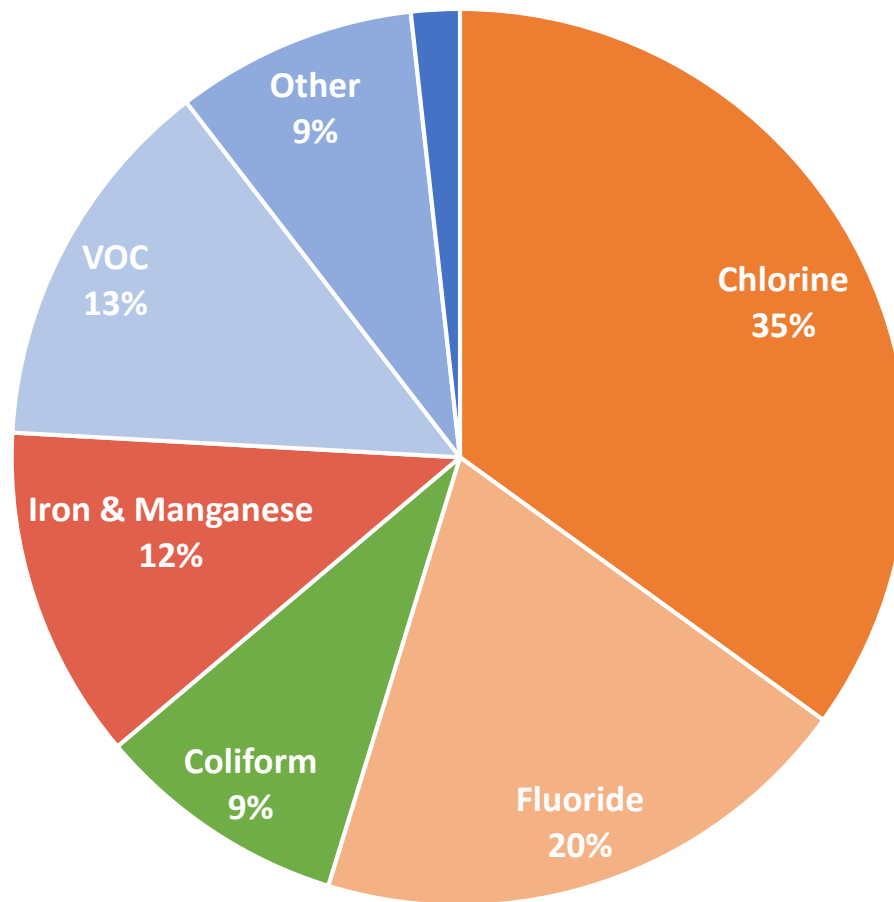


2023 Month	Total Coliform		Chlorine Residual		Fluoride	
	# Samples	# TC Positive	# Samples	# <0.1 mg/L	# Samples	Ave (mg/L)
January	251	0	938	0	522	0.69
February	208	0	828	0	471	0.69
March	237	0	933	0	535	0.68
April	233	0	927	0	507	0.69
May	271	0	1033	0	550	0.64
June	250	0	1029	0	545	0.65
July	264	0	1001	0	603	0.64
August	296	0	1043	3	598	0.64
September	254	1	973	0	576	0.66
October						
November						
December						
TOTAL	2264	1 0.04%	8705	3 0.03%	4907	0.66
					Target:	0.7 mg/L

2023 Water Quality Tests (n = 24,878)

Through 9/30/2023



■ Chlorine ■ Fluoride ■ Coliform ■ Iron & Manganese ■ VOC ■ Other ■ PFAS

Water Quality Test Results Summary - 2023

A. Inorganics - Regulated

PARAMETER	UNITS	MCL	DETECTS	MINIMUM	MEDIAN	MAXIMUM
Antimony	µg/L	6	0	<0.3	<0.3	<0.3
Arsenic	µg/L	10	0	<1.1	<1.1	<1.1
Barium	µg/L	2000	20	6.7	21	73
Beryllium	µg/L	4	0	<0.06	<0.06	<0.06
Cadmium	µg/L	5	0	<0.1	<0.1	<0.1
Chromium, Total	µg/L	100	3	<1.1	<1.1	1.7
Copper	µg/L	AL: 1300	15	<1.7	4.2	55
Fluoride	mg/L	4	20	0.6	0.8	0.8
Lead	µg/L	AL: 15	1	<0.3	<0.3	0.3
Mercury	µg/L	2	0	<0.05	<0.05	<0.05
Nickel	µg/L	100	14	<1.0	1.3	2.9
Nitrogen - Nitrate	mg/L	10	13	<0.2	1.0	4.0
Nitrogen - Nitrite	mg/L	1	0	<0.01	<0.01	<0.01
Selenium	µg/L	50	2	<1.0	<1.0	1.6
Thallium	µg/L	2	0	<0.8	<0.8	<0.8

B. Inorganics - Unregulated

PARAMETER	UNITS	SMCL	DETECTS	MINIMUM	MEDIAN	MAXIMUM
Alkalinity (CaCO3)	mg/L	--	20	260	290	340
Aluminum	µg/L	50	0	<24	<24	<24
Calcium	mg/L	--	20	58	72	110
Chloride	mg/L	250	20	1.2	20	190
Conductivity	umhos / cm	--	20	510	660	1400
Hardness (CaCO3)	mg/L	--	20	290	345	520
Iron	mg/L	0.3	6	<0.06	<0.06	0.6
Magnesium	mg/L	--	20	34	43	59
Manganese	µg/L	50	14	<2.0	5.7	51
pH (Lab)	s.u.	--	17	7.1	7.3	7.5
Silver	µg/L	100	1	<0.3	<0.3	0.5
Sodium	mg/L	--	20	2.2	8.8	71
Strontium	µg/L	--	17	49	76	100
Sulfate	mg/L	250	20	5.7	17	36
Zinc	µg/L	5000	4	<5.7	<5.7	15

AL - Action Level

MCL - Maximum Contaminant Level

SMCL - Secondary Maximum Contaminant Level

Water Quality Test Results Summary - 2023

C. Iron - Wells

SMCL: Secondary Maximum Contaminant Level is 0.3 mg/L

SOURCE	UNITS	SAMPLES	MINIMUM	MEDIAN	MAXIMUM
Well 7*	mg/L	8	<0.01	<0.01	0.02
Well 8	mg/L	1	0.57	0.57	0.57
Well 17	mg/L	4	0.11	0.13	0.13
Well 19	mg/L	8	0.21	0.22	0.22
Well 24	mg/L	8	0.18	0.19	0.20
Well 26 [#]	mg/L	8	<0.01	<0.01	0.01
Well 27	mg/L	7	0.14	0.16	0.17
Well 28	mg/L	8	0.16	0.18	0.19
Well 29*	mg/L	8	<0.01	<0.02	0.02
Well 30	mg/L	6	<0.06	0.21	0.22
Well 31*	mg/L	8	<0.01	<0.01	<0.02

D. Manganese - Wells

SMCL: Secondary Maximum Contaminant Level is 50 µg/L

SOURCE	UNITS	SAMPLES	MINIMUM	MEDIAN	MAXIMUM
Well 7*	µg/L	8	<0.5	<2.0	0.6
Well 8	µg/L	1	51	51	51
Well 17	µg/L	4	31	34	38
Well 19	µg/L	8	40	46	50
Well 24	µg/L	8	27	29	31
Well 26 [#]	µg/L	8	1.9	<2.0	4.6
Well 27	µg/L	7	31	32	33
Well 28	µg/L	8	20	22	23
Well 29*	µg/L	8	0.5	<2.0	2.7
Well 30	µg/L	6	8.3	14	15
Well 31*	µg/L	8	<0.5	<2.0	<2.0

* Filtered

[#] Raw water

Water Quality Test Results Summary - 2023

E. Iron - Distribution

SMCL: Secondary Maximum Contaminant Level is 0.3 mg/L

	UNITS	Q1	Q2	Q3	Q4
Policy Goal	mg/L	0.3	0.3	0.3	0.3
Median	mg/L	<0.02	<0.01	<0.01	
Average	mg/L	0.03	0.02	0.033	
95th Percentile	mg/L	0.12	0.10	0.14	
Maximum	mg/L	0.18	0.12	0.16	
Number of Samples		26	35	44	
Samples >0.3 mg/L		0	0	0	

F. Manganese - Distribution

SMCL: Secondary Maximum Contaminant Level is 50 µg/L

	UNITS	Q1	Q2	Q3	Q4
Policy Goal	µg/L	50	50	50	50
Median	µg/L	1.1	<2.0	<2.0	
Average	µg/L	3.4	4.4	4.7	
95th Percentile	µg/L	18	17	18	
Maximum	µg/L	26	33	34	
Number of Samples		26	35	44	
Samples >50 µg/L		0	0	0	

G. Lead & Copper - Distribution

Action Level is 15 µg/L for Lead and 1300 µg/L for Copper

	UNITS	Lead	Copper
US EPA Action Level	µg/L	15	1300
Median	µg/L	0.9	105
Average	µg/L	1.1	114
90th Percentile	µg/L	1.8	150
Maximum	µg/L	5.8	210
Number of Samples		50	50
Samples > Action Level		0	0

Water Quality Test Results Summary - 2023

H. Organic Contaminants

1. Overview - Volatile and Synthetic Organics (VOC & SOC)

	TYPE	UNITS	MCL	MAXIMUM	WELLS
1,1-Dichloroethane	VOC	µg/L	--	0.11	#9
1,1-Dichloroethylene	VOC	µg/L	7	0.31	#18
<i>cis</i> 1,2-Dichloroethylene	VOC	µg/L	70	0.36	7 & 11
Tetrachloroethylene [PCE]	VOC	µg/L	5	5.9	6,7,9,11,18
Trichloroethylene [TCE]	VOC	µg/L	5	0.74	7,11,18
Trichlorofluoromethane	VOC	µg/L	--	0.81	6,9,11,14,18
Atrazine	SOC	µg/L	3	0.03	11,13,14,16,25,29
Metolachlor	SOC	µg/L	--	0.01	#14
PFAS: PFOA	SOC	ng/L	70	1.9	6,7,9,11,13,14,16,26,27
PFAS: PFOS	SOC	ng/L	70	1.6	6,9,11,16,26

2. Detail - Volatile Organics (VOC)

	Range of Test Results (µg/L)					
	MCL	Well #6	Well #7	Well #9	Well #11	Well #18
Tetrachloroethylene [PCE]	5 µg/L	0.82 - 2.6	0.57 - 1.1	0.70 - 1.6	<0.49 - 0.69	0.97 - 5.9
Number of Samples		3	3	3	3	12

Water Quality Test Results Summary - 2023

I. Radium (226 + 228)

	Number of Samples	Results, pCi/L	Annual Average of Quarterly Samples	NOTE: MCL = 5 pCi/L; based on running annual average of quarterly samples
Well 07	1	1.1	Not Applicable	
Well 18	1	Non-detect	Not Applicable	
Well19	6*	0.8 - 4.9	3.0 - 3.4	
Well 24	1	2.3	Not Applicable	
Well 27	6*	1.1 - 5.5	3.1 - 3.5	
Well 28	1	1.9	Not Applicable	
Well 30	1	1.2	Not Applicable	

* Includes duplicate samples

J. Unregulated Contaminants

Parameter	Units	Detects	Results	Wells with Detections
Chromium, Hexavalent	µg/L	4 of 4	0.9 - 2.0	Wells 6, 13, 14 & 16 sampled
1,4-Dioxane	µg/L	1 of 1	0.36	Only Well 11 sampled
Strontium	µg/L	17 of 17	49 - 100	All Wells
PFAS: PFBA	ng/L	8	<0.5 - 41	6,9,11,13,14,16,26,27
PFAS: PFPeA	ng/L	8	<0.4 - 2.2	6,9,11,13,14,16,26,27
PFAS: PFHxA	ng/L	7	<0.4 - 2.2	6,9,11,13,14,16,27
PFAS: PFHpA	ng/L	3	<0.4 - 0.5	6,13,16
PFAS: PFBS	ng/L	8	<0.4 - 2.1	6,9,11,13,14,16,26,27
PFAS: PFPeS	ng/L	1	<0.3 - 0.7	#6
PFAS: PFHxS	ng/L	10	<0.4 - 6.3	6,7,9,11,13,14,16,18,26,27