

(Example of a Chemistry Report)

Nebraska Health and Human Services
Public Health Laboratory
3701 South 14th Street
Lincoln, NE 68502
(402) 471-2122
(402) 471-2080 (Fax)

Laboratory Report Printed on: (1) Month-Date-Year

(2) NE3111054
(3) NONAME, VILLAGE of
(4) JOHN DOE
4123 AVE E.
NONAME, NE 69155

(5) Laboratory Analysis For: Arsenic
(6) Purpose of the test and/or sample comments

(7) Laboratory Numer: P164952-6 (11) Date Collected: 30-Aug-2000 12:00 PM
(8) Sampled By: John Doe (12) Date Received: 31-Aug-2000
(9) Location: Kitchen Sink
(10) Sample Point: 950

See reverse side of report for description of acronyms and data qualifiers
For inquiries on result interpretation call (402) 471-2541.

(13) Parameters	(21) Result	(20) Qual	(14) Report Level	(15) Units	(16) Method	(17) Prep Date	(18) Analysis Date	(19) Analyst
ARSENIC	6.73		2	µg/1	200.8		09/07/02	CC

(22) Analysis Report Remarks:

Use the following pages to understand how to read and interpret your report.

1. On the top of your report will be the **date the report was printed**.
2. Your **project name or number** will appear on the second line of the report, just above your name and address. If this **report is for a public water system** the project # is the NE31# or NE32# that has been assigned by the DHHS, Division of Public Health. If this **report is for a private individual** the project name consists of the individuals last name followed by the first three letters of the first name. If this **report is for a private company**, the project name consists of an abbreviation of the company name.
3. The **name and address of the client** will appear here on each report.
4. If this is for a public water system, the **name of the water operator** will appear here.
5. After the name and address you will notice a box that says: **Results for:** There should be some text after this to denote what the testing result is for. Such as Private T/E Coli, or SDWIS T/E Coli. T/E stands for total coliform and E.coli.
6. Under the results for box, if it applies, you will see an indication as to the **purpose of the test**. Such as Initial Repeat, Special Request, Replacement or Monthly Routine Month 11 Week 4.

7. The **laboratory number** is the P# assigned to the request before the sample kit goes out to you. We can track the sample activity of each sample by using this number. This number is unique to this one sample.
8. If a **sample collector** is identified on the sample request form, it will appear here.
9. If the **location of sample collection** is indicated on the sample request form, it will appear here.
10. The **Sample Point** will either be blank or contain the #950. This # comes from the Public Water Monitoring Program staff and is a code used by the program's computer data system.
11. The **date and time the sample was collected** will appear here, as long as it was recorded by the sample collector on the sample request form.
12. The **date the sample was received** at the laboratory will appear here.
13. Under **Parameters** will be listed the type of tests that were performed for this sample. Such as E. coli, Total Coliform, Nitrate.
14. **Report Limits** appear here. This indicates the lowest level of an analyte a test can detect. (It will not appear on the bacti report).
15. **Units** for the results appear here. Cfu/100ml stands for colony forming units per 100 milliliters of sample.
16. Under **Method** will be listed the method for each Parameter listed.
17. If the sample needed to be pretreated such as distillation, digestion, extraction, filtration, etc., before testing could be performed. The **Prep Date** will appear here.
18. The **Analysis Date** will tell you what date the test was performed.
19. The initials of the **Analyst** that performed the test or the initials of the contract lab that performed the test will appear here.
20. All qualifiers for the tests performed will appear under **Qual**. See the back of the report for the explanation of all qualifiers.
21. The result for each parameter (test) will be listed under **Results**. Such results could be expressed as text or as a numerical value. Examples of such results could appear as follows: E. coli absent and Total Coliform present, or Nitrate 2.0.

ACRONYMS

MCL - Maximum Containment Level-----The concentration of the analyte which has been determined to put the public health at risk. The EPA sets standards. Concentrations below this level are considered acceptable.

AL - Action Level-----The concentration of the analyte which has been determined to put the public health at risk. The EPA sets standards. Concentrations below this level are considered acceptable.

RL - Reporting Limit-----The lowest amount of the analyte that can be accurately reported by the method used.

Analyst-----The initials of the laboratory staff member who performed the test or contract lab used.

<RL - Less than Reporting Limit

NG - Not Given-----The information was not supplied by the collector on the request form or the information was not readable.

ND or NT-----Not determined or not tested.

DATA QUALIFIERS

- A** - The Value given is an average value; determined by analyzing aliquots of the same sample two or more times.
- B** - The results are based upon colony counts outside the optimum range.
- C** - The result given is a calculated value, it was not determined by direct analysis.
- D** - Unable to Count (UTC) due to confluent growth of mold or bacteria.
- E** - Indication of possible interference.
- F** - The sample was received in an improper condition (container, temperature, preservative, sample container broken, paperwork discrepancies, air bubbles, insufficient amount of sample to analyze, excess turbidity, chlorine smell, etc.).
- H** - The sample was beyond the maximum holding time when received by the laboratory. It was therefore not analyzed.
- J** - The analyte was positively identified or below the report level. The associated numerical value is an estimated quantity.
- K** - The actual value is less than the value given.
- L** - The actual value is greater than the value given.
- M** - The analysis was inconclusive due to matrix interference. The sample needs to be recollected.
- P** - Too numerous to count (TNTC). The microbial growth was too heavy to count the individual colonies. The actual value is greater than the value given.
- Q** - The sample was beyond the maximum holding time prior to analysis.
- R** - The sample was delivered to the lab, but due to laboratory accident, it was unable to be analyzed.
- S** - Not all the associated quality control criteria were met for this analyte.

*Name and addresses of contracted labs appear on the front of the report.

Maximum Contaminant Levels or Action Levels for the Common Analytes

If your result is below the following levels, your sample is considered safe for that analyte. Please call the Drinking water program at (402) 471-2541, with questions regarding further testing. If additional test kits are needed please call the Laboratory at (402) 471-3935.

Antimony 6 µg/L Cadmium 5 µg/L Fluoride 4 mg/L Nickel 100 µg/L Sodium 500 mg/L Chromium 100 µg/L

Iron 300 µg/L Thallium 2 µg/L Barium 2000 µg/L Copper 1300 µg/L Lead 15 µg/L Beryllium 4 µg/L Cyanide 0.2 mg/L

Mercury 2 µg/L Selenium 50 µg/L Nitrite 1 mg/L Nitrate+Nitrite(as N) 10 mg/L Arsenic 50 µg/L (10µg/L effective 2006)
