

NOTE: The data below represents drinking water samples that were collected on Feb 7, 2014 by EPA sampling teams. Water sample measurement is in micrograms per liter (ug/L) for drinking water samples. The data is being compared to EPA and State Maximum Contaminant Levels (MCLs) and other health based levels. To date, there have been no samples that have exceeded drinking water levels. This sample represents the same water that is being delivered to your tap. Specific qualifiers and footnotes are listed below the summary table.

Analyte	Human Health Screening Standard for Drinking Water Samples ¹		Clarksville WTP		Danville WTP		South Boston WTP	
Sample Information								
Sample ID	-		EDEN-CLARKSVILLEWTP-FINISH-20140207		EDEN-DANVILLEWTP-FINISH-20140207		EDEN-SOBOSWTP-FINISH-20140207	
Date	-		2/7/2014		2/7/2014		2/7/2014	
Time	-		1000		1525		1245	
Status	-		Validated Stage 2A		Validated Stage 2A		Validated Stage 2A	
Type	-		Drinking Water ⁵		Drinking Water ⁵		Drinking Water ⁵	
Water Quality								
Temperature	-		-		-		-	
Dissolved Oxygen	-		-		-		-	
Specific Conductance	-		-		-		-	
pH	-		-		-		-	
Turbidity	-		-		-		-	
Dissolved metals								
Aluminum	47,000	µg/L	212	µg/L	25U	µg/L	6.4J	µg/L
Antimony	6	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Arsenic	5	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Barium	2,000	µg/L	26.5	µg/L	27.2	µg/L	26.2	µg/L
Beryllium	4	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Boron	9,300	µg/L	68.3	µg/L	100	µg/L	83.3	µg/L
Cadmium	5	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Calcium	Essential nutrient		9,760	µg/L	7,320	µg/L	7,480	µg/L
Chromium	3	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Cobalt	14	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Copper	1,300	µg/L	0.56J	µg/L	1.0U	µg/L	1.6	µg/L
Iron	33,000	µg/L	50U	µg/L	50U	µg/L	50U	µg/L
Lead	15	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Magnesium	Essential nutrient		3,610	µg/L	2,620	µg/L	2,700	µg/L
Manganese	970	µg/L	25.9	µg/L	51.2	µg/L	1.2J	µg/L
Mercury	2	µg/L	0.2U	µg/L	0.2U	µg/L	0.2U	µg/L
Molybdenum	78	µg/L	10U	µg/L	10U	µg/L	10U	µg/L
Nickel	910	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Potassium	Essential nutrient		1,930	µg/L	1,640	µg/L	1,680	µg/L
Selenium	50	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Silica	-	-	13,400	µg/L	15,100	µg/L	14,300	µg/L
Silver	210	µg/L	0.10U	µg/L	0.10U	µg/L	0.10U	µg/L
Sodium	Essential nutrient		11,400	µg/L	6,120	µg/L	33,000	µg/L
Thallium	0.5	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Vanadium	190	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Zinc	14,000	µg/L	5.6	µg/L	3.3J	µg/L	29.9	µg/L
Total Suspended Solids SM 2540D								
Total Suspended Solids	-	-	2.7U	mg/L	2.7U	mg/L	2.7U	mg/L

Analyte	Human Health Screening Standard for Drinking Water Samples ¹		Clarksville WTP		Danville WTP		South Boston WTP	
Total Metals		EPA 200.7/200.8/245.1						
Aluminum	47,000	µg/L	227	µg/L	23.2J	µg/L	11.6J	µg/L
Antimony	6	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Arsenic	5	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Barium	2,000	µg/L	30.0	µg/L	29.3	µg/L	30.7	µg/L
Beryllium	4	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Boron	-	-	67.9	µg/L	98.6	µg/L	82.6	µg/L
Cadmium	5	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Calcium	Essential nutrient		9,640	µg/L	7,160	µg/L	7,400	µg/L
Chromium	3	µg/L	1.0U	µg/L	1.0U	µg/L	0.60J	µg/L
Cobalt	14	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Copper	1,300	µg/L	0.66J	µg/L	1.0U	µg/L	1.5	µg/L
Iron	33,000	µg/L	50U	µg/L	50U	µg/L	50U	µg/L
Lead	15	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Magnesium	Essential nutrient		3,600	µg/L	2,540	µg/L	2,660	µg/L
Manganese	970	µg/L	26.2	µg/L	51.3	µg/L	1.0J	µg/L
Mercury	2	µg/L	0.2U	µg/L	0.2U	µg/L	0.2U	µg/L
Molybdenum	78	µg/L	10U	µg/L	10U	µg/L	10U	µg/L
Nickel	910	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Potassium	Essential nutrient		1,920	µg/L	1,610	µg/L	1,660	µg/L
Selenium	50	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Silica	-	-	13,500	µg/L	14,900	µg/L	14,400	µg/L
Silver	210	µg/L	0.10U	µg/L	0.10U	µg/L	0.10U	µg/L
Sodium	Essential nutrient		11,300	µg/L	2,890	µg/L	32,900	µg/L
Thallium	0.5	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Vanadium	190	µg/L	1.0U	µg/L	1.0U	µg/L	1.0U	µg/L
Zinc	14,000	µg/L	9.3	µg/L	3.7J	µg/L	32.9	µg/L
Anions		EPA 300						
Bromide	-	-	0.32	mg/L	0.10U	mg/L	0.10U	mg/L
Chloride	250	mg/L	11.6	mg/L	8.6	mg/L	14	mg/L
Nitrate Nitrogen ³	10	mg/L	-	-	-	-	-	-
Nitrite Nitrogen ⁴	1	mg/L	-	-	-	-	-	-
Sulfate	250	mg/L	27.3	mg/L	10.8	mg/L	51.8	mg/L
Orthophosphate	-	-	-	-	-	-	-	-
Nutrients		EPA 350.1/351.2/365.4						
Ammonia Nitrogen	30	mg/L	-	-	-	-	-	-
Total Kjeldhal Nitrogen	-	-	-	-	-	-	-	-
Phosphorus	-	-	-	-	-	-	-	-

Notes

- | | | | |
|--------------|--|-------|--|
| ¹ | Value obtained from EPA Maximum Contaminant Level (MCL), Removal Management Levels, Secondary MCL, and Lifetime Health Advisory values | J | Value is estimated |
| | | J+ | Value is estimated with a possible high bias |
| | | µg/L | micrograms per liter |
| ³ | Value listed is for Nitrate. | mg/L | milligrams per liter |
| ⁴ | Value listed is for Nitrite. | mS/cm | millisiemens/centimeter |
| ⁵ | Only compared to Human Health Screening Values | NTU | Nephelometric turbidity units |
| R | Instrument calibration error; monitoring result rejected | std | standard |
| °C | degrees Celsius | U | Analyte was not detected above the listed reporting limit. |
| EPA | U.S. Environmental Protection Agency | | |