



Chromium-6 Data for Southwest Houston

The City of Houston Public Works (City) tested its drinking water for Hexavalent Chromium (Cr6) in 2013 and 2014 as part of the environmental Protection Agency's (EPA) Third Unregulated Contaminant Monitoring Rule (UCMR 3). The City has conducted additional testing between 2017 and the present at the groundwater well locations in Southwest Houston where Cr6 was detected during UCMR 3, as well as at representative locations in the drinking water distribution system that receive water from those groundwater wells.

The following pages show the current and historical data for the testing of Cr6 conducted by the City at these drinking water wells.

The Safe Drinking Water Act (SDWA) requires EPA to determine the level of contaminants in drinking water at which no adverse health effects are likely to occur. EPA has not created a drinking water standard for Cr6 by itself but does have a drinking water standard for total chromium, which includes Cr6. In order to ensure that the greatest potential risk is addressed, EPA based its drinking water standard assuming that total chromium consists of 100 percent Cr6, the form of chromium with the greatest health concern. EPA's drinking water standard for total chromium is 100 parts per billion (ppb). The highest level of Cr6 observed in the drinking water system has been 8.0 ppb. [The chromium present in drinking water in parts of District F have consistently remained far below the SDWA limit of 100 ppb.](#)

More information regarding chromium in drinking water, including EPA's responses to Frequently Asked Questions, can be found on EPA's website: <https://www.epa.gov/dwstandardsregulations/chromium-drinking-water>

Houston Water Southwest Area Chromium-6 Test Results (ppb)

2020 - Present

Location	Feb 2020	May 2020	Aug 2020	Nov 2020	Feb 2021	May 2021	Aug 2021	Nov 2021	Feb 2022	May 2022	Aug 2022	Nov 2022	Mar 2023	May 2023	Aug 2023
Water Plants															
Bellaire Braes	0.24	0.1	0.21	0.26	1.4	1.9	0.83	0.11	0.28	0.22	1.3	0.77	ND ^{iv}	0.83	1.3
Bellaire Braes Well 1	NC ^v				1.9	ND ^{iv}	1.7	0.02	1.2	0.2	2	1.9	ND ^{iv}	0.65	NC ^v
Brookfield	5.4	4.9	5	5.8	6	5	5.9	0.27	4.6	5.7	5.1	5.6	4.8	4.5	4.5
District 90-2	8	3	3.2	3.1	4.1	3.7	3.5	4	4	NC ^v	3.8	4.5	3.2	4.1	3.3
District 111-2	6	4.7	5.7	1.7	6	6.3	6.3	6.1	5	5.6	5	4.6	4.2	4.7	4.5
District 123	4.7	NC ^v		5.9	1.7	1.8	4	5.3	3.9	3.3	3.9	4.1	1.9	1.9	2
District 184	0.03	1.1	2.2	2.1	2.2	2.2	2.1	3	3	NC ^v					
Parkglen-1	2.9	2	2.4	0.95	0.94	ND ^{iv}	5.1	0.11	2.6	0.04	1.7	3.7	2.7	5.4	4.5
Parkglen West	NC ^v					4.6	5	4.5	4.7	NC ^v	4.6	NC ^v			3.8
Distribution Sample Points (DSP)															
Collected to Monitor Levels Observed in Water Lines Near Customer Homes															
DSP <i>District 111- 2</i> ⁱ	0.76	4.7	0.49	5.3	6	5.6	4.3	4.8	5.2	5.5	5	4.3	1.6	4.5	4.9
DSP <i>100</i> ⁱⁱⁱ	0.56	1	1.4	0.23	1.3	0.08	4.6	2.4	2.8	3.2	1.1	3.8	4.2	4.9	4.4
DSP <i>Parkglen MUD</i> ⁱⁱ	1.8	2.4	1.1	0.54	2.6	0.26	1.8	1.8	1.6	0.48	1.4	0.95	1.2	1.5	0.68

i.D-D-111-2 is water from Bellaire Braes, District 111-2, and Brookfield Facilities.

ii.Parkglen MUD is water from District 184, District 90-2, District 123, and Parkglen West Groundwater Facilities.

iii.100 represents Parkglen-1 Groundwater Facility.

iv.ND – Not Detected.

v.NC – Not Collected due to plant out of service.

Historical Results Houston Water Southwest Area Chromium-6 Test Results (ppb)

2013 - 2019

Location	Jul 2013	Feb 2017	July 2017	Dec 2017	Mar 2018	Dec 2018	Feb 2019	May 2019	Sep 2019	Dec 2019
Water Plants										
Bellaire Braes	1.7	1.9	0.22	1.6	0.26	1.1	0.73	0.37	0.33	0.37
Bellaire Braes Well 1	NC ^v				1.3	NC ^v	1.8	1.7	0.55	NC ^v
Brookfield	4.9	5.4	5	5.1	2.4	4.6	4.5	4.8	4.6	5.8
District 90-2	3.1	3.5	3.3	4.2	4.3	NC ^v	6.5	4	3.1	4.4
District 111-2	4.9	2.3	NC ^v		2.6	5.2	5.3	5.8	5.5	6.7
District 123	5.1	6.7	5.8	5.5	2.5	5.9	6	NC ^v	2.2	6.7
District 184	3.2	2	2.2	2.3	3	2	0.06	1.3	0.03	0.05
Parkglen-1	2.6	2.5	2.8	2.5	2.3	3.8	4.1	3.3	0.06	2.1
Parkglen West	4.4	4	4.4	NC ^v	4	4.1	4	NC ^v		
Distribution Sample Points (DSP)										
Collected to Monitor Levels Observed in Water Lines Near Customer Homes										
DSP D-District 111- 2 ⁱ	4.4	2.6	0.18	1.8	NC ^{vi}	4.9	5.3	1	0.42	6.6
DSP 100 ⁱⁱⁱ	2.9	1.5	1.4	2.9	NC ^{vi}	2.6	1.8	0.4	0.47	0.59
DSP Parkglen MUD ⁱⁱ	2.8	2.3	0.78	2.4	NC ^{vi}	1.7 ⁱⁱ	3.5	0.28	2.6	2.5
DSP Brookfield -1 ^{iv}	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						0.69	0.79	--	--
DSP Brookfield -2 ^{iv}	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						0.78	4.3	--	--
DSP D-123-1 ^{iv}	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						1.2	1.7	--	--
DSP D-123-2 ^{iv}	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						1	1.7	--	--
DSP Parkglen West MUD-1 ^{iv}	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						0.95	1.2	--	--

i. D-D-111-2 is water from Bellaire Braes, District 111-2, and Brookfield Facilities

ii. Parkglen MUD is water from District 184, District 90-2, District 123, and Parkglen West Groundwater

Facilities. In December 2018, Distribution Site Parkglen West MUD-2 was sampled instead of distribution site Parkglen MUD.

iii. 100 represents Parkglen-1 Groundwater Facility.

iv. Brookfield DSPs represent the Brookfield plant, D-123 DSPs represent the D-123 plants, the Parkglen West

MUD-1 DSP represents the Parkglen West plant.

v. NC - Not Collected due to plant out of service

vi. NC - Not Collected in March 2018. Observations showed levels at distribution sites are either equal to or less than their associated source water plants.