

**CITY OF BLACKSHEAR
2016 WATER QUALITY DATA
WSID: GA 2290000**

The table below lists all the drinking water contaminants that have been detected in your drinking water. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The data presented in this table is from testing done during the year noted. The Federal Environmental Protection Agency (EPA) and the Georgia Department of Natural Resources Environmental Protection Division (EPD) require monitoring for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year.

DETECTED INORGANIC CONTAMINANTS TABLE								
PARAMETER	UNITS	MCL [SMCL]	MCLG	City of Blackshear Water System Results	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
							No/Yes	
Barium	ppm	2	2	0.078	0.065 to 0.078	2016	No	Erosion of natural deposits
Chlorine	ppm	4	4	1.12	0.04 to 3.07	2016	No	Water additive used for control of microbes
Fluoride	ppm	4 [2]	4	0.84	0.14 to 1.12	2016	No	Erosion of natural deposits; promotes strong teeth

DETECTED ORGANIC CONTAMINANTS TABLE								
PARAMETER	UNITS	MCL	MCLG	City of Blackshear Water System Results	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
							No/Yes	
Haloacetic Acids	ug/l	60	**	9.4	0 to 4.4	2016	No	By product of drinking water disinfection
TTHMs	ug/l	80	NA	45.3	7.4 to 17.0	2016	No	By product of drinking water disinfection

OTHER DETECTED UNREGULATED CONTAMINANTS TABLE								
PARAMETER	UNITS	MCL [SMCL]	MCLG	City of Blackshear Water System Results	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
							No/Yes	
Sodium	mg/l	**	**	36	33 to 36	2016	No	Erosion of natural deposits

LEAD AND COPPER MONITORING RESULTS								
PARAMETER	UNITS	Action Level	MCLG	City of Blackshear 90th Percentile	# of sample sites above Action Level	Sample Date	Violation	Typical Source of Contaminant
							No/Yes	
Lead	ppb	15	0	1.7	0	2016	No	Corrosion of household plumbing
Copper	ppm	1.3	1.3	0.110	0	2016	No	Corrosion of household plumbing

MICROBIOLOGICAL MONITORING RESULTS								
BIOLOGICAL PARAMETERS	MCL	MCLG	City of Blackshear Water System Results	Positive Sample Date	Sample Year	Violation	Typical Source of Contaminant	
								Number of Detections
Presence or Absence of bacteria in sample								
Total Coliform	0	0	0	NA	2016	No	Naturally present in the environment	
E. coli	0	0	0	NA	2016	No	Human and animal fecal waste	

RADIONUCLIDES TABLE								
PARAMETER	UNITS	MCL	MCLG	City of Blackshear Water System Results	Range of Detections	Sample Date	Violation	Typical Source of Contaminant
							No/Yes	
Alpha emitters	pCi/L	15*	0	<3	NA	2016	No	Erosion of natural deposits
Radium 226	pCi/L	5*	0	<1	NA	2016	No	Erosion of natural deposits
Radium 228	pCi/L	5*	0	<1	NA	2016	No	Erosion of natural deposits

* The MCL for alpha emitters is 4 mrem/year. EPA considers 15 pCi/L to be the level of concern for alpha emitters including Radium 226 and/or 5 pCi/L for a combined Radium 226 and Radium 228.

FTM = Failure to Monitor NA = Not Applicable *** Parameters, values and/or sources vary.
** No established MCL, SMCL or MCLG M = Monitored through State analysis and facility daily R = Resampled, results below action level or not detected