

Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA					
Microbiological Contaminants (complete if bacteria detected)	Highest No. of Detections	No. of months in violation	MCL	MCLG	Typical Source of Bacteria
Total Coliform Bacteria	(In a mo.) 0	0	More than 1 sample in a month with a detection	0	Naturally present in the environment
Fecal Coliform or <i>E. coli</i>	(In the year) 0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i>	0	Human and animal fecal waste

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER						
Lead and Copper (2008) (complete if lead or copper detected in the last sample set)	No. of samples collected	90 th percentile level detected	No. sites exceeding AL	AL	PHG	Typical Source of Contaminant
Lead (ppb)	10	N/D	None	15	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	10	N/D	None	1.3	0.17	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm) Surface Water	11-18-10	3.0	N/A	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm) Surface Water	11-18-10	16	N/A	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring
Sodium (ppm) **Well Water	8-20-09	23	N/A	none	none	Salt present in the water and is generally naturally occurring
Hardness (ppm) **Well Water	8-20-09	74	N/A	none	none	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

*Any violation of an MC or AL is asterisked. Additional information regarding the violation is provided later in this report.

** The District's well water is treated as raw water and is sent through the treatment plant before being considered potable.

TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL [MRDL]	PHG (MCLG) [MRDLG]	Typical Source of Contaminant
Chlorine (Treated Water)	01-01-10 to 12-31-10	1.56	0.62 – 1.56	4.0 (as Cl ₂)	4.0 (as Cl ₂)	Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.

TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Manganese (Well Water)	8-20-09	18	N/A	50	N/A	Leaching from natural deposits
Chloride (Well Water)	8-20-09	3.44	N/A	500	N/A	Runoff/leaching from natural deposits; seawater influence
Sulfate	8-20-09	43	N/A	500	N/A	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (E.C.) umhos/cm (Surface Water)	11-18-10	66	N/A	1600	N/A	Substances that form Ions when in water: Seawater influence
Specific Conductance (E.C.) umhos/cm (Well Water)	8-20-09	416	N/A	1600	N/A	Substances that form Ions when in water: Seawater influence
Total Dissolved Solids (TDS) (Surface Water)	11-18-10	40	N/A	1000	N/A	Runoff/leaching from natural deposits
Total Dissolved Solids (TDS) (Well Water)	8-20-09	238	N/A	1000	N/A	Runoff/leaching from natural deposits

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS

Chemical or Constituent (and reporting units)	Sample Date	Level Detected	Range of Detections	Notification Level	Health Effects Language
N/D	N/A	N/A	N/A	N/A	

*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 7 - SAMPLING RESULTS FOR DISINFECTION BYPRODUCTS

Chemical or Constituent	Sample Date	Level Detected	M.C.L. R.A.A.	Typical Source of Contaminant	Health Effects Language
TTHMs* (Total Trihalomethanes)	02/18/2010	54.5	80.0 ppb	By-product of drinking water Chlorination.	Some people who drink water containing trihalomethanes in excess of the M.C.L. over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.
	05/06/2010	62.5			
	08/05/2010	48.3			
	<u>11/04/2010</u>	<u>56.7</u>			
	R.A.A.	55.5 ppb			
HAA5* (Haloacetic Acids)	02/18/2010	29.4	60.0 ppb	By-product of drinking water Disinfection.	Some people who drink water containing halacetic acids in excess of the M.C.L. over many years may have an increased risk of getting cancer.
	05/06/2010	19.6			
	08/05/2010	20.5			
	<u>11/04/2010</u>	<u>12.5</u>			
	R.A.A.	20.4 ppb			

As of June 2010, the Running Annual Average (R.R.A.) for both TTHM’s and HAA5’s have been below the MCL for 8 consecutive quarters.

Additional General Information on Drinking Water

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 USEPA’s Safe Drinking Water Hotline (1-800-426-4791).

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. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

For Systems Providing Surface Water as a Source of Drinking Water

(Refer to page 1, "Type of water source in use" to see if your source of water is surface water or groundwater)

TABLE 8 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES	
Treatment Technique ^(a) (Type of approved filtration technology used)	Conventional Surface Water Treatment
Turbidity Performance Standards ^(b) (that must be met through the water treatment process)	Turbidity of the filtered water must: 1 – Be less than or equal to .3 NTU in 95% of measurements in a month. 2 – Not exceed 1.0 NTU for more than eight consecutive hours. 3 – Not exceed 5.0 NTU at any time.
Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.	96.8%
Highest single turbidity measurement during the year	1.32 April
Number of violations of any surface water treatment requirements	None

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

* Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided earlier in this report.



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***** IMPORTANT INFORMATION ***
INCLUDES CONSUMER CONFIDENCE REPORT - WATER QUALITY**