAMELESS	3
71	120	-3.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	68	-45.3		EMISSION, IC PLASMA	3,5
73	130	4.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	70	-43.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	110	-11.5		ATOMIC ABSORPTION, FLAMELESS	3
91	140	12.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	125	0.5		ATOMIC ABSORPTION, FLAMELESS	3
95	140	12.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	131	5.3		EMISSION, IC PLASMA	3,5
107	100	-19.6		EMISSION, IC PLASMA	3,5

26 Labs had a total range of 68 to 330 and a mean of 124.4
with a standard deviation of 22.1 and a 95% confidence interval of the mean +/- 9.1.

Table 15 Standard Reference Water Sample AMW2 Report for CL

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	2.2	-79.0	NOT REPORTED	
5	0.5	-95.2	ION SELECTIVE ELECTRODE	1,2,3,4
9	7.3	-30.3	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
10	10.0	-4.5	TITRATION, SILVER NITRATE	1,2,4
12	7.8	-25.5	ION CHROMATOGRAPHY	2,3,6
21	10.9	4.1	TITRATION, MERCURIC NITRATE	1,2,3,4
24	5.8	-44.6	ION SELECTIVE ELECTRODE	1,2,3,4
30	8.6	-17.9	ION CHROMATOGRAPHY	2,3,6
44	8.8	-16.0	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
45	6.9	-34.1	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
56	23.0	119.6	TITRATION, MERCURIC NITRATE	1,2,3,4
59	7.8	-25.5	ION CHROMATOGRAPHY	2,3,6
65	7.0	-33.2	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
72	7.0	-33.2	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
77	0.1	-99.0	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
91	11.0	5.0	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
92	27.1	158.7	TITRATION, MERCURIC NITRATE	1,2,3,4
94	29.5	181.6	ION SELECTIVE ELECTRODE	1,2,3,4
95	8.0	-23.6	COLORIMETRIC, FERRIC THIOCYANATE	1,2,3,4
107	20.2	92.8	TITRATION, SILVER NITRATE	1,2,4

20 Labs had a total range of 0.1 to 29.5 and a mean of 10.48
with a standard deviation of 8.15 and a 95% confidence interval of the mean +/- 3.81.

Table 15 Standard Reference Water Sample AMW2 Report for CO

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	125	-12.5	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
8	130	-9.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
19	136	-4.8	EMISSION, IC PLASMA	3,5
21	181	26.7	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	120	-16.0	EMISSION, IC PLASMA	3,5
33	167	16.9	NOT REPORTED	
56	190	33.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	150	5.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	140	-2.0	EMISSION, IC PLASMA	3,5
77	110	-23.0	ATOMIC ABSORPTION, FLAMELESS	3
95	140	-2.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	138	-3.4	EMISSION, IC PLASMA	3,5
107	130	-9.0	EMISSION, IC PLASMA	3,5

13 Labs had a total range of 110 to 190 and a mean of 142.3
with a standard deviation of 23.5 and a 95% confidence interval of the mean +/- 14.2.

Table 15 Standard Reference Water Sample AMW2 Report for CR TOT

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	40	93.7		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,3,4
5	12	-41.9		ATOMIC ABSORPTION, FLAMELESS	3
8	< 10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	< 20		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	10	-51.6		ATOMIC ABSORPTION, FLAMELESS	3
12	3	-61.3		ATOMIC ABSORPTION, FLAMELESS	3
21	47	127.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	28	35.6		EMISSION, IC PLASMA	3
30	20	-3.1		EMISSION, IC PLASMA	3
33	116	461.7	REJECT	NOT REPORTED	
44	6	-70.9		ATOMIC ABSORPTION, FLAMELESS	3
45	3	-85.5		ATOMIC ABSORPTION, FLAMELESS	3
56	46	122.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	16	-22.5		ATOMIC ABSORPTION, FLAMELESS	3
62	15	-27.4		ATOMIC ABSORPTION, FLAMELESS	3
65	< 30		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	20	-3.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	20	-3.1		EMISSION, IC PLASMA	3
73	< 50		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	10	-51.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	8	-61.3		ATOMIC ABSORPTION, FLAMELESS	3
91	35	69.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	9	-56.4		ATOMIC ABSORPTION, FLAMELESS	3
95	< 10		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	20	-3.1		EMISSION, IC PLASMA	3
107	40	93.7		EMISSION, IC PLASMA	3

26 Labs had a total range of 3 to 116 and a mean of 20.7
with a standard deviation of 13.9 and a 95% confidence interval of the mean +/- 6.5.

Table 15 Standard Reference Water Sample AMW2 Report for CU

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	5350	4.6		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
8	5100	-0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	5130	0.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	5060	-1.0		EMISSION, IC PLASMA	3,5
12	5500	7.6		EMISSION, IC PLASMA	3,5
19	5230	2.3		EMISSION, IC PLASMA	3,5
21	4940	-3.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	5100	-0.2		EMISSION, IC PLASMA	3,5
24	4900	-4.2		EMISSION, IC PLASMA	3,5
30	5220	2.1		EMISSION, IC PLASMA	3,5
33	4950	-3.2		NOT REPORTED	
45	5450	6.6		EMISSION, IC PLASMA	3,5
56	4790	-6.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	5000	-2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	5100	-0.2		EMISSION, IC PLASMA	3,5
62	4950	-3.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	5290	3.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	5220	2.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	4570	-10.6		EMISSION, IC PLASMA	3,5
73	6180	20.9	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	2300	-45.2	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	5100	-0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	5000	-2.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	5130	0.3		ATOMIC ABSORPTION, FLAMELESS	3
95	510	-90.0	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	5180	1.3		EMISSION, IC PLASMA	3,5
107	5440	6.4		EMISSION, IC PLASMA	3,5

27 Labs had a total range of 510 to 6130 and a mean of 5113
with a standard deviation of 214 and a 95% confidence interval of the mean +/- 90.

Table 15 Standard Reference Water Sample AMW2 Report for F

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	2.7	8.0		ION SELECTIVE ELECTRODE	1,2,3,4
5	1.4	-44.0		OTHER	
8	3.9	56.0		OTHER	
10	3.6	44.0		OTHER	
12	4.5	80.0		ION CHROMATOGRAPHY	2,3,6
23	1.7	-32.0		COLORIMETRIC, ZIRCONYL ALIZARIN	1
30	2.6	4.0		ION CHROMATOGRAPHY	2,3,6
44	0.5	-80.0		ION SELECTIVE ELECTRODE	1,2,3,4
59	4.6	84.0		ION CHROMATOGRAPHY	2,3,6
71	< 0.1		IGNORED	OTHER	
72	1.7	-32.0		ION SELECTIVE ELECTRODE	1,2,3,4
77	2.4	-4.0		ION SELECTIVE ELECTRODE	1,2,3,4
94	0.3	-88.0		ION SELECTIVE ELECTRODE	1,2,3,4
95	4.4	76.0		COLORIMETRIC, CEROUS ALIZARIN "COMPLEXONE"	3
107	0.7	-72.0		ION SELECTIVE ELECTRODE	1,2,3,4

15 Labs had a total range of 0.3 to 4.6 and a mean of 2.50
with a standard deviation of 1.51 and a 95% confidence interval of the mean +/- 0.87.

Table 15 Standard Reference Water Sample AMW2 Report for FE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	119.0	-16.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	135.0	-5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	125.4	-11.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	148.7	4.7		EMISSION, IC PLASMA	3,5
12	150.0	5.6		EMISSION, IC PLASMA	3,5
19	143.4	1.0		EMISSION, IC PLASMA	3,5
20	130.0	-8.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
21	149.4	5.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	149.0	4.9		EMISSION, IC PLASMA	3,5
23	113.0	-20.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
24	140.0	-1.4		EMISSION, IC PLASMA	3,5
30	148.0	4.2		EMISSION, IC PLASMA	3,5
33	138.7	-2.3		NOT REPORTED	
44	15.0	-89.4	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	157.0	10.5		EMISSION, IC PLASMA	3,5
56	150.0	5.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	135.0	-5.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	150.0	5.6		EMISSION, IC PLASMA	3,5
62	190.0	33.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	153.0	7.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	154.0	8.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	140.0	-1.4		EMISSION, IC PLASMA	3,5
73	135.3	-4.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	69.0	-51.4	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	150.0	5.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	127.0	-10.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	147.0	3.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	154.0	8.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	151.0	6.3		EMISSION, IC PLASMA	3,5
107	1.6	-98.9	REJECT	EMISSION, IC PLASMA	3,5

30 Labs had a total range of 1.6 to 190.0 and a mean of
with a standard deviation of 11.59 and a 95% confidence interval of the mean +/- 4.68.

Table 15 Standard Reference Water Sample AMW2 Report for HG

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	0.10	-91.2		EMISSION, IC PLASMA	3
12	2.00	75.1		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
23	0.03	-93.0		EMISSION, IC PLASMA	3
30	0.12	-89.5		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
44	< 0.20		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
45	1.70	48.9		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
56	2.80	145.2		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
57	< 0.20		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
62	1.60	40.1		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
71	< 2.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
73	< 1.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
77	0.20	-82.5		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
94	0.30	-73.7		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
95	2.52	120.7		ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
99	< 2.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4
107	< 1.00		IGNORED	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	1,2,3,4

16 Labs had a total range of 0.03 to 2.80 and a mean of 1.142
with a standard deviation of 1.093 and a 95% confidence interval of the mean +/- 0.782.

Table 15 Standard Reference Water Sample AMW2 Report for LI

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	35	-30.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
19	61	21.3		EMISSION, IC PLASMA	3,5
21	40	-20.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
22	62	23.3		EMISSION, IC PLASMA	3,5
30	46	-8.5		EMISSION, IC PLASMA	3,5
33	35	-30.4		NOT REPORTED	
59	48	-4.6		EMISSION, IC PLASMA	3,5
71	< 20		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
72	50	-0.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
95	80	59.0		EMISSION, FLAME	1
99	46	-8.5		EMISSION, IC PLASMA	3,5

11 Labs had a total range of 35 to 80 and a mean of 50.3
with a standard deviation of 13.9 and a 95% confidence interval of the mean +/- 10.0.

Table 15 Standard Reference Water Sample AMW2 Report for MN

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	86.3	-2.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	85.1	-4.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	110.0	23.9	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	82.0	-7.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	96.4	8.6		EMISSION, IC PLASMA	3,5
12	94.0	5.9		EMISSION, IC PLASMA	3,5
19	85.9	-3.3		EMISSION, IC PLASMA	3,5
21	87.3	-1.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	88.1	-0.8		EMISSION, IC PLASMA	3,5
24	85.0	-4.3		EMISSION, IC PLASMA	3,5
30	92.8	4.5		EMISSION, IC PLASMA	3,5
33	83.9	-5.5		NOT REPORTED	
44	7.4	-91.7	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	95.5	7.5		EMISSION, IC PLASMA	3,5
56	85.0	-4.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	87.0	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	92.2	3.8		EMISSION, IC PLASMA	3,5
62	83.0	-6.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	93.3	5.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	89.0	0.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	84.2	-5.2		EMISSION, IC PLASMA	3,5
73	43.2	-51.4	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	49.0	-44.8	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	92.0	3.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	115.0	29.5	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	9.0	-89.9	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	87.6	-1.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	94.1	6.0		EMISSION, IC PLASMA	3,5
107	92.8	4.5		EMISSION, IC PLASMA	3,5

29 Labs had a total range of 7.4 to 115.0 and a mean of 88.80
with a standard deviation of 4.38 and a 95% confidence interval of the mean +/- 1.89.

Table 15 Standard Reference Water Sample AMW2 Report for MO

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1	-98.5		ATOMIC ABS,EXTRACTION,8 HYDROXYQUINOLINE/MIBK,NITROUS OXIDE	4
8	< 10		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
12	180	165.5		EMISSION, IC PLASMA	3,5
19	< 20		IGNORED	EMISSION, IC PLASMA	3,5
30	30	-55.8		EMISSION, IC PLASMA	3,5
33	70	3.2		NOT REPORTED	
71	< 100		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
72	< 700		IGNORED	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	1,2,3
95	< 10		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
99	58	-14.5		EMISSION, IC PLASMA	3,5
107	< 60		IGNORED	EMISSION, IC PLASMA	3,5

11 Labs had a total range of 1 to 180 and a mean of 67.3
with a standard deviation of 68.2 and a 95% confidence interval of the mean +/- 84.6.

Table 15 Standard Reference Water Sample AMW2 Report for NI

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	60	-75.5	REJECT	ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
8	210	-14.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	260	6.1		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
10	290	18.4		ATOMIC ABSORPTION, FLAMELESS	3
12	220	-10.2		ATOMIC ABSORPTION, FLAMELESS	3
21	200	-18.4		NOT REPORTED	
22	210	-14.3		OTHER	
30	260	6.1		OTHER	
33	280	14.3		NOT REPORTED	
45	260	6.1		OTHER	
56	660	169.4	REJECT	NOT REPORTED	
57	270	10.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	270	10.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	280	14.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	210	-14.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	270	10.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
73	600	144.9	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	150	-38.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
77	250	2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	400	63.3	REJECT	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	210	-14.3		ATOMIC ABSORPTION, FLAMELESS	3
95	250	2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	310	26.5		OTHER	
107	240	-2.0		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4

24 Labs had a total range of 60 to 660 and a mean of 245
with a standard deviation of 38 and a 95% confidence interval of the mean +/- 18.

Table 15 Standard Reference Water Sample AMW2 Report for NO3-N

Code Number	Reported value	Pct. dev. from mean		Methods	References
10	4.20	252.1		COLORIMETRIC, BRUCINE	1,2,3,4
12	< 0.01		IGNORED	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
21	0.15	-87.4		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
23	0.00	-100.0		COLORIMETRIC, BRUCINE	1,2,3,4
24	< 0.10		IGNORED	OTHER	
30	2.30	92.8		ION CHROMATOGRAPHY	2,3,6,7
44	< 0.01		IGNORED	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
45	< 0.10		IGNORED	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
56	0.20	-83.2		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
57	0.25	-79.0		COLORIMETRIC, HYDRAZINE REDUCTION, DIAZOTIZATION	3
72	0.04	-96.6		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
77	0.00	-100.0		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
92	0.24	-79.9		COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
99	< 0.05		IGNORED	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	1,2,3,4
107	4.55	281.4		COLORIMETRIC, BRUCINE	1,2,3,4

15 Labs had a total range of 0.00 to 4.55 and a mean of 1.193
with a standard deviation of 1.815 and a 95% confidence interval of the mean +/- 1.297.

Table 15 Standard Reference Water Sample AMW2 Report for PB

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	39	-35.9		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	130	113.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	27	-55.7		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	317	420.6	REJECT	ANODIC STRIPPING VOLTAMMETRY	2
10	86	41.2		ATOMIC ABSORPTION, FLAMELESS	3
12	38	-37.6		ATOMIC ABSORPTION, FLAMELESS	3
19	< 20		IGNORED	EMISSION, IC PLASMA	3,5
21	102	67.5		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
23	12	-80.3		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
33	189	210.4		NOT REPORTED	
45	43	-29.4		ATOMIC ABSORPTION, EXTRACTION (APDC/MIBK)	1,4
57	40	-34.3		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
62	35	-42.5		ATOMIC ABSORPTION, FLAMELESS	3
65	6	-90.1		ATOMIC ABSORPTION, FLAMELESS	3
71	20	-67.2		ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	94	54.4		EMISSION, IC PLASMA	3,5
73	< 500		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	150	146.4		ANODIC STRIPPING VOLTAMMETRY	2
77	5	-91.8		ATOMIC ABSORPTION, FLAMELESS	3
91	< 200		IGNORED	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	30	-50.7		ATOMIC ABSORPTION, FLAMELESS	3
95	50	-17.9		ATOMIC ABSORPTION, FLAMELESS	3
99	415	581.6	REJECT	EMISSION, IC PLASMA	3,5
107	< 50		IGNORED	EMISSION, IC PLASMA	3,5

24 Labs had a total range of 5 to 415 and a mean of 60.9
with a standard deviation of 52.8 and a 95% confidence interval of the mean +/- 26.3.

Table 15 Standard Reference Water Sample AMwI Report for PH

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	2.41	-3.4	ELECTROMETRIC	1,2,3,4
5	2.65	6.3	ELECTROMETRIC	1,2,3,4
8	2.50	0.2	ELECTROMETRIC	1,2,3,4
10	2.27	-9.0	ELECTROMETRIC	1,2,3,4
12	2.50	0.2	ELECTROMETRIC	1,2,3,4
21	2.56	2.7	ELECTROMETRIC	1,2,3,4
23	2.50	0.2	ELECTROMETRIC	1,2,3,4
30	2.44	-2.2	ELECTROMETRIC	1,2,3,4
31	2.45	-1.8	ELECTROMETRIC	1,2,3,4
44	2.40	-3.8	ELECTROMETRIC	1,2,3,4
45	2.50	0.2	ELECTROMETRIC	1,2,3,4
56	2.52	1.1	ELECTROMETRIC	1,2,3,4
57	2.41	-3.4	ELECTROMETRIC	1,2,3,4
59	2.50	0.2	ELECTROMETRIC	1,2,3,4
62	2.64	5.9	ELECTROMETRIC	1,2,3,4
65	2.64	5.9	OTHER	
71	2.50	0.2	ELECTROMETRIC	1,2,3,4
72	2.43	-2.6	ELECTROMETRIC	1,2,3,4
75	2.67	7.1	NOT REPORTED	
77	2.40	-3.8	ELECTROMETRIC	1,2,3,4
91	2.60	4.3	ELECTROMETRIC	1,2,3,4
92	2.63	5.5	ELECTROMETRIC	1,2,3,4
94	2.48	-0.6	ELECTROMETRIC	1,2,3,4
95	2.45	-1.8	ELECTROMETRIC	1,2,3,4
99	2.39	-4.2	ELECTROMETRIC	1,2,3,4
107	2.40	-3.8	ELECTROMETRIC	1,2,3,4

26 Labs had a total range of 2.27 to 2.67 and a mean of 2.494
with a standard deviation of 0.099 and a 95% confidence interval of the mean +/- 0.040.

Table 15 Standard Reference Water Sample AMW2 Report for SE

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	< 1.0		IGNORED	ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
8	< 1.0		IGNORED	ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
12	< 1.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
22	22.1	222.2		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
30	0.1	-98.5		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
33	509.0	7319.8	REJECT	NOT REPORTED	
45	< 10.0		IGNORED	ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
57	< 2.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
62	1.0	-85.4		ATOMIC ABSORPTION, FLAMELESS	3
65	< 2.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
72	10.3	57.4		ATOMIC ABSORPTION, FLAMELESS	3
77	0.3	-95.6		ATOMIC ABSORPTION, HYDRIDE	1,2,3,4
94	< 0.1		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
95	< 10.0		IGNORED	ATOMIC ABSORPTION, FLAMELESS	3
107	< 1.0		IGNORED	ATOMIC ABSORPTION, HYDRIDE	1,2,3,4

15 Labs had a total range of 0.1 to 509.0 and a mean of 6.86
with a standard deviation of 9.63 and a 95% confidence interval of the mean +/- 11.95.

Table 15 Standard Reference Water Sample AMW2 Report for SIO2

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	37	-20.9	OTHER	
8	53	13.4	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
10	47	0.5	EMISSION, IC PLASMA	5
12	50	7.0	EMISSION, IC PLASMA	5
19	46	-1.6	EMISSION, IC PLASMA	5
22	49	4.8	EMISSION, IC PLASMA	5
23	32	-31.6	COLORIMETRIC, SODIUM SULFITE REDUCTION TO MOLYBDATE BLUE	4
24	42	-10.2	EMISSION, IC PLASMA	5
30	46	-1.6	EMISSION, IC PLASMA	5
33	45	-3.7	NOT REPORTED	
44	60	28.3	COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
45	55	17.6	COLORIMETRIC, ASCORBIC ACID REDUCTION TO MOLYBDATE BLUE	4
59	46	-1.6	EMISSION, IC PLASMA	5
71	53	13.4	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
72	47	0.5	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
77	44	-5.9	COLORIMETRIC,AMINO-NAPTHOL SULFONIC ACID REDUCE-HETEROPOLY BLUE	3
94	45	-3.7	COLORIMETRIC, MOLYBDOSILICIC ACID	1,2,3
95	45	-3.7	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4
99	48	2.7	EMISSION, IC PLASMA	5
107	45	-3.7	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	4

20 Labs had a total range of 32 to 60 and a mean of 46.3
with a standard deviation of 6.1 and a 95% confidence interval of the mean +/- 2.8.

Table 15 Standard Reference Water Sample AMW2 Report for SO4

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	2100	8.9		NOT REPORTED	
8	1350	-4.0		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
9	1720	-10.8		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
10	2000	3.8		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
12	1960	1.7		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
21	1700	-11.8		GRAVIMETRIC, BARIUM SULFATE	1,2,3
23	2040	5.8		COLORIMETRIC, CHLORANILATE	3
24	2050	6.3		GRAVIMETRIC, BARIUM SULFATE	1,2,3
30	2000	3.8		ION CHROMATOGRAPHY	2,6
44	2500	29.7		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
45	1700	-11.8		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
57	2050	6.3		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
59	2070	7.4		ION CHROMATOGRAPHY	2,6
65	1890	-2.0		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
72	1540	-20.1		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
75	1400	-27.4		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
77	2000	3.8		TURBIDIMETRIC, BARIUM SULFATE	1,2,3
91	1900	-1.4		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
92	20	-99.0	REJECT	TURBIDIMETRIC, BARIUM SULFATE	1,2,3
94	1830	-5.1		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
95	2160	12.1		COLORIMETRIC, METHYL THYMOL BLUE	1,3,4
107	2020	4.8		GRAVIMETRIC, BARIUM SULFATE	1,2,3

22 Labs had a total range of 20 to 2500 and a mean of 1928
with a standard deviation of 234 and a 95% confidence interval of the mean +/- 106.

Table 15 Standard Reference Water Sample AMW2 Report for SP. COND.

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	3910	0.6		NOT REPORTED	
5	9240	137.7	REJECT	ELECTRODELESS, INDUCTIVE CELL-TYPE	2
8	4050	4.2		DIRECT READING INSTRUMENT	4
10	4160	7.0		DIRECT READING INSTRUMENT	4
12	3920	0.8		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
21	3670	-5.6		DIRECT READING INSTRUMENT	4
23	6100	56.9	REJECT	NOT REPORTED	
30	4180	7.5		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
44	4000	2.9		DIRECT READING INSTRUMENT	4
45	4050	4.2		DIRECT READING INSTRUMENT	4
65	3520	-9.5		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
71	3590	-7.7		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
77	6370	63.8	REJECT	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
91	3480	-10.5		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
92	3850	-1.0		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
95	4050	4.2		WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	1,2,3,4
107	4000	2.9		DIRECT READING INSTRUMENT	4

17 Labs had a total range of 3480 to 9240 and a mean of 3888
with a standard deviation of 233 and a 95% confidence interval of the mean +/- 134.

Table 15 Standard Reference Water Sample AMW2 Report for SR

Code Number	Reported value	Pct. dev. from mean		Methods	References
1	1500	-4.6		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
8	1600	1.8		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
22	1500	-4.6		EMISSION, IC PLASMA	3,5
30	1530	-2.7		EMISSION, IC PLASMA	3,5
33	1570	-0.1		NOT REPORTED	
44	1100	-30.0	REJECT	OTHER	
45	1600	1.8		EMISSION, IC PLASMA	3,5
59	1500	-4.6		EMISSION, IC PLASMA	3,5
72	1700	8.1		EMISSION, IC PLASMA	3,5
95	1610	2.4		ATOMIC ABSORPTION, DIRECT, AIR	1,2,4
99	1610	2.4		EMISSION, IC PLASMA	3,5

11 Labs had a total range of 1100 to 1700 and a mean of 1572
with a standard deviation of 65 and a 95% confidence interval of the mean +/- 47.

Table 15 Standard Reference Water Sample AMW2 Report for ZN

Code Number	Reported value	Pct. dev. from mean	Methods	References
1	43.6	12.1	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
5	0.9	-97.7	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
8	44.0	13.1	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
9	45.4	16.7	ANODIC STRIPPING VOLTAMMETRY	
10	46.6	19.8	EMISSION, IC PLASMA	3,5
12	47.0	20.8	EMISSION, IC PLASMA	3,5
21	44.1	13.4	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
22	44.0	13.1	EMISSION, IC PLASMA	3,5
24	42.0	8.0	EMISSION, IC PLASMA	3,5
30	45.4	16.7	EMISSION, IC PLASMA	3,5
33	41.8	7.4	NOT REPORTED	
44	4.4	-88.7	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
45	45.9	18.0	EMISSION, IC PLASMA	3,5
56	38.5	-1.0	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
57	44.0	13.1	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
59	45.3	16.4	EMISSION, IC PLASMA	3,5
62	47.0	20.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
65	44.5	14.4	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
71	46.8	20.3	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
72	40.7	4.6	EMISSION, IC PLASMA	3,5
73	30.5	-21.6	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
75	24.0	-38.3	ANODIC STRIPPING VOLTAMMETRY	
77	4.2	-89.2	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
91	46.5	19.5	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
94	43.9	12.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
95	43.1	10.8	ATOMIC ABSORPTION, DIRECT, AIR	1,2,3,4
99	46.8	20.3	EMISSION, IC PLASMA	3,5
107	48.4	24.4	EMISSION, IC PLASMA	3,5

28 Labs had a total range of 0.9 to 48.4 and a mean of 38.90
with a standard deviation of 13.60 and a 95% confidence interval of the mean +/- 5.27.

Table 16. Statistics by method for standard reference sample AMW2

Determination	Method	Range: from	to	Mean	Standard Deviation	N
ACID@CACO3	TITRATION, ELECTROMETRIC, MANUAL	850.000	1000.000	882.500	22.520	8
	OVER-ALL	630.000	1250.000	900.000	44.222	10
AG	ATOMIC ABSORPTION, DIRECT, AIR	10.000	68.000	10.000	0.000	2
	ATOMIC ABSORPTION, FLAMELESS	0.700	3.000	1.567	1.250	3
	OVER-ALL	0.300	1267.000	4.167	4.613	6
AL	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	0.000	21.200	20.120	0.716	5
	ATOMIC ABSORPTION,DIRECT,FLAMELESS	16.200	29.100	22.600	4.667	5
	EMISSION, IC PLASMA	2.100	22.100	16.388	8.425	8
	OVER-ALL	0.000	29.100	18.726	7.084	23
AS	ATOMIC ABSORPTION, FLAMELESS	30.000	70.000	55.375	13.627	8
	ATOMIC ABSORPTION, HYDRIDE,(NABH4)	2.000	51.000	28.250	21.701	4
	ATOMIC ABSORPTION, HYDRIDE,(NABH4)	50.000	67.000	60.800	7.463	5
	OVER-ALL	2.000	362.000	53.882	14.022	17
BA	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	-		60.800	3.286	
	ATOMIC ABSORPTION, FLAMELESS	1.200	53.000	27.100	5.089	
	EMISSION, IC PLASMA	4.000	140.000	5.367	0.824	6
	OVER-ALL	1.200	140.000	15.091	20.722	11
BE	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	10.000	18.000	12.750	3.775	4
	ATOMIC ABSORPTION, FLAMELESS	13.700	22.000	13.850	0.387	
	EMISSION, IC PLASMA	14.000	390.000	15.150	1.447	6
	OVER-ALL	10.000	390.000	14.739	3.220	13
CD	ATOMIC ABSORPTION, DIRECT, AIR	70.000	154.000	134.778	10.305	9
	ATOMIC ABSORPTION, FLAMELESS	93.000	330.000	121.400	21.617	5
	EMISSION, IC PLASMA	68.000	150.000	117.875	24.942	8
	OVER-ALL	68.000	330.000	124.360	22.136	25
CL	COLORIMETRIC, FERRIC THIOCYANATE	0.100	11.000	7.240	0.451	5
	ION CHROMATOGRAPHY	7.800	8.600	7.800	0.000	2
	ION SELECTIVE ELECTRODE	0.500	29.500	11.933	15.442	3
	TITRATION, MERCURIC NITRATE	10.900	27.100	20.333	8.423	3
	OVER-ALL	0.100	29.500	10.475	8.149	20
CO	ATOMIC ABSORPTION, DIRECT, AIR	130.000	190.000	158.200	26.100	5
	EMISSION, IC PLASMA	120.000	140.000	132.800	8.075	5
	OVER-ALL	110.000	190.000	142.846	23.540	13
CR TOT	ATOMIC ABSORPTION, DIRECT, AIR	10.000	47.000	31.600	16.257	5
	ATOMIC ABSORPTION, FLAMELESS	3.000	16.000	9.667	4.153	9
	EMISSION, IC PLASMA	20.000	40.000	25.600	8.764	5
	OVER-ALL	3.000	116.000	20.650	13.926	20
CU	ATOMIC ABSORPTION, DIRECT, AIR	510.000	6180.000	5052.000	146.272	10
	EMISSION, IC PLASMA	4570.000	5500.000	5159.091	268.308	11

Table 15. Statistics by method for standard reference sample AMW2

Determination	Method	Range: from	to	Mean	Standard Deviation	N
CU	_OVER-ALL_	510.000 -	6180.000	5112.500	214.278	24
F	ION CHROMATOGRAPHY	2.600 -	4.600	4.550	0.224	
	ION SELECTIVE ELECTRODE	0.300 -	2.700	1.383	1.028	6
	OTHER	1.400 -	3.900	2.967	1.365	3
	OVER-ALL	0.300 -	4.600	2.500	1.515	14
FE	ATOMIC ABSORPTION, DIRECT, AIR	15.000 -	190.000	138.473	13.595	15
	EMISSION, IC PLASMA	1.600 -	157.000	147.710	5.247	10
	OVER-ALL	1.600 -	190.000	142.035	11.591	26
HG	ATOMIC ABSORPTION, FLAMELESS, COLD VAPOR	0.120 -	2.600	1.323	1.251	6
	OVER-ALL	0.080 -	2.800	1.142	1.093	10
LI	ATOMIC ABSORPTION, DIRECT, AIR	35.000 -	50.000	41.667	7.638	3
	EMISSION, IC PLASMA	46.000 -	62.000	52.600	8.173	5
	OVER-ALL	35.000 -	80.000	50.300	13.945	10
MN	ATOMIC ABSORPTION, DIRECT, AIR	7.400 -	115.000	75.953	30.760	17
	EMISSION, IC PLASMA	84.200 -	96.400	91.000	4.389	11
	OVER-ALL	7.400 -	115.000	83.804	4.373	23
MO	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	-		91.000	1.342	
	EMISSION, IC PLASMA	30.000 -	180.000	89.333	79.753	3
	OVER-ALL	1.000 -	180.000	67.800	68.156	5
NI	ATOMIC ABSORPTION, DIRECT, AIR	150.000 -	600.000	251.000	24.698	10
	ATOMIC ABSORPTION, FLAMELESS	210.000 -	290.000	240.000	43.589	3
	NOT REPORTED	200.000 -	660.000	380.000	245.764	3
	OTHER	210.000 -	310.000	260.000	40.825	4
	OVER-ALL	60.000 -	660.000	245.000	38.320	20
NO3-N	COLORIMETRIC, BRUCINE	0.000 -	4.550	4.375	0.418	
	COLORIMETRIC, CADMIUM REDUCTION, DIAZOTIZATION	0.000 -	0.240	0.126	0.103	5
	OVER-ALL	0.000 -	4.550	1.193	1.813	10
PB	ATOMIC ABSORPTION, DIRECT, AIR	20.000 -	130.000	59.667	45.152	6
	ATOMIC ABSORPTION, FLAMELESS	5.000 -	86.000	35.714	27.681	7
	EMISSION, IC PLASMA	94.000 -	415.000	254.500	12.669	
	OVER-ALL	5.000 -	415.000	60.889	52.801	18
PH	ELECTROMETRIC	2.270 -	2.650	2.480	0.091	24
	OVER-ALL	2.270 -	2.670	2.494	0.099	26
SE	ATOMIC ABSORPTION, FLAMELESS	1.000 -	10.800	5.900	2.214	
	ATOMIC ABSORPTION, HYDRIDE	0.100 -	22.100	0.200	0.316	
	OVER-ALL	0.100 -	509.000	6.860	9.629	5
SIO2	ATOMIC ABSORPTION, DIRECT, NITROUS OXIDE	45.000 -	53.000	48.600	4.099	5
	EMISSION, IC PLASMA	42.000 -	50.000	46.750	2.435	8

Table 16. Statistics by method for standard reference sample SMW2

Determination	Method	Range: from	to	Mean	Standard Deviation	N
SIO2	_OVER-ALL_	32.000	- 60.000	46.750	6.051	20
SO4	COLORIMETRIC, METHYL THYMOL BLUE	1400.000	- 2160.000	1767.500	234.262	8
	GRAVIMETRIC, BARIUM SULFATE	1700.000	- 2050.000	2035.000	3.873	
	TURBIDIMETRIC, BARIUM SULFATE	20.000	- 2500.000	1972.000	75.299	5
	OVER-ALL	20.000	- 2500.000	1927.619	233.729	21
SP. COND.	DIRECT READING INSTRUMENT	3670.000	- 4160.000	4052.000	65.345	5
	WHEATSTONE BRIDGE-TYPE CONDUCTIVITY METER	3480.000	- 6370.000	3796.571	273.461	7
	OVER-ALL	3480.000	- 9240.000	3887.857	232.749	14
SR	ATOMIC ABSORPTION, DIRECT, AIR	1500.000	- 1610.000	1605.000	2.236	
	EMISSION, IC PLASMA	1500.000	- 1700.000	1573.333	78.401	6
	OVER-ALL	1100.000	- 1700.000	1572.000	65.115	10
ZN	ATOMIC ABSORPTION, DIRECT, AIR	0.900	- 47.000	35.067	17.008	15
	EMISSION, IC PLASMA	40.700	- 48.400	45.210	2.368	10
	OVER-ALL	0.900	- 48.400	38.904	13.596	28