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)

2022 - Present

Location	Feb 2022	May 2022	Aug 2022	Nov 2022	Mar 2023	May 2023	Aug 2023	Nov 2023	Feb 2024	May 2024	Aug 2024	Nov 2024	Feb 2025	May 2025	Sep[vi] 2025	Nov 2025	Feb 2026	May 2026	Aug 2026	Nov 2026
Water Plants																				
Bellaire Braes	0.28	0.22	1.3	0.77	ND[iv]	0.83	1.3	0.98	0.31	0.29	1.3	0.57	0.96	0.36	0.26	0.17	0.13	0.12	0.32	0.8
Bellaire Braes Well 1	1.2	0.2	2	1.9	ND[iv]	0.65	NC[v]					1.4	1.8	1.2	0.24	0.53	1.1	1.2	1.2	1.8
Brookfield	4.6	5.7	5.1	5.6	4.8	4.5	4.5	5.6	NC[v]	6	4.8	5.4	5	5.3	2.7	4.5	5	3.9	5.1	5.9
District 90-2	4	NC[v]	3.8	4.5	3.2	4.1	3.3	5.2	3.0	4.5	4.0	4.0	3.4	3.8	6.2	6.0	6.2	4.8	3.4	4.7
District 111-2	5	5.6	5	4.6	4.2	4.7	4.5	6.3	0.15	6.5	5.8	5.1	4.9	5.9	6.3	4.6	5.7	5.4	6.1	5
District 123	3.9	3.3	3.9	4.1	1.9	1.9	2	2.1	4.1	NC[v]			2	1.9	2.2	2.3	2.8	NC[v]		
District 184	3	NC[v]																		2.1
Parkglen-1	2.6	0.04	1.7	3.7	2.7	5.4	4.5	4.5	5.6	1.1	5.4	5.3	5.3	5.5	3.6	4.9	4.3	3.9	5.4	4.9
Parkglen West	4.7	NC[v]	4.6	NC[v]			3.8	3.5	0.47	4.6	4.7	0.48	3.5	3.7	4.8	3.9	4.6	NC[v]	4.9	3.8
Distribution Sample Points (DSP)																				
Collected to Monitor Levels Observed in Water Lines Near Customer Homes																				
DSP *District 111- 2*[i]	5.2	5.5	5	4.3	1.6	4.5	4.9	6.5	0.29	0.62	1.9	5.4	1	0.35	0.23	4.6	0.16	0.13	5.9	0.78
DSP *100*[iii]	2.8	3.2	1.1	3.8	4.2	4.9	4.4	0.91	0.29	1.2	1.5	1.4	1.6	2.2	5.1	5.0	2.7	0.53	5.1	3.3
DSP *Parkglen MUD*[ii]	1.6	0.48	1.4	0.95	1.2	1.5	0.68	3.8	0.84	0.54	4.6	0.6	0.92	1.1	0.24	1.8	0.14	0.16	2.5	0.78

i.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.

vi. Hex Cr samples cancelled due to subcontract lab exceeding hold time; resampled in September.

Historical Results Houston Water Southwest Area Chromium-6 Test Results (ppb) 2013 - 2021

Location	Jul 2013	Feb 2017	July 2017	Dec 2017	Mar 2018	Dec 2018	Feb 2019	May 2019	Sep 2019	Dec 2019	Feb 2020	May 2020	Aug 2020	Nov 2020	Feb 2021	May 2021	Aug 2021	Nov 2021
Water Plants																		
Bellaire Braes	1.7	1.9	0.22	1.6	0.26	1.1	0.73	0.37	0.33	0.37	0.24	0.1	0.21	0.26	1.4	1.9	0.83	0.11
Bellaire Braes Well 1[ii]	NC[vii]				1.3	NC[vii]	1.8	1.7	0.55	NC[vii]					1.9	ND[viii]	1.7	0.02
Brookfield	4.9	5.4	5	5.1	2.4	4.6	4.5	4.8	4.6	5.8	5.4	4.9	5	5.8	6	5	5.9	0.27
District 90-2	3.1	3.5	3.3	4.2	4.3	NC[vii]	6.5	4	3.1	4.4	8	3	3.2	3.1	4.1	3.7	3.5	4
District 111-2	4.9	2.3	NC[vii]		2.6	5.2	5.3	5.8	5.5	6.7	6	4.7	5.7	1.7	6	6.3	6.3	6.1
District 123	5.1	6.7	5.8	5.5	2.5	5.9	6	NC[vii]	2.2	6.7	4.7	NC[vii]		5.9	1.7	1.8	4	5.3
District 184	3.2	2	2.2	2.3	3	2	0.06	1.3	0.03	0.05	0.03	1.1	2.2	2.1	2.2	2.2	2.1	3
Parkglen-1	2.6	2.5	2.8	2.5	2.3	3.8	4.1	3.3	0.06	2.1	2.9	2	2.4	0.95	0.94	ND[viii]	5.1	0.11
Parkglen West	4.4	4	4.4	NC[vii]	4	4.1	4	NC[vii]								4.6	5	4.5
Distribution Sample Points (DSP) Collected to Monitor Levels Observed in Water Lines Near Customer Homes																		
DSP *D-District 111-2*[iii]	4.4	2.6	0.18	1.8	Not sampled[i]	4.9	5.3	1	0.42	6.6	0.76	4.7	0.49	5.3	6	5.6	4.3	4.8
DSP *100*[v]	2.9	1.5	1.4	2.9	Not sampled[i]	2.6	1.8	0.4	0.47	0.59	0.56	1	1.4	0.23	1.3	0.08	4.6	2.4
DSP *Parkglen MUD*[iv]	2.8	2.3	0.78	2.4	Not sampled[i]	1.7[iv]	3.5	0.28	2.6	2.5	1.8	2.4	1.1	0.54	2.6	0.26	1.8	1.8
DSP *Brookfield -1*[vi]	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						0.69	0.79	--	--	--	--	--	--	--	--	--	--
DSP *Brookfield -2*[vi]	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*[vi]	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*[vi]	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*[vi]	Site added temporary for two monitoring periods to observe levels in distribution in comparison to the plants.						0.95	1.2	--	--	--	--	--	--	--	--	--	--

i.Distribution samples were not collected in March 2018. Observations showed levels at distribution sites are either equal to or less than their associated source water plants.
ii.Bellaire Braes Well 1 was sampled in March 2018, to observe levels in groundwater for this facility, whereas the other Bellaire Braes samples were from the plant storage tank where groundwater and surface water are mixed together.
iii.D-D-111-2 is water from Bellaire Braes, District 111-2, and Brookfield Facilities
iv.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.
v.100 represents Parkglen-1 Groundwater Facility.

vi.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.
vii.NC - Not Collected due to plant out of service
viii.ND - Not Detected