

Water Treatment Plant Metal Results 2021

Sample Location	Date Sampled	Arsenic µg/L	Copper µg/L	Lead µg/L	Iron µg/L	Manganese µg/L	Colour Units	Colour Units	pH
Guideline Limit		10	2000	5	300	120			7.0-10.5
WTP - Raw Water	04-Jan-21	7.0	<0.5	<0.01	6	120	<5		7.95
Treated Water	04-Jan-21	1.6	<0.5	<0.01	5	<1	<5		8.02
WTP - Raw Water	18-Jan-21	7.5	1.00	<0.1	<10	130	<5		7.97
Treated Water	18-Jan-21	2.0	<1	<0.1	<10	<5	<5		7.89
WTP - Raw Water	02-Feb-21	8.3	<0.5	0.01	<4	130	<5		8.02
Treated Water	02-Feb-21	2.3	<0.5	<0.01	<4	<1	<5		8.03
WTP - Raw Water	16-Feb-21	7.0	<1	<0.1	<10	125	<5		7.98
Treated Water	16-Feb-21	2.8	<1	<0.01	<10	<5	<5		8.00
WTP - Raw Water	01-Mar-21	7.8	<0.5	<0.01	<4	130	<5		8.00
Treated Water	01-Mar-21	2.6	<0.5	0.01	<4	<1	<5		8.03
WTP - Raw Water	15-Mar-21	6.8	3.30	0.07	26	260	<5		7.96
Treated Water	15-Mar-21	2.9	<0.5	<0.01	<4	<1	<5		7.93
WTP - Raw Water	29-Mar-21	7.2	<0.5	<0.01	<4	1	<5		8.08
Treated Water	29-Mar-21	3.3	<0.5	<0.01	<4	<1	<5		8.06
WTP - Raw Water	07-Apr-21	7.2	<0.5	<0.01	<4	15	<5		8.14
Treated Water	07-Apr-21	3.2	<0.5	<0.01	<4	<1	<5		8.06
WTP - Raw Water	12-Apr-21	7.4	<0.5	<0.01	<4	17	<5		7.98
Treated Water	12-Apr-21	3.3	<0.5	0.02	<4	<1	<5		8.07
WTP - Raw Water	19-Apr-21	6.6	<0.5	0.02	<7	190	<5		8.05
Treated Water	19-Apr-21	3.6	<0.5	<0.01	<4	<1	<5		8.10
WTP - Raw Water	26-Apr-21	7.1	<0.5	<0.01	<4	94	<5		8.12
Treated Water	26-Apr-21	3.7	<0.5	<0.01	<4	<1	<5		8.07
WTP - Raw Water	03-May-21	8.1	<0.5	<0.01	<4	150	<5		8.06
Treated Water	03-May-21	3.7	<0.5	<0.01	<4	<1	<5		8.07
WTP - Raw Water	10-May-21	6.6	<0.5	<0.01	<4	160	<5		8.24
Treated Water	10-May-21	3.7	<0.5	<0.01	<4	<1	<5		7.70
WTP - Raw Water	17-May-21	6.5	<0.5	<0.01	<6	160	<5		8.21
Treated Water	17-May-21	3.8	<0.5	<0.01	<4	<1	<5		8.23
WTP - Raw Water	25-May-21	6.5	<0.5	0.0	<4	160	<5		8.12
Treated Water	25-May-21	3.7	<0.5	<0.01	<4	<1	<5		8.09
WTP - Raw Water	31-May-21	6.4	<0.5	0.0	<4	150	<5		8.08
Treated Water	31-May-21	3.6	<0.5	<0.01	<4	<1	<5		8.08
WTP - Raw Water	08-Jun-21	7.0	<0.5	<0.01	5	130	<5		8.04
Treated Water	08-Jun-21	3.5	<0.5	<0.01	4.0	<1	<5		8.07
WTP - Raw Water	14-Jun-21	7.0	<0.5	<0.01	<4	140	<5		7.98
Treated Water	14-Jun-21	3.3	<0.5	<0.01	<4	<1	<5		8.05
WTP - Raw Water	21-Jun-21	7.3	4.0	0.02	5	150	<5		7.81
Treated Water	21-Jun-21	3.9	<0.5	<0.01	<4	<1	<5		7.87
WTP - Raw Water	28-Jun-21	6.9	<0.5	<0.01	<4	140	<5		8.17
Treated Water	28-Jun-21	4.0	<0.5	<0.01	<4	<1	<5		8.11
WTP - Raw Water	05-Jul-21	6.4	<0.5	0.01	<4	140	<5		8.11
Treated Water	05-Jul-21	4.0	<0.5	<0.01	<4	<1	<5		8.10
WTP - Raw Water	13-Jul-21	6.8	<0.5	<0.01	<4	130	<5		8.08
Treated Water	13-Jul-21	4.7	<0.5	<0.01	4.0	<1	<5		8.14
WTP - Raw Water	20-Jul-21	6.8	<0.5	<0.01	5	130	<5		8.01
Treated Water	20-Jul-21	4.5	<0.5	<0.01	<4	<1	<5		8.08
WTP - Raw Water	26-Jul-21	6.7	0.6	<0.01	<4	140	<5		8.04
Treated Water	26-Jul-21	4.6	<0.5	<0.01	<4	<1	<5		8.11
WTP - Raw Water	03-Aug-21	6.6	<0.5	<0.01	<4	130	<5		7.89
Treated Water	03-Aug-21	4.7	<0.5	<0.01	<4	1	5		7.79
WTP - Raw Water	03-Aug-21	4.7	<0.5	<0.01	<4	1	5		7.79
Treated Water	03-Aug-21	5.4	<0.5	<0.01	<4	12	<5		8.10

Sample Location	Date Sampled	Arsenic µg/L	Copper µg/L	Lead µg/L	Iron µg/L	Manganese µg/L	Colour Units	Colour Units	pH
Guideline Limit		10	2000	5	300	120			7.0-10.5
WTP - Raw Water	09-Aug-21	6.5	<0.5	<0.01	5	130	<5		8.02
Treated Water	09-Aug-21	4.7	<0.5	<0.01	<4	<1	<5		8.12
WTP - Raw Water	16-Aug-21	6.5	16.0	0.07	<4	140	<5		8.15
Treated Water	16-Aug-21	4.6	<0.5	<0.01	<4	3.0	<5		8.16
WTP - Raw Water	23-Aug-21	7.2	13.0	0.13	4	160	<5		7.98
Treated Water	23-Aug-21	4.9	<0.5	<0.01	<4	<1	<5		8.07
WTP - Raw Water	30-Aug-21	6.9	<0.5	<0.01	<4	120	<5		7.96
Treated Water	30-Aug-21	4.8	<0.5	<0.01	<4	6	<5		8.06
WTP - Raw Water	07-Sep-21	6.8	0.7	<0.01	<4	120	<5		8.09
Treated Water	07-Sep-21	4.7	0.05	<0.01	<4	3	<5		8.12
WTP - Raw Water	13-Sep-21	7.2	<1	<0.1	<10	169	<5		8.08
Treated Water	13-Sep-21	5.1	<1	<0.1	<10	5	<5		8.12
WTP - Raw Water	20-Sep-21	7.0	<0.5	<0.01	<4	150.0	<5		8.02
Treated Water	20-Sep-21	4.8	<0.5	<0.01	<4	<1	<5		8.10
WTP - Raw Water	27-Sep-21	8.7	2.0	<0.1	220	229	<5		7.95
Treated Water	27-Sep-21	5.5	<1	<0.1	<10	<5	<5		8.09
WTP - Raw Water	04-Oct-21	7.5	<0.5	0.02	<4	180	<5		8.04
Treated Water	04-Oct-21	4.9	<0.5	<0.01	<4	<1	<5		8.11
WTP - Raw Water	12-Oct-21	7.3	<0.5	<0.01	<4	170	<5		8.05
Treated Water	12-Oct-21	5.1	<0.5	<0.01	<4	1	<5		8.11
WTP - Raw Water	19-Oct-21	7.6	<0.5	<0.01	7.0	130.0	<5		8.1
Treated Water	19-Oct-21	5.1	<0.5	<0.01	<4	<1	<5		8.1
WTP - Raw Water	25-Oct-21	8.1	<0.5	<0.01	41.0	140.0	<5		8.1
Treated Water	25-Oct-21	5.7	<0.5	<0.01	<4	<1	<5		8.1
WTP - Raw Water	01-Nov-21	8.2	<0.5	<0.01	24.0	150.0	<5		8.0
Treated Water	01-Nov-21	5.8	<0.5	<0.01	<4	<1	<5		8.0
WTP - Raw Water	08-Nov-21	8.9	<0.1	<0.01	<10	136.0	<5		8.0
Treated Water	08-Nov-21	6.4	<0.1	<0.01	<10	<5	<5		8.1
WTP - Raw Water	15-Nov-21	7.1	<0.1	<0.01	10.0	93.0	<5		7.7
Treated Water	15-Nov-21	5.2	<0.1	<0.01	<10	<5	<5		7.7
WTP - Raw Water	22-Nov-21	7.1	<0.1	<0.01	<10	109.0	<5		7.9
Treated Water	22-Nov-21	5.0	<0.1	<0.01	<10	<5	<5		7.9
WTP - Raw Water	29-Nov-21	7.2	25.0	<0.01	<10	94.0	<5		7.8
Treated Water	29-Nov-21	5.3	<0.1	<0.01	<10	<5	<5		7.9
WTP - Raw Water	07-Dec-21	6.3	0.8	<0.01	<4	87.0	<5		8.0
Treated Water	07-Dec-21	4.4	<0.5	<0.01	<4	2.0	<5		8.1
WTP - Raw Water	13-Dec-21	6.8	3.9	0.0	5.0	92.0	<5		8.0
Treated Water	13-Dec-21	3.4	<0.5	<0.01	<4	3.0	<5		8.1
WTP - Raw Water	21-Dec-21	6.6	26.0	0.1	<4	91.0	<5		8.1
Treated Water	21-Dec-21	4.0	<0.5	<0.01	4.0	3.0	<5		8.1

Raw Water is the untreated water that has been combined from the wells throughout the city. It has been identified in bold.