Attachment B

Water Quality Test Results Summary - 2024

2024	Total Coliform		Chlorine Residual		Fluoride	
Month	**# Samples**	**# TC Positive**	**# Samples**	**# <0.1 mg/L**	**# Samples**	**Ave (mg/L)**
January	306	2	1118	1	585	0.68
February	281	7	1075	0	535	0.67
March	260	6	1047	0	548	0.66
April	325	0	1077	0	530	0.66
May	294	0	1089	1	542	0.66
June	257	1	1089	7	536	0.67
July	314	2	1153	3	561	0.68
August	271	3	1157	5	562	0.68
September	301	7	1163	3	559	0.70
October						
November						
December						
TOTAL	2609	28	9968	20	4958	0.67
		1.1%		0.20%		
					Target:	**0.7 mg/L**

Water Quality Test Results Summary - 2024

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	7.2	21	69
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	4	<1.2	<1.2	2.6
Copper	µg/L	AL: 1300	20	0.8	3.5	24
Fluoride	mg/L	4	20	0.5	0.7	0.8
Lead	µg/L	AL: 15	1	<0.3	<0.3	0.4
Mercury	µg/L	2	0	<0.05	<0.05	<0.05
Nickel	µg/L	100	8	<1.0	<1.0	2.5
Nitrogen - Nitrate	mg/L	10	13	<0.2	0.8	4.1
Nitrogen - Nitrite	mg/L	1	0	<0.01	<0.01	<0.01
Selenium	µg/L	50	3	<1.0	<1.0	1.5
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	295	350
Aluminum	µg/L	50	0	<9.0	<9.0	<9.0
Calcium	mg/L	--	20	55	69	110
Chloride	mg/L	250	20	1.6	16	210
Conductivity	umhos / cm	--	20	500	635	1400
Hardness (CaCO3)	mg/L	--	20	270	335	530
Iron	mg/L	0.3	7	<0.04	<0.04	**0.3**
Magnesium	mg/L	--	20	32	41	62
Manganese	µg/L	50	14	<0.5	2.5	45
pH (Lab)	s.u.	--	20	7.0	7.2	7.5
Silver	µg/L	100	2	<0.3	<0.3	1.9
Sodium	mg/L	--	20	2.3	7.3	64
Strontium	µg/L	--	20	49	82	100
Sulfate	mg/L	250	20	6.6	18	39
Zinc	µg/L	5000	16	<1.8	3.8	8.8

AL - Action Level *MCL - Maximum Contaminant Level* *SMCL - Secondary Maximum Contaminant Level*

Water Quality Test Results Summary - 2024

C. Iron - Wells

SMCL: Secondary Maximum Contaminant Level is 0.3 mg/L

SOURCE	UNITS	SAMPLES	MINIMUM	MEDIAN	MAXIMUM
Well 7*	mg/L	9	<0.01	0.06	0.08
Well 8	mg/L	1	**0.58**	**0.58**	**0.58**
Well 17	mg/L	6	0.09	0.13	0.14
Well 19	mg/L	9	0.19	0.21	0.22
Well 24	mg/L	8	0.22	0.25	0.33
Well 26#	mg/L	8	<0.01	<0.01	0.01
Well 27	mg/L	9	0.12	0.16	0.17
Well 28	mg/L	9	0.17	0.17	0.18
Well 29*	mg/L	9	<0.01	<0.01	<0.04
Well 30	mg/L	9	0.19	0.21	0.22
Well 31*	mg/L	9	<0.01	<0.01	<0.04

D. Manganese - Wells

SMCL: Secondary Maximum Contaminant Level is 50 µg/L

SOURCE	UNITS	SAMPLES	MINIMUM	MEDIAN	MAXIMUM
Well 7*	µg/L	9	<2.0	2.6	3.7
Well 8	µg/L	1	49	49	49
Well 17	µg/L	6	30	33	34
Well 19	µg/L	9	43	45	**53**
Well 24	µg/L	8	28	31	37
Well 26#	µg/L	8	<2.0	<2.0	33
Well 27	µg/L	9	30	31	36
Well 28	µg/L	9	20	22	25
Well 29*	µg/L	9	1.5	<2.0	2.1
Well 30	µg/L	9	13	14	15
Well 31*	µg/L	9	<0.5	<2.0	<2.0

* Filtered

Raw water

Water Quality Test Results Summary - 2024

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	0.018	0.013	0.013	
Average	mg/L	0.05	0.05	0.038	
95th Percentile	mg/L	0.19	0.21	0.15	
Maximum	mg/L	0.33	0.45	0.22	
Number of Samples		43	43	42	
Samples >0.3 mg/L		1	1	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	<2.0	<2.0	<2.0	
Average	µg/L	7.7	5.2	6.2	
95th Percentile	µg/L	26	18	21	
Maximum	µg/L	74	29	28	
Number of Samples		43	43	42	
Samples >50 µg/L		1	0	0	

** Includes duplicate samples*

Water Quality Test Results Summary - 2024

G. Organic Contaminants

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

	TYPE	UNITS	MCL	MAXIMUM	WELLS
1,1-Dichloroethylene	VOC	µg/L	7	0.18	#18
cis 1,2-Dichloroethylene	VOC	µg/L	70	0.40	7 & 11
Tetrachloroethylene [PCE]	VOC	µg/L	5	2.8	6,7,9,11,18
Trichloroethylene [TCE]	VOC	µg/L	5	0.37	7,11,18
Trichlorofluoromethane	VOC	µg/L	--	0.81	9 & 11
PFAS: PFBA	SOC	ng/L	--	47	#9
PFAS: PFHXS	SOC	ng/L	10*	7.3	#6

* Used to calculate a Hazard Index, which must be less than 1.0

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	1.9 - 2.8	1.0 - 1.3	1.4 - 1.7	0.65 - 0.92	2.2 - 2.7
Number of Samples		3	3	3	3	3

Water Quality Test Results Summary - 2024

H. Radium (226 + 228)

	Number of Samples	Results, pCi/L	Annual Average of Quarterly Samples
Well 07	1	2.5	Not Applicable
Well19	5*	2.9 - 5.1	3.2 - 3.9
Well 24	1	1.6	Not Applicable
Well 27	5*	2.7 - 5.3	3.2 - 4.1
Well 30	1	2.2	Not Applicable

NOTE: MCL = 5 pCi/L; based on running annual average of quarterly samples

** Includes duplicate samples*

I. Unregulated Contaminants

Parameter	Units	Detects	Results	Wells with Detections
Chromium, Hexavalent	µg/L	13 of 20	<0.02 - 2.0	All except 7,19,24,27,28,30,31
1,4-Dioxane	µg/L	4 of 8	<0.07 - 0.40	9,11,18
Strontium	µg/L	20 of 20	49 - 100	All Wells