

Yellow Water Housing 2012 Water Quality Report

TEST RESULTS TABLE – YELLOW WATER HOUSING

Stage 1 Disinfection By-Products (TTHMs/HAA5s/Chlorine Residual)

For chlorine, the level detected is the the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected. The range of results is the range of results of all the individual samples collected during the past year.

For haloacetic acids or TTHM, the level detected is the average of all samples taken during the year if the system monitors less frequently than quarterly. Range of Results is the range of individual sample results (lowest to highest) for all monitoring locations.

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCLG or MRDL G	MC L or MR DL	Likely Source of Contamination
Chlorine Residual (ppm)	Monthly 2012	N	2.36	1.56 – 3.2	4	4.0	Water additive used to control microbes
Total Trihalomethanes (TTHM) (ppb)	06 & 09/2012	N	18.46	8.62 - 28.29	N/A	80	By-product of drinking water chlorination
Haloacetic Acids (HAA5) (ppb)	06 & 09/2012	N	7.28	5.07 - 9.48	N/A	60	By-product of drinking water chlorination

For Chlorine, the Level Detected is the annual average of quarterly averages.

Inorganic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo./yr.)	MCL Violation Y/N	Level Detected	Range of Results	MCL G	MC L	Likely Source of Contamination
Nitrate (as Nitrogen) (ppm)	01 & 08/2012	N	0.23	ND - 0.23	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Barium (ppm)	08/12	N	0.013	N/A	N/A	2.0	Erosion of natural deposits; epoxy sealants
Fluoride (ppm)	08/12	N	0.43	N/A	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Sodium (ppm)	08/12	N	9.3	N/A	N/A	160	Salt water intrusion, leaching from soil

Lead and Copper (Tap Water)							
Contaminant and Unit of Measurement	Dates of sampling (mo./yr .)	AL Violation Y/N	90th Percentile Result	No. of sampling sites exceeding the AL	MCL G	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	08-09/11	N	0.036	0 of 30 sites	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	08-09/11	N	3.4	0 of 30 sites	0	15	Corrosion of household plumbing systems, erosion of natural deposits