

2013 Consumer Confidence Report

For
The River Community Water System

We're very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our water source is supplied from a well that is located at the River Community.

This report shows our water quality and what it means.

If you have any questions about this report or concerning your water utility, please contact [Albert](#) at the River Community, (626) 910-1202. We want our valued customers to be informed about their water utility.

The River Community routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of **January 1st to December 31st, 2013**. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) or Nanograms per liter (nanograms/l) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) or Picograms per liter (picograms/l) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Regulatory Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - (mandatory language) A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - (mandatory language) The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - (mandatory language) The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Public Health Goal or PHG - (mandatory language) The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Distribution System Microbiological Quality of the Water

Monitoring for bacteriological constituents in the distribution system is required. This monitoring must be done every month to verify that the system is free from total coliform bacteria.

Minimum number of tests for the presence of total coliform bacteria required per year. 12

Number of tests for the presence for total coliform bacteria conducted during the last year. 12

Number of routine and repeat test samples, which were found to contain total coliform bacteria during the year. 1

Number of routine and repeat test samples, which were found to contain fecal coliform / E. coli bacteria during the year. 0

Contaminant	Level Detected	Violation Y/N	MCL	PHG	MCLG	Likely Source of Contamination
1. Total Coliform Bacteria	ND	N	2	N/A	0	Naturally present in the environment
2. Fecal Coliform and <i>E.coli</i>	ND	N	1	N/A	0	Human and animal waste

REGULATED CONTAMINANTS WITH SECONDARY MCL

Contaminant	Violation Y/N	Level Detected	Range	Unit Measurement	MCL	PHG	MCLG	Likely Source of Contamination
Aluminum **				ppb	200	N/A	N/A	Erosion of natural deposits; residual from some surface water treatment processes
Color **				Units	15 units	N/A	N/A	Naturally-occurring organic materials
Corrosivity **				Non-corrosive	Non-corrosive	N/A	N/A	Natural or industrially-influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Foaming Agents ** (MBAS)				ppb	500	N/A	N/A	Municipal and industrial waste discharges
Iron **				ppb	300	N/A	N/A	Leaching from natural deposits; industrial wastes
Manganese **				ppb	50	N/A	N/A	Leaching from natural deposits
Methyl-tert-butylether (MTBE)				ppb	5	N/A	N/A	Leaching underground storage tanks; discharge from petroleum and chemical factories
Odor—Threshold**				Units	5 units	N/A	N/A	Naturally-occurring organic material
Silver **				ppb	100	N/A	N/A	Industrial discharge
Thiobencarb				ppb	1	N/A	N/A	Runoff/leaching from rice herbicide
Turbidity **				Units	5 units	N/A	N/A	Soil runoff
Zinc **				ppm	5	N/A	N/A	Runoff/leaching from natural deposits; industrial wastes
Total dissolved solids ** (TDS)	N	734	570 - 790	ppm	1000	N/A	N/A	Runoff/leaching from natural deposits
Specific conductance **				micromhos	1600	N/A	N/A	Substances that form ions when in water; seawater influence
Chloride **				ppm	500	N/A	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate **	N	350	300 - 380	ppm	500	N/A	N/A	Runoff/leaching from natural deposits; industrial wastes

**** These constituents should not be exceeded in the water supplied, because they may adversely affect the taste, odor or the appearance of the drinking water. They are not considered a health hazard if they do.**

TEST RESULTS

Contaminant	Violation Y/N	Level Detected	Range	Unit Measurement	MCL	PHG	MCLG	Likely Source of Contamination
3. Turbidity					TT	N/A	N/A	Soil runoff

Radioactive Contaminants								
4. Beta Activity, Gross				pCi/L	50	N/A	N/A	Decay of natural and man-made deposits
5. Alpha Activity, Gross				pCi/L	15	N/A	N/A	Erosion of natural deposits
6. Radium 226 & 228 (total)				pCi/L	5	N/A	N/A	Erosion of natural deposits
7. Strontium 90				pCi/L	8	N/A	N/A	Decay of natural and man made deposits
8. Tritium				pCi/L	20,000	N/A	N/A	Decay of natural and man made deposits
9. Uranium				pCi/L	20	N/A	N/A	Erosion of natural deposits

Inorganic Contaminants								
10. Aluminum				ppm	1	N/A	N/A	Erosion of natural deposits; residue from some surface water treatment processes
11. Antimony				ppb	6	20	N/A	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
12. Arsenic				ppb	50	N/A	N/A	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
13. Asbestos				MFL	7	N/A	7	Internal corrosion of asbestos cement water mains; erosion of natural deposits
14. Barium				ppm	1	N/A	2	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
15. Beryllium				ppb	4	N/A	4	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, and defense industries
16. Cadmium				ppb	5	.07	N/A	Internal corrosion of galvanized pipes; erosion of natural deposits; discharge from electroplating and industrial chemical factories and metal refineries; runoff from waste batteries and paints
17. Chromium				ppb	50	2.5	N/A	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
18. Copper				ppm	AL=1.3	0.17	N/A	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
19. Cyanide				ppb	200	150	N/A	Discharge from steel/metal, plastic and fertilizer factories
20. Fluoride				ppm	2	1	N/A	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
21. Lead				ppb	AL=15	2	N/A	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
22. Mercury (inorganic)				ppb	2	1.2	N/A	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
23. Nickel				ppb	100	N/A	100	Erosion of natural deposits; discharge from metal factories
24. Nitrate (as Nitrogen)	N	ND	ND - 0.30	ppm	10	10	N/A	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
25. Nitrite (as Nitrogen)				ppm	1	1	N/A	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
26. Nitrate (as NO3)				ppm	45	45	N/A	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

27. Selenium				ppb	50	N/A	50	Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
28. Thallium				ppb	2	0.1	N/A	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

Synthetic Organic Contaminants including Pesticides and Herbicides								
29. 2,4-D				ppb	70	70	N/A	Runoff from herbicide used on row crops
30. 2,4,5-TP (Silvex)				ppb	50	N/A	50	Residue of banned herbicide
31. Acrylamide					TT	N/A	0	Added to water during sewage/wastewater treatment
32. Alachlor				ppb	2	4	N/A	Runoff from herbicide used on row crops
33. Atrazine				ppb	3	0.15	N/A	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
34. Bentazon				ppb	18	200	N/A	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
35. Benzo(a)pyrene (PAH)				ppt	200	4	N/A	Leaching from linings of water storage tanks and distribution mains
36. Carbofuran				ppb	18	N/A	40	Leaching of soil fumigant used on rice and alfalfa, and grape vineyards
37. Chlordane				ppt	100	30	N/A	Residue of banned insecticides
38. Dalapon				ppb	200	790	N/A	Runoff from herbicide used on rights-of-ways, and crops and landscape maintenance
39. Di(2-ethylhexyl) adipate				ppb	400	N/A	400	Discharge from chemical factories
40. Di(2-ethylhexyl) phthalate				ppb	4	12	N/A	Discharge from rubber and chemical factories; inert ingredient in pesticides
41. Dibromochloropropane (DBCP)				ppt	200	1.7	N/A	Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes, and tree fruit
42. Dinoseb				ppb	7	14	N/A	Runoff from herbicide used on soybeans, vegetables, and fruits
43. Diquat				ppb	20	N/A	20	Runoff from herbicide use for terrestrial and aquatic weeds
44. Dioxin [2,3,7,8-TCDD]				picograms/l	30	N/A	0	Emissions from waste incineration and other combustion; discharge from chemical factories
45. Endothall				ppb	100	580	N/A	Runoff from herbicide use for terrestrial and aquatic weeds; defoliant
46. Endrin				ppb	2	1.8	N/A	Residue of banned insecticide and rodenticide
47. Epichlorohydrin					TT	N/A	0	Discharge from industrial chemical factories; impurity of some water treatment chemicals
48. Ethylene dibromide (EDB)				ppt	50	N/A	0	Discharge from petroleum refineries; underground gas tank leaks; banned nematocide that may still be present in soils due to runoff and leaching from grain and fruit crops
49. Glyphosate				ppb	700	1000	N/A	Runoff from herbicide use
50. Heptachlor				ppt	10	8	N/A	Residue of banned insecticide

51. Heptachlor epoxide				ppt	10	6	N/A	Breakdown of heptachlor
52. Hexachlorobenzene				ppb	1	N/A	0	Discharge from metal refineries and agricultural chemical factories and byproduct of chlorination reactions in wastewater
53. Hexachlorocyclopentadiene				ppb	50	50	N/A	Discharge from chemical factories
54. Lindane				ppt	200	32	N/A	Runoff/leaching from insecticide used on cattle, lumber, gardens
55. Methoxychlor				ppb	40	30	N/A	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
56. Molinate				ppb	20	N/A	N/A	Runoff/leaching from herbicide used on rice
57. Oxamyl [Vydate]				ppb	200	50	N/A	Runoff/leaching from insecticide used on apples, potatoes and tomatoes
58. PCBs [Polychlorinated biphenyls]				ppt	500	N/A	0	Runoff from landfills; discharge of waste chemicals
59. Pentachlorophenol				ppb	1	0.4	0	Discharge from wood preserving factories
60. Picloram				ppb	500	500	N/A	Herbicide runoff
61. Simazine				ppb	4	N/A	4	Herbicide runoff
62. Thiobencarb				ppb	70	N/A	N/A	Runoff/leaching from herbicide used on rice
63. Toxaphene				ppb	3	N/A	0	Runoff/leaching from insecticide used on cotton and cattle

Volatile Organic Contaminants

64. Benzene				ppb	1	N/A	0	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
65. Carbon tetrachloride				ppt	500	N/A	0	Discharge from chemical plants and other industrial activities
66. 1,2-Dichlorobenzene				ppb	600	600	N/A	Discharge from industrial chemical factories
67. 1,4-Dichlorobenzene				ppb	5	6	N/A	Discharge from industrial chemical factories
68. 1,1 - Dichloroethane				ppb	5	N/A	N/A	Extraction and degreasing solvent; used in the manufacture of pharmaceuticals, stone, clay, and glass products; fumigant
69. 1,2 - Dichloroethane				ppt	500	400	N/A	Discharge from industrial chemical factories
70. 1,1 - Dichloroethylene				ppb	6	10	N/A	Discharge from industrial chemical factories
71. cis-1,2-ichloroethylene				ppb	6	N/A	70	Discharge from industrial chemical factories
72. trans - 1,2 - Dichloroethylene				ppb	10	N/A	100	Discharge from industrial chemical factories; minor biodegradation byproduct of TCE and PCE groundwater contamination
73. Dichloromethane				ppb	5	N/A	0	Discharge from pharmaceutical and chemical factories; insecticide
74. 1,2-Dichloropropane				ppb	5	0.5	N/A	Discharge from industrial chemical factories; primary component of some fumigants
75. 1,3 - Dichloropropene				ppt	500	200	N/A	Runoff/leaching from nematocide used on croplands
76. Ethylbenzene				ppb	700	300	N/A	Discharge from petroleum refineries; industrial chemical factories
77. Monochlorobenzene				ppb	70	N/A	100	Discharge from industrial and agricultural chemical factories and drycleaning facilities

78. Styrene				ppb	100	N/A	100	Discharge from rubber and plastic factories; leaching from landfills
79. 1,1,2,2 – Tetrachloroethane				ppb	1	N/A	N/A	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
80. Tetrachloroethylene (PCE)				ppb	5	N/A	0	Leaching from PVC pipes; discharge from factories, dry cleaners and auto shops (metal degreaser)
81. 1,2,4 – Trichlorobenzene				ppb	70	5	N/A	Discharge from textile-finishing factories
82. 1,1,1 - Trichloroethane				ppb	200	N/A	200	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
83. 1,1,2 -Trichloroethane				ppb	5	N/A	3	Discharge from industrial chemical factories
84. Trichlorofluoromethane				ppb	150	700	N/A	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
85. 1,1,2 – Trichloro 1,2,2- trifluoroethane				ppm	1.2	4	N/A	Discharge from metal degreasing site and other factories; dry cleaning solvent; refrigerant
86. Trichloroethylene (TCE)				ppb	5	.8	N/A	Discharge from metal degreasing sites and other factories
87. TTHM [Total trihalomethanes]	N	11.2	2.7 – 12.0	ppb	100	N/A	0	By-product of drinking water chlorination
88. Toluene				ppb	150	150	N/A	Discharge from petroleum and chemical factories; underground gas tank leaks
89. Vinyl Chloride				ppt	500	N/A	0	Leaching from PVC piping; discharge from plastics factories; biodegradation byproduct of TCE and PCE groundwater contamination
90. Xylenes				ppm	1.75	1.8	N/A	Discharge from petroleum and chemical factories; fuel solvent

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

We constantly monitor for various contaminants in the water supply to meet all regulatory requirements.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

MCL's are set at very stringent levels. To understand the risk of possible health effects described for regulated contaminants, you should know that a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Copies of the test results are available by request by contacting [Albert](#) at the River Community, (626) 910-1202.