

NOTE: The data below represents drinking water samples that were collected on Feb 6, 2014 by EPA SESD 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 screening levels. The detected volatile organic compounds were below the screening criteria and are associated with chlorination of drinking water. This sample represents the same water that is being delivered to your tap. Specific qualifiers and footnotes are listed below the summary table.

		Danville Water Treatment Plant - Finished Water	South Boston Water Treatment Plant - Finished Water
<b>Location</b>	<b>Human Health Screening Standard for Drinking Water Samples<sup>1</sup></b>	<b>DVF</b>	<b>SBF</b>
<b>Sample ID</b>		<b>DVF01</b>	<b>SBF01</b>
<b>Date Collected</b>		<b>2/6/2014</b>	<b>2/6/2014</b>
<b>Time Collected</b>		<b>1605</b>	<b>1300</b>
<b>Status</b>		<b>Validation Complete</b>	<b>Validation Complete</b>
<b>Type</b>		<b>Drinking Water</b>	<b>Drinking Water</b>

<b>Volatile Organic Compounds</b>				<b>Units</b>
(m- and/or p-)Xylene		1.0 U	1.0 U	µg/L
1,1,1,2-Tetrachloroethane		0.50 U	0.50 U	µg/L
1,1,1-Trichloroethane		2.0 U	2.0 U	µg/L
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	µg/L
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)		0.50 U	0.50 U	µg/L
1,1,2-Trichloroethane		2.0 U	2.0 U	µg/L
1,1-Dichloroethane		0.50 U	0.50 U	µg/L
1,1-Dichloroethene (1,1-Dichloroethylene)		0.50 U	0.50 U	µg/L
1,1-Dichloropropene		0.50 U	0.50 U	µg/L
1,2,3-Trichlorobenzene		0.50 U	0.50 U	µg/L
1,2,3-Trichloropropane		2.0 U	2.0 U	µg/L
1,2,4-Trichlorobenzene		0.50 U	0.50 U	µg/L
1,2,4-Trimethylbenzene		0.50 U	0.50 U	µg/L
1,2-Dibromo-3-Chloropropane (DBCP)		4.0 U	4.0 U	µg/L
1,2-Dibromoethane (EDB)		2.0 U	2.0 U	µg/L
1,2-Dichlorobenzene		0.50 U	0.50 U	µg/L
1,2-Dichloroethane		0.50 U	0.50 U	µg/L
1,2-Dichloropropane		0.50 U	0.50 U	µg/L
1,3,5-Trimethylbenzene		0.50 U	0.50 U	µg/L
1,3-Dichlorobenzene		0.50 U	0.50 U	µg/L
1,3-Dichloropropane		0.50 U	0.50 U	µg/L
1,4-Dichlorobenzene		0.50 U	0.50 U	µg/L
2,2-Dichloropropane		2.0 U	2.0 U	µg/L
Acetone		4.0 U	4.0 U	µg/L
Benzene		0.50 U	0.50 U	µg/L
Bromobenzene		0.50 U	0.50 U	µg/L
Bromochloromethane		0.50 U	0.50 U	µg/L
Bromodichloromethane	80 µg/L	5.8	7.4	µg/L

Location	Human Health Screening Standard for Drinking Water Samples <sup>1</sup>	DVF	SBF	
Sample ID		DVF01	SBF01	
Date Collected		2/6/2014	2/6/2014	
Time Collected		1605	1300	
Status		Validation Complete	Validation Complete	
Type		Drinking Water	Drinking Water	
Bromoform		4.0 U	4.0 U	µg/L
Bromomethane		2.0 U	2.0 U	µg/L
Carbon Tetrachloride		2.0 U	2.0 U	µg/L
Carbon disulfide		2.0 U	2.0 U	µg/L
Chlorobenzene		0.50 U	0.50 U	µg/L
Chloroethane		2.0 U	2.0 U	µg/L
Chloroform	80 µg/L	2.2	5.1	µg/L
Chloromethane		0.50 U	0.50 U	µg/L
Cyclohexane		0.50 U	0.50 U	µg/L
Dibromochloromethane	80 µg/L	7.2	4.4	µg/L
Dibromomethane		0.50 U	0.50 U	µg/L
Dichlorodifluoromethane (Freon 12)		2.0 U	2.0 U	µg/L
Ethyl Benzene		0.50 U	0.50 U	µg/L
Hexachlorobutadiene		0.50 U	0.50 U	µg/L
Isopropylbenzene		0.50 U	0.50 U	µg/L
Methyl Acetate		4.0 U	4.0 U	µg/L
Methyl Butyl Ketone		1.0 U	1.0 U	µg/L
Methyl Ethyl Ketone		4.0 U	4.0 U	µg/L
Methyl Isobutyl Ketone		1.0 U	1.0 U	µg/L
Methyl T-Butyl Ether (MTBE)		0.50 U	0.50 U	µg/L
Methylcyclohexane		0.50 U	0.50 U	µg/L
Methylene Chloride		0.50 U	0.50 U	µg/L
Styrene		0.50 U	0.50 U	µg/L
Tetrachloroethene (Tetrachloroethylene)		0.50 U	0.50 U	µg/L
Toluene		0.50 U	0.50 U	µg/L
Trichloroethene (Trichloroethylene)		0.50 U	0.50 U	µg/L
Trichlorofluoromethane (Freon 11)		0.50 U	0.50 U	µg/L
Vinyl chloride		0.50 U	0.50 U	µg/L
cis-1,2-Dichloroethene		0.50 U	0.50 U	µg/L
cis-1,3-Dichloropropene		0.50 U	0.50 U	µg/L
n-Butylbenzene		0.50 U	0.50 U	µg/L
n-Propylbenzene		0.50 U	0.50 U	µg/L
o-Chlorotoluene		0.50 U	0.50 U	µg/L
o-Xylene		0.50 U	0.50 U	µg/L
p-Chlorotoluene		0.50 U	0.50 U	µg/L
p-Isopropyltoluene		0.50 U	0.50 U	µg/L
sec-Butylbenzene		0.50 U	0.50 U	µg/L
tert-Butylbenzene		0.50 U	0.50 U	µg/L
trans-1,2-Dichloroethene		0.50 U	0.50 U	µg/L
trans-1,3-Dichloropropene		0.50 U	0.50 U	µg/L

Location	Human Health Screening Standard for Drinking Water Samples <sup>1</sup>	DVF	SBF	
Sample ID		DVF01	SBF01	
Date Collected		2/6/2014	2/6/2014	
Time Collected		1605	1300	
Status		Validation Complete	Validation Complete	
Type		Drinking Water	Drinking Water	
<b>Semi-Volatile Organic Compounds</b>				<b>Units</b>
Acenaphthene		1.0 U	1.0 U	µg/L
Acenaphthylene		1.0 U	1.0 U	µg/L
Anthracene		1.0 U	1.0 U	µg/L
Benzo(a)anthracene		1.0 U,J,O	1.0 U,J,O	µg/L
Benzo(a)pyrene		0.20 U,J,O	0.20 U,J,O	µg/L
Benzo(b)fluoranthene		1.0 U,J,O	1.0 U,J,O	µg/L
Benzo(g,h,i)perylene		1.0 U,J,O	1.0 U,J,O	µg/L
Benzo(k)fluoranthene		1.0 U,J,O	1.0 U,J,O	µg/L
Benzyl butyl phthalate		1.0 U,J,O	1.0 U,J,O	µg/L
Bis(2-ethylhexyl) phthalate		1.0 U,J,O	1.0 U,J,O	µg/L
Bis-(2-Ethylhexyl) Adipate		1.0 U,J,O	1.0 U,J,O	µg/L
Chrysene		1.0 U,J,O	1.0 U,J,O	µg/L
Di-n-butylphthalate		1.0 U,J,O	1.0 U,J,O	µg/L
Di-n-octylphthalate		1.0 U,J,O	1.0 U,J,O	µg/L
Dibenz(a,h)anthracene		1.0 U,J,O	1.0 U,J,O	µg/L
Diethyl phthalate		1.0 U	1.0 U	µg/L
Dimethyl phthalate		1.0 U	1.0 U	µg/L
Fluoranthene		1.0 U	1.0 U	µg/L
Fluorene		1.0 U	1.0 U	µg/L
Hexachlorobenzene (HCB)		1.0 U	1.0 U	µg/L
Indeno (1,2,3-cd) pyrene		1.0 U,J,O	1.0 U,J,O	µg/L
Naphthalene		1.0 U	1.0 U	µg/L
Phenanthrene		1.0 U	1.0 U	µg/L
Pyrene		1.0 U	1.0 U	µg/L
<b>Total Metals</b>				<b>Units</b>
Aluminum	16,000	100 U	100 U	µg/L
Antimony	6 ug/L	1.0 U	1.0 U	µg/L
Arsenic	10 ug/L	1.0 U	1.0 U	µg/L
Barium	2000 ug/L	32	27	µg/L
Beryllium	4 ug/L	3.0 U	3.0 U	µg/L
Cadmium	5 ug/L	0.50 U	0.50 U	µg/L
Calcium	Essential nutrient	11000	7600	µg/L
Chromium	100 ug/L	5.0 U	5.0 U	µg/L
Cobalt	4.7	5.0 U	5.0 U	µg/L
Copper	1300 ug/L	10 U	10 U	µg/L
Iron	11,000	100 U	100 U	µg/L
Lead	15 ug/L	1.0 U	1.0 U	µg/L
Magnesium	Essential nutrient	2900	3000	µg/L
Manganese	320	5.0 U	5.0 U	µg/L

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Date Collected		2/6/2014	2/6/2014	
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Status		Validation Complete	Validation Complete	
Type		Drinking Water	Drinking Water	
Mercury	2 ug/L	0.10 U	0.10 U	µg/L
Molybdenum	78	10 U	10 U	µg/L
Nickel	300	10 U	10 U	µg/L
Potassium	Essential nutrient	1400	1700	µg/L
Selenium	50 ug/L	2.0 U	2.0 U	µg/L
Silver	71	5.0 U	5.0 U	µg/L
Sodium	Essential nutrient	5600	31000	µg/L
Strontium	9300 µg/L	55	77	µg/L
Thallium	2 ug/L	1.0 U	1.0 U	µg/L
Tin	9300 µg/L	15 U	15 U	µg/L
Titanium	NA	5.0 U	5.0 U	µg/L
Vanadium	63 µg/L	5.0 U	5.0 U	µg/L
Yttrium	NA	3.0 U	3.0 U	µg/L
Zinc	4700 µg/L	10 U	28	µg/L
<b>Additional Solids Analysis</b>				<b>Units</b>
Total Dissolved Solids		86	150	mg/L
Total Suspended Solids		4.0 U	4.0 U	mg/L
<b>Classical/Nutrient Analysis</b>				<b>Units</b>
Nitrate as N	10 mg/L	0.40	0.44	mg/L
Nitrate/Nitrite as N		0.40	0.44	mg/L
Nitrite as N	1.0 mg/L	0.050 U	0.050 U	mg/L
Total Organic Carbon		1.0 U	1.0 U	mg/L
Cyanide (total)	200 µg/L	15 U,J,O	15 U	µg/L

### LEGEND

1	Value obtained from EPA Maximum Contaminant Level (MCL), Removal Management Levels, Secondary MCL, and Lifetime Health Advisory values. If a compound was not detected, a screening value may not be indicated.
mg/L	milligram per liter
µg/L	microgram per liter
NA	Not available
U	The analyte was not detected at or above the reporting limit.
J	The identification of the analyte is acceptable; the reported value is an estimate.
O	Other qualifiers have been assigned providing additional information. These explanatory qualifiers are included in the printable pdf report and in other columns in the export files.