

Manganese Concentration Level in City Water Supply

MONTH	# READINGS	AVERAGE- PPB	HIGH-PPB	LOW-PPB
February, 2022	19	152	178	112
January, 2022	20	151	216	102
December, 2021	18	267	479	113
November, 2021	19	293	399	125
October, 2021	21	288	422	180
September, 2021	21	246	377	71
August, 2021	21	172	352	88
July, 2021	20	218	379	84
June, 2021	22	187	333	79
May, 2021	20	125	170	83
April, 2021	22	106	162	76
March, 2021	23	104	187	87
February, 2021	19	101	128	79
January, 2021	18	99	126	83
December, 2020	20	100	164	78
November, 2020	18	118	196	76
October, 2020	22	115	156	81
September 2020	21	140	261	58
August, 2020	21	159	315	74
July, 2020	22	169	281	68
June, 2020	22	148	250	65
May, 2020	20	128	196	78
April, 2020	22	101	154	56

March, 2020	22	96	160	67
February, 2020	19	102	144	52
January, 2020	20	110	148	67
December, 2019	17	151	331	117

Date	Reading (PPB)
March 16, 2022	208
March 15, 2022	153
March 14, 2022	130
March 11, 2022	138
March 10, 2022	132
March 9, 2022	130
March 8, 2022	132
March 7, 2022	166
March 4, 2022	131
March 3, 2022	180
March 2, 2022	146
March 1, 2022	153
Feb. 28, 2022	147
Feb. 25, 2022	158
Feb. 24, 2022	153
Feb. 23, 2022	112
Feb. 22, 2022	146
Feb. 18, 2022	141
Feb. 17, 2022	175
Feb. 16, 2022	132
Feb. 15, 2022	134
Feb. 14, 2022	163
Feb. 11, 2022	174
Feb. 10, 2022	116
Feb. 9, 2022	152
Feb. 8, 2022	174
Feb. 7, 2022	136
Feb. 4, 2022	178
Feb. 3, 2022	164
Feb. 2, 2022	152
Feb. 1, 2022	175
Jan. 31, 2022	102
Jan. 28, 2022	140

DATE	READING (PPE
Jan. 27, 2022	126
Jan. 26, 2022	196
Jan. 25, 2022	149
Jan. 24, 2022	158
Jan. 21, 2022	216
Jan. 20, 2022	215
Jan. 19, 2022	127
Jan 18, 2022	147
Jan. 14, 2021	213
Jan. 13, 2022	120
Jan. 12, 2022	125
Jan. 11, 2022	121
Jan. 10, 2022	114
Jan. 7 <i>,</i> 2022	181
Jan. 6, 2022	143
Jan. 5, 2022	161
Jan. 4, 2022	132
Jan. 3, 2022	137
Dec. 29, 2021	152
Dec. 28, 2021	126
Dec. 22, 2021	132
Dec. 21, 2021	265
Dec. 20, 2021	134
Dec. 17, 2021	346
Dec. 16, 2021	284
Dec. 15, 2021	132
Dec. 14, 2021	113
Dec. 13, 2021	479
Dec. 10, 2021	394
Dec. 9, 2021	250
Dec. 8, 2021	247
Dec. 7, 2021	223
Dec. 6, 2021	391

Dec. 3, 2021 380 Dec. 2, 2021 387 Dec. 1, 2021 378 Nov. 30, 2021 146 Nov. 29, 2021 387 Nov. 24, 2021 231	
Dec. 1, 2021 378 Nov. 30, 2021 146 Nov. 29, 2021 387	
Nov. 30, 2021 146 Nov. 29, 2021 387	
Nov. 29, 2021 387	
Nov. 24. 2021 231	
Nov. 23, 2021 225	
Nov. 22, 2021 378	
Nov. 19, 2021 125	
Nov. 18, 2021 379	
Nov. 17, 2021 374	
Nov. 16, 2021 317	
Nov. 15, 2021 270	
Nov. 12, 2021 399	
Nov. 10, 2021 256	
Nov. 9, 2021 150	
Nov. 8, 2021 377	
Nov. 5, 2021 386	
Nov. 4, 2021 198	
Nov. 3, 2021 386	
Nov. 2, 2021 253	
Nov. 1, 2021 336	
Oct. 29, 2021 193	
Oct. 28, 2021 422	
Oct. 27, 2021 288	
Oct. 26, 2021 200	
Oct. 25, 2021 190	
Oct. 22, 2021 385	
Oct. 21, 2021 180	
Oct. 20, 2021 224	
Oct. 19, 2021 295	
Oct. 18, 2021 283	
Oct. 15, 2021 306	

Oct. 14, 2021	329
Oct. 13, 2021	257
Oct. 12, 2021	251
Oct. 11, 2021	391
Oct. 8, 2021	262
Oct. 7, 2021	364
Oct. 6, 2021	180
Oct. 5, 2021	319
Oct. 4, 2021	392
Oct. 1, 2021	340
Sept. 30. 2021	202
Sept. 29, 2021	376
Sept. 28, 2021	226
Sept. 27, 2021	226
Sept. 24, 2021	377
Sept. 23, 2021	370
Sept. 22, 2021	326
Sept. 21, 2021	221
Sept. 20, 2021	345
Sept. 17, 2021	144
Sept. 16, 2021	128
Sept. 15, 2021	265
Sept. 14, 2021	298
Sept. 13, 2021	337
Sept. 10, 2021	71
Sept. 9, 2021	81
Sept. 8, 2021	200
Sept. 7, 2021	327
Sept. 3, 2021	128
Sept. 2, 2021	317
Sept. 1, 2021	207
August 31, 2021	175
August 30, 2021	99
August 27, 2021	91
August 26, 2021	98
August 25, 2021	88
August 24, 2021	352
August 23, 2021	98
August 20, 2021	334
August 19, 2021	332
August 17, 2021	336
August 16, 2021	109
August 13, 2021	96

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August 12, 2021	213
August 11, 2021	240
August 10, 2021	155
August 9, 2021	90
August 6, 2021	104
August 5, 2021	172
August 4, 2021	111
August 3, 2021	139
August 2, 2021	174
July 30, 2021	104
July 29, 2021	279
July 27, 2021	325
July 26, 2021	379
July 23, 2021	105
July 22, 2021	150
July 21, 2021	331
July 20, 2021	162
July 19, 2021	92
July 16, 2021	84
July 15, 2021	207
July 14, 2021	224
July 13, 2021	276
July 12, 2021	245
July 9, 2021	219
July 8, 2021	134
July 7, 2021	88
July 6, 2021	310
July 2, 2021	332
July 1, 2021	307
June 30, 2021	96
June 29, 2021	294
June 28, 2021	102
June 25, 2021	178
June 24, 2021	288
June 23, 2021	218
June 22, 2021	293
June 21, 2021	79
June 18, 2021	265
June 17, 2021	333
June 16, 2021	276
June 15, 2021	170
June 14, 2021	327
June 11, 2021	99

June 10, 2021	140
June 9, 2021	206
June 8, 2021	119
June 7, 2021	167
June 4, 2021	123
June 3, 2021	91
June 2, 2021	118
June 1, 2021	122
May 28, 2021	86
May 27, 2021	118
May 26, 2021	141
May 25, 2021	163
May 24, 2021	83
May 21, 2021	136
May 20, 2021	170
May 19, 2021	83
May 18, 2021	138
May 17, 2021	96
May 14, 2021	129
May 13, 2021	132
May 12, 2021	129
May 11, 2021	154
May 10, 2021	137
May 7, 2021	120
May 6, 2021	98
May 5, 2021	141
May 4, 2021	145
May 3, 2021	102
April 30, 2021	128
April 29, 2021	115
April 28, 2021	128
April 27, 2021	143
April 26, 2021	82
April 23, 2021	120
April 22, 2021	111
April 21, 2021	133
April 20, 2021	162
April 19, 2021	92
April 16, 2021	108
April 15, 2021	100
April 14, 2021	76
April 13, 2021	121
April 12, 2021	95

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April 9, 2021	100
April 8, 2021	94
April 7, 2021	78
April 6, 2021	92
April 5, 2021	75
April 2, 2021	86
April 1, 2021	92
March 31, 2021	106
March 30, 2021	95
March 29, 2021	187
March 26, 2021	103
March 25, 2021	126
March 24, 2021	89
March 23, 2021	95
March 22, 2021	88
March 19, 2021	113
March 18, 2021	98
March 17, 2021	98
March 16, 2021	97
March 15, 2021	101
March 12, 2021	113
March 11, 2021	87
March 10, 2021	102
March 9, 2021	87
March 8, 2021	115
March 5, 2021	112
March 4, 2021	106
March 3, 2021	91
March 2, 2021	88
March 1, 2021	106
Feb. 26,2021	95
Feb. 25, 2021	123
Feb. 24, 2021	112
Feb. 23, 2021	107
Feb. 22, 2021	92
Feb. 19, 2021	79
Feb. 18, 2021	96
Feb. 17, 2021	98
Feb. 16, 2021	118
Feb. 12, 2021	128
Feb. 11, 2021	95
Feb. 10, 2021	91
Feb. 9, 2021	98
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Feb. 8, 2021	104
Feb. 5, 2021	100
Feb. 4, 2021	88
Feb. 3, 2021	98
Feb. 2, 2021	104
Feb. 1, 2021	91
Jan. 29, 2021	85
Jan. 28, 2021	99
Jan. 27, 2021	103
Jan. 26, 2021	109
Jan. 25, 2021	95
Jan. 22, 2021	90
Jan. 21, 2021	103
Jan. 20, 2021	105
Jan. 19, 2021	126
Jan. 14, 2021	94
Jan. 13, 2021	87
Jan. 12, 2021	93
Jan. 11, 2021	83
Jan. 8, 2021	95
Jan. 7, 2021	102
Jan. 6, 2021	105
Jan. 5, 2021	102
Jan. 4, 2021	105
Dec. 30, 2020	110
Dec. 29, 2020	99
Dec. 28, 2020	93
Dec. 23, 2020	78
Dec. 22, 2020	103
Dec. 21, 2020	117
Dec. 18, 2020	95
Dec. 17, 2020	98
Dec. 16, 2020	104
Dec. 15, 2020	93
Dec. 14, 2020	164
Dec. 11, 2020	87
Dec. 10, 2020	82
Dec. 9, 2020	78
Dec. 8, 2020	163
Dec. 7, 2020	80
Dec. 4, 2020	94
Dec. 3, 2020	82
Dec. 2, 2020	83

Dec. 1, 2020	89
Nov. 30, 2020	104
Nov. 25, 2020	87
Nov. 24, 2020	104
Nov. 23, 2020	113
Nov. 20, 2020	83
Nov. 19, 2020	85
Nov. 18, 2020	120
Nov. 17, 2020	196
Nov. 16, 2020	82
Nov. 13, 2020	83
Nov. 12, 2020	141
Nov. 10, 2020	125
Nov. 9, 2020	120
Nov. 6, 2020	133
Nov. 5, 2020	194
Nov. 4, 2020	137
Nov. 3, 2020	137
Nov. 2, 2020	76
Oct. 30, 2020	122
Oct. 29, 2020	115
Oct. 28, 2020	156
Oct. 27, 2020	144
Oct. 26, 2020	87
Oct. 23, 2020	83
Oct. 22, 2020	126
Oct. 21, 2020	82
Oct. 20, 2020	116
Oct. 19, 2020	84
Oct. 16, 2020	83
Oct. 15, 2020	135
Oct. 14, 2020	138
Oct. 13, 2020	137
Oct. 12, 2020	81
Oct. 9, 2020	85
Oct. 8, 2020	131
Oct. 7, 2020	132
Oct. 6, 2020	133
Oct. 5, 2020	95
Oct. 2, 2020	142
Oct. 1, 2020	125
Sept. 30, 2020	144
Sept. 29, 2020	144

Sept. 28, 2020	83
Sept. 25, 2020	145
Sept. 24, 2020	174
Sept. 23, 2020	80
Sept. 22, 2020	261
Sept. 21, 2020	90
Sept. 18, 2020	128
Sept. 17, 2020	58
Sept 16, 2020	131
Sept 15, 2020	143
Sept 14, 2020	95
Sept 11, 2020	97
Sept 10, 2020	127
Sept 9, 2020	147
Sept 8, 2020	158
Sept 4, 2020	161
Sept 3, 2020	155
Sept 2, 2020	258
Sept 1, 2020	159
August 31, 2020	126
August 28, 2020	171
August 27, 2020	156
August 26, 2020	168
August 25, 2020	179
August 24, 2020	85
August 21, 2020	276
August 20, 2020	162
August 19, 2020	74
August 18, 2020	153
August 17, 2020	155
August 14, 2020	108
August 13, 2020	86
August 12, 2020	176
August 11, 2020	142
August 10, 2020	89
August 7, 2020	315
August 6, 2020	144
August 5, 2020	299
August 4, 2020	183
August 3, 2020	93
July 31, 2020	87
July 30, 2020	162
July 29, 2020	146

July 28, 2020	127
July 27, 2020	91
July 24, 2020	179
July 23, 2020	138
July 22, 2020	187
July 21, 2020	167
July 20, 2020	215
July 17, 2020	219
July 16, 2020	171
July 15, 2020	89
July 14, 2020	274
July 13, 2020	204
July 10, 2020	265
July 9, 2020	182
July 8, 2020	198
July 7, 2020	132
July 6, 2020	68
July 2, 2020	281
July 1, 2020	138
June 30, 2020	161
June 29, 2020	191
June 26, 2020	135
June 25, 2020	162
June 24, 2020	91
June 23, 2020	144
June 22, 2020	133
June 19, 2020	210
June 18, 2020	231
June 17, 2020	250
June 16, 2020	162
June 15, 2020	92
June 12, 2020	93
June 11, 2020	65
June 10, 2020	167
June 9, 2020	192
June 8, 2020	83
June 5, 2020	99
June 4, 2020	156
June 3, 2020	223
June 2, 2020	138
June 1, 2020	72
May 29, 2020	78
May 28, 2020	196

May 27, 2020	119
May 26, 2020	151
May 22, 2020	137
May 21, 2020	83
May 20, 2020	146
May 19, 2020	139
May 18, 2020	108
May 15, 2020	122
May 14, 2020	146
May 13, 2020	173
May 12, 2020	125
May 11, 2020	99
May 8, 2020	164
May 7, 2020	150
May 6, 2020	96
May 5, 2020	134
May 4, 2020	93
May 1, 2020	97
April 30, 2020	109
April 29, 2020	126
April 28, 2020	122
April 27, 2020	69
April 24, 2020	154
April 23, 2020	103
April 22, 2020	73
April 21, 2020	107
April 20, 2020	76
April 17, 2020	109
April 16, 2020	101
April 15, 2020	123
April 14, 2020	60
April 13, 2020	63
April 10, 2020	106
April 9, 2020	119
April 8, 2020	139
April 7, 2020	130
April 6, 2020	62
April 3, 2020	76
April 2, 2020	137
April 1, 2020	56
March 31, 2020	96
March 30, 2020	82
March 27, 2020	87

March 26, 2020	67
March 25, 2020	93
March 24, 2020	105
March 23, 2020	52
March 20, 2020	88
March 19, 2020	78
March 18, 2020	89
March 17, 2020	135
March 16, 2020	80
March 13,2020	102
March 12, 2020	86
March 11, 2020	102
March 10, 2020	117
March 9, 2020	87
March 6, 2020	95
March 5, 2020	103
March 4, 2020	86
March 3, 2020	160
March 2, 2020	125
Feb 28, 2020	89
Feb 27, 2020	130
Feb 26, 2020	95
Feb 25, 2020	140
Feb 24, 2020	90
Feb 21, 2020	77
Feb 20, 2020	89

Feb 19, 2020	144
Feb 18, 2020	81
Feb 14, 2020	56
Feb 13, 2020	73
Feb 12, 2020	138
Feb 11, 2020	113
Feb 10, 2020	111
Feb 7, 2020	121
Feb 6, 2020	122
Feb 5, 2020	52
Feb 4, 2020	112
Feb 3, 2020	100
Jan 31, 2020	67
Jan 30, 2020	120
Jan 29, 2020	108
Jan 28, 2020	103
Jan 27, 2020	94
Jan 24, 2020	116
Jan 23, 2020	98
Jan 22, 2020	67
Jan 21, 2020	134
Jan 16, 2020	100
Jan 15, 2020	133
Jan 14, 2020	73
Jan 13, 2020	112
Jan 10, 2020	121

Jan 9, 2020	90
Jan 8, 2020	148
Jan 7, 2020	120
Jan 6, 2020	126
Jan 3, 2020	147
Jan 2,2020	118
Dec 30, 2019	161
Dec 27, 2019	139
Dec 26, 2019	126
Dec 23, 2019	117
Dec 20, 2019	129
Dec 19, 2019	135
Dec 18, 2019	149
Dec 17, 2019	123
Dec 16, 2019	149
Dec 13, 2019	128
Dec 12, 2019	133
Dec 11, 2019	128
Dec 10, 2019	142
Dec 9, 2019	160
Dec 6, 2019	147
Dec 5, 2019	172
Dec 4, 2019	331

MDH recommended health guidelines:

- 1) If you have an infant who drinks tap water or drinks formula made with tap water, a safe level of manganese in your water is 100 parts per billion (ppb) or less.
- 2) If you have an infant who never drinks tap water or formula made with tap water, a safe level of manganese in your water is 300 ppb or less.
- 3) If everyone is more than one year old, a safe level of manganese in your water is 300 ppb or less.