

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

Every five years the EPA issues a regulation called the Unregulated Contaminant Monitoring Rule (UCMR), which lists 20 to 30 unregulated contaminants that must be monitored for by large public water systems. Used as a tool to find unregulated contaminants of concern in drinking water, the EPA can then determine whether to set drinking water standards or to require water providers to use certain treatment systems to reduce or eliminate these contaminants.

The UCMR 5 monitoring, which started in January 2023 and will continue through 2025, contains sampling and testing requirements for 30 chemicals:

- EPA Method 200.7 Rev. 2, Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Atomic Emission Spectrometry: Lithium
- EPA Method 533 Rev. 3.2, Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry: 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid, 1H,1H,2H,2H-Perfluorodecane Sulfonic Acid, 1H,1H,2H,2H-Perfluorohexane Sulfonic Acid, 1H,1H,2H,2H-Perfluorooctane Sulfonic Acid, 4,8-Dioxo-3H-perfluorononanoic Acid, 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid, Hexafluoropropylene Oxide Dimer Acid, Nonafluoro-3-6-dioxaheptanoic Acid, Perfluoro(2-ethoxyethane)sulfonic Acid, Perfluoro-3-methoxypropanoic Acid, Perfluoro-4-methoxybutanoic Acid, Perfluorobutanesulfonic Acid, Perfluorobutanoic Acid, Perfluorodecanoic Acid, Perfluorododecanoic Acid, Perfluoroheptanesulfonic Acid, Perfluoroheptanoic Acid, Perfluorohexanesulfonic Acid, Perfluorohexanoic Acid, Perfluorononanoic Acid, Perfluorooctanesulfonic Acid, Perfluorooctanoic Acid, Perfluoropentanesulfonic Acid, Perfluoropentanoic Acid, Perfluoroundecanoic Acid
- EPA Method Method 537.1 Rev. 3, Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS): N-ethyl Perfluorooctanesulfonamidoacetic Acid, N-methyl Perfluorooctanesulfonamidoacetic Acid, Perfluorotetradecanoic Acid, Perfluorotridecanoic Acid

The UCMR 5 test results for each chemical detected, or found above the reporting level, are listed in the charts found on pages 6 through 8 for each distribution area tested in 2024.

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5														
EPA Method 533 UCMR 5					Distribution Area 1					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorobutanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50	2.0	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	46	No	ND	0.006	ND	4
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.004	ND	46	No	ND	ND	ND	4
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	46	No	ND	ND	ND	4
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.004	ND	46	No	ND	ND	ND	4

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 6					Distribution Area 8					Distribution Area 9				
Detected Compound	Likely Source	MCL	MCLG OR HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorobutanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50	2.0	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	2	No	ND	ND	ND	10

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 10					Distribution Area 11					Distribution Area 12				
Detected Compound	Likely Source	MCL	MCLG OR HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorobutanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50	2.0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	20	No	ND	0.005	ND	50
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	20	No	ND	ND	ND	50
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	20	No	ND	0.003	ND	50
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.009	ND	8	No	ND	0.006	ND	20	No	ND	0.006	ND	50
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	20	No	ND	ND	ND	50
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	8	No	ND	0.005	ND	20	No	ND	0.006	ND	50
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.013	0.004	8	No	ND	0.008	ND	20	No	ND	0.007	ND	50

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 14					Distribution Area 15					Distribution Area 23				
Detected Compound	Likely Source	MCL	MCLG OR HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorobutanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50	2.0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	30	No	ND	ND	ND	8
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	30	No	ND	ND	ND	8
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	0.003	ND	30	No	ND	ND	ND	8
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	0.007	ND	30	No	ND	ND	ND	8
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	4	No	ND	0.005	ND	30	No	ND	ND	ND	8
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	4	No	ND	0.006	ND	30	No	ND	ND	ND	8
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	0.008	ND	30	No	ND	ND	ND	8

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533 UCMR 5

EPA Method 533 UCMR 5					Distribution Area 30					Distribution Area 54					Distribution Area 67				
Detected Compound	Likely Source	MCL	MCLG OR HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorobutanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50	2.0	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1
Perfluorooctanesulfonic Acid		0.01	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1
Perfluorooctanoic Acid		0.01	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	12	No	ND	ND	ND	1	No	ND	ND	ND	1



* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.004	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.014	ND	486	No	ND	ND	ND	12	No	ND	0.006	ND	17
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.004	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.007	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	0.006	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	0.003	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.009	ND	486	No	ND	ND	ND	12	No	ND	0.002	ND	17

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.004	ND	72	No	ND	0.003	ND	6	No	ND	ND	ND	8

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	ND	ND	71
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	0.002	ND	71
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	ND	ND	71
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	ND	ND	71
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	0.003	ND	71
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	31	No	ND	0.002	ND	55	No	ND	0.002	ND	71
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	31	No	ND	0.007	ND	55	No	ND	0.005	ND	71
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	ND	ND	71
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	31	No	ND	ND	ND	55	No	ND	ND	ND	71
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	31	No	ND	0.011	0.002	55	No	ND	0.006	ND	71

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.009	ND	421	No	ND	ND	ND	20	No	ND	ND	ND	262
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.007	ND	421	No	ND	ND	ND	20	No	ND	0.004	ND	262
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.010	ND	421	No	ND	ND	ND	20	No	ND	0.007	ND	262
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	421	No	ND	ND	ND	20	No	ND	ND	ND	262
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	421	No	ND	ND	ND	20	No	ND	0.003	ND	262
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.007	ND	421	No	ND	ND	ND	20	No	ND	0.012	ND	262
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.013	ND	421	No	ND	0.002	ND	20	No	ND	0.009	0.002	262
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	421	No	ND	ND	ND	20	No	ND	0.007	ND	262
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	0.002	ND	421	No	ND	ND	ND	20	No	ND	ND	ND	262
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.022	0.002	421	No	ND	0.003	ND	20	No	ND	0.016	0.003	262

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	0.019	ND	174	No	ND	ND	ND	41	No	ND	ND	ND	160
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.003	ND	174	No	ND	ND	ND	41	No	ND	0.006	ND	160
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	0.012	ND	174	No	ND	0.007	ND	41	No	ND	0.092	ND	160
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	174	No	ND	ND	ND	41	No	ND	ND	ND	160
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	0.014	ND	174	No	ND	0.002	ND	41	No	ND	ND	ND	160
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.009	ND	174	No	ND	0.008	ND	41	No	ND	ND	ND	160
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.028	0.002	174	No	ND	0.045	0.005	41	No	ND	0.078	0.002	160
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	0.003	ND	174	No	ND	ND	ND	41	No	ND	ND	ND	160
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	174	No	ND	ND	ND	41	No	ND	ND	ND	160
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.051	0.003	174	No	ND	0.035	0.004	41	No	ND	0.383	0.006	160

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	0.003	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area 57					Distribution Area 64					Distribution Area 67				
Detected Compound	Likely Source	MCL	MCLG OF HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.002	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.002	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	0.002	ND	4
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.002	ND	4	No	ND	ND	ND	2	No	ND	0.003	ND	4

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA Method 533					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG of HAL*	Unit of Measure	Violation Yes/No	Low Value	Range of Readings High Value	Avg. Value	No. of Tests
1H,1H,2H,2H-Perfluorooctane Sulfonic Acid	Released into the environment from use in commercial and industrial applications	50	n/a	ug/L	No	ND	ND	ND	16
Perfluorobutanesulfonic Acid		50	2.0	ug/L	No	ND	0.007	ND	16
Perfluorobutanoic Acid		50	n/a	ug/L	No	ND	ND	ND	16
Perfluoroheptanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	16
Perfluoroheptanoic Acid		50	n/a	ug/L	No	ND	ND	ND	16
Perfluorohexanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	16
Perfluorohexanoic Acid		50	n/a	ug/L	No	ND	0.004	ND	16
Perfluorononanoic Acid		50	n/a	ug/L	No	ND	ND	ND	16
Perfluoropentanesulfonic Acid		50	n/a	ug/L	No	ND	ND	ND	16
Perfluoropentanoic Acid		50	n/a	ug/L	No	ND	0.005	ND	16



* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	0.022	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	0.004	ND	486	No	ND	ND	ND	12	No	ND	ND	ND	17

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	ND	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	0.002	ND	72	No	ND	ND	ND	6	No	ND	ND	ND	8

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	ND	ND	31	No	ND	0.002	ND	55	No	ND	0.004	ND	71
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	ND	ND	31	No	ND	0.002	ND	55	No	ND	0.005	ND	71

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	0.008	ND	421	No	ND	ND	ND	20	No	ND	0.008	ND	262
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	0.008	ND	421	No	ND	ND	ND	20	No	ND	0.008	0.002	262

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	0.007	ND	174	No	ND	0.002	ND	41	No	ND	0.005	ND	160
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	0.003	ND	174	No	ND	0.003	ND	41	No	ND	0.003	ND	160

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	0.004	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	ND	ND	9	No	ND	ND	ND	7	No	ND	ND	ND	10

* Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	22	No	ND	ND	ND	39

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area 57					Distribution Area 64					Distribution Area 67				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4

Synthetic Organic Compounds including Per- and Polyfluoroalkyl Substances - Analysis Performed by EPA Method 533

EPA METHOD 533					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Violation Yes/No	Low Value	Range of Readings High Value	Avg. Value	No. of Tests
Perfluorooctanesulfonic Acid	Released into the environment from widespread use in commercial and	*0.010	0	ug/L	No	ND	0.004	ND	16
Perfluorooctanoic Acid		*0.010	0	ug/L	No	ND	0.005	ND	16



** Refer to page 5 for Water Quality Data Terms, Definitions and Units of Measure including; MCL, MCLG, HAL.

All perfluoroalkyl substances, besides PFOA & PFOS, are considered Unspecified Organic Contaminants (UOC) which have an MCL = 50 ug/L.

WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring

PPCPs are a diverse collection of thousands of chemical substances, including prescription and over the counter therapeutic drugs, veterinary drugs, fragrances, cosmetics, lotions such as sunscreen and insect repellents, diagnostic agents and vitamins. PPCPs from bodily excretion, bathing, and disposal of unwanted medications to septic systems, sewers or trash have the potential to enter our drinking water. Information on how to properly dispose of unwanted pharmaceuticals can be found at the link below:

<https://nepis.epa.gov/Exe/tiff2png.cgi/P1007BCF.PNG?-r+75+-g+7+D%3A%5CZYFILES%5CINDEX%20DATA%5C06THRU10%5CTIFF%5C00000773%5CP1007BCF.TIF%20>

The detection and quantification of these chemicals has only recently been possible due to advances in laboratory testing technology.

Presently the EPA has no health standards or guidelines for PPCPs in drinking water and does not require testing. In 2024 all of our wells were tested for 35 PPCPs; Acesulfame-K, Carbamazepine, Dilantin, 5-(4-Hydroxyphenyl)-5-Phenylhydantoin, Ibuprofen, Imidacloprid, Meprobamate, Phenobarbital, Primidone, Saccharin, Sodium Cyclamate, Sucralose and Sulfamethoxazole were detected. The concentrations found are at levels far below medical doses, and have no known health effects.

Wherever possible, we are using granular activated carbon filtration and blending wells to remove these trace levels from the water we provide to you. Information on these pharmaceutical drugs and the results for each distribution area can be found in the tables below and on pages 13-15.

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	1.80	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	0.10	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	0.31	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.15	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.11	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.09	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.42	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	4.00	0.09	356	No	ND	ND	ND	8	No	ND	ND	ND	10
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	0.06	ND	356	No	ND	ND	ND	8	No	ND	ND	ND	10

					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.48	0.05	50	No	ND	ND	ND	4	No	ND	0.09	0.05	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.48	ND	50	No	ND	0.05	ND	4	No	ND	ND	ND	8
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	50	No	ND	ND	ND	4	No	ND	ND	ND	8

					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.10	ND	24	No	ND	0.49	0.08	40	No	ND	2.64	0.12	45
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	0.06	ND	45
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.05	ND	24	No	ND	0.11	ND	40	No	ND	0.34	ND	45
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	24	No	ND	ND	ND	40	No	ND	ND	ND	45

WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring (cont'd)

					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	2.03	0.11	291	No	ND	0.35	0.05	15	No	ND	1.64	0.16	189
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	291	No	ND	ND	ND	15	No	ND	0.06	ND	189
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	0.09	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	0.14	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.09	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.10	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	0.07	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.09	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.06	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.05	ND	291	No	ND	ND	ND	15	No	ND	0.23	ND	189
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.13	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	2.43	0.22	291	No	ND	0.14	ND	15	No	ND	3.30	0.26	189
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	291	No	ND	ND	ND	15	No	ND	ND	ND	189

					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.89	0.15	145	No	ND	0.65	0.30	28	No	ND	0.81	0.12	140
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	0.16	ND	145	No	ND	ND	ND	28	No	ND	0.19	ND	140
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	1.33	0.10	28	No	ND	0.08	ND	140
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.05	ND	145	No	ND	ND	ND	28	No	ND	0.15	ND	140
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.99	0.15	145	No	ND	0.72	0.27	28	No	ND	1.20	0.18	140
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	145	No	ND	ND	ND	28	No	ND	ND	ND	140

					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.16	ND	8	No	ND	0.11	0.05	7	No	ND	0.08	ND	8
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	8	No	ND	ND	ND	7	No	ND	ND	ND	8

					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/l	No	ND	0.08	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Dilantin	Anti-epileptic drug	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Imidacloprid	Used as a pesticide	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Meprobamate	Anti-anxiety drug	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/l	No	ND	0.15	0.08	6	No	ND	0.10	ND	14	No	ND	ND	ND	24
Sulfamethoxazole	Antibiotic	50	n/a	ug/l	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24

WATER QUALITY DATA BY DISTRIBUTION AREA

Pharmaceuticals and Personal Care Products (PPCPs) Monitoring (cont'd)

					Distribution Area 57					Distribution Area 64					Distribution Area 67				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.20	0.11	6	No	ND	0.22	0.06	10	No	ND	ND	ND	3
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.06	ND	10	No	ND	ND	ND	3
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.58	0.24	6	No	ND	0.45	0.13	10	No	ND	ND	ND	3
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3

					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals																			
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4

					Distribution Area WNWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Synthetic Organic Compounds including Pesticides and Pharmaceuticals									
Acesulfame-K	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.48	0.17	12
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	12
Dilantin	Anti-epileptic drug	50	n/a	ug/L	No	ND	ND	ND	12
5-(4-Hydroxyphenyl)-5-Phenylhydantoin	Used for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	12
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	0.09	ND	12
Imidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	12
Meprobamate	Anti-anxiety drug	50	n/a	ug/L	No	ND	ND	ND	12
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	12
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	12
Saccharin	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	0.13	ND	12
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	ND	ND	12
Sucralose	Incomplete removal during wastewater treatment, home septic	50	n/a	ug/L	No	ND	1.26	0.28	12
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	12

SAFE DISPOSAL OF PHARMACEUTICALS



Pharmaceutical contamination of drinking water is an important emerging concern. Changing our practices today can prevent future pollution of our only source of drinking water. Become a part of the solution to help stop the threat of discarded pharmaceuticals finding their way into our groundwater, bays and estuaries. Simply take your unused medications to any of the safe disposal locations on Long Island: Walgreens and CVS have safe drop boxes and accept medical disposals at specific locations across Long Island. Also, most police precincts in Suffolk County will accept prescription drugs for disposal. A list can be found here:

https://www.health.ny.gov/professionals/narcotic/medication_drop_boxes/suffolk.htm

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts

					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.22	ND	68	No	ND	ND	ND	1	No	ND	0.89	ND	9
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	1	No	ND	ND	ND	9
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	8.47	0.29	474	No	ND	0.62	ND	8	No	ND	1.94	ND	57
Bromoform	**See Below	**80	n/a	ug/L	No	ND	3.59	ND	474	No	ND	ND	ND	8	No	ND	3.05	0.30	57
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.48	0.10	361	No	0.04	0.10	0.06	8	No	0.05	0.16	0.08	10
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	1	No	ND	ND	ND	9
Chloroform	**See Below	**80	n/a	ug/L	No	ND	10.01	0.50	474	No	ND	2.36	0.53	8	No	ND	0.73	ND	57
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.25	ND	68	No	ND	ND	ND	1	No	ND	0.77	ND	9
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	7.58	0.26	474	No	ND	ND	ND	8	No	ND	3.87	0.33	57
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.05	ND	68	No	ND	ND	ND	1	No	ND	ND	ND	9
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	ND	1.70	0.93	3,869	No	0.70	1.40	1.10	44	No	0.38	1.50	0.94	150
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	68	No	ND	ND	ND	1	No	ND	1.50	ND	9
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.21	ND	68	No	0.64	0.64	0.64	1	No	ND	ND	ND	9

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.24	ND	27	No	ND	0.81	ND	9	No	ND	ND	ND	1
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	9	No	ND	ND	ND	1
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	4.94	ND	222	No	ND	1.22	ND	19	No	ND	ND	ND	12
Bromoform	**See Below	**80	n/a	ug/L	No	ND	2.00	ND	222	No	ND	1.16	ND	19	No	ND	ND	ND	12
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.05	0.19	0.08	49	No	0.05	0.09	0.07	4	No	0.04	0.09	0.06	8
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	9	No	ND	ND	ND	1
Chloroform	**See Below	**80	n/a	ug/L	No	ND	4.43	ND	222	No	ND	0.77	ND	19	No	ND	0.29	ND	12
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.01	ND	27	No	ND	0.41	ND	9	No	ND	ND	ND	1
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	4.62	ND	222	No	ND	1.90	0.29	19	No	ND	ND	ND	12
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.58	ND	27	No	ND	ND	ND	9	No	ND	ND	ND	1
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.29	1.50	0.98	689	No	0.37	1.46	0.97	162	No	0.72	1.40	1.05	60
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	9	No	ND	ND	ND	1
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	27	No	ND	ND	ND	9	No	ND	ND	ND	1

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	0.90	ND	13	No	ND	ND	ND	8
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	13	No	ND	ND	ND	8
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	1.67	ND	94	No	ND	1.15	ND	124	No	ND	0.81	ND	194
Bromoform	**See Below	**80	n/a	ug/L	No	ND	0.44	ND	94	No	ND	0.31	ND	124	No	ND	0.90	ND	194
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.06	0.17	0.10	21	No	0.04	0.17	0.08	43	No	0.03	0.18	0.10	42
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	13	No	ND	ND	ND	8
Chloroform	**See Below	**80	n/a	ug/L	No	ND	2.51	0.28	94	No	ND	1.35	0.27	124	No	ND	0.98	ND	194
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	21	No	ND	0.47	ND	13	No	ND	ND	ND	8
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	0.98	ND	94	No	ND	0.94	ND	124	No	ND	1.00	ND	194
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	21	No	ND	1.44	ND	13	No	ND	ND	ND	8
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.40	1.43	0.94	369	No	0.33	1.52	0.94	689	No	0.48	1.64	1.06	552
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	13	No	ND	ND	ND	8
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	21	No	ND	0.71	ND	13	No	ND	ND	ND	8

(*MCL is the sum of the starred compounds shown above)

					Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	1.55	ND	78	No	ND	ND	ND	7	No	ND	ND	ND	24
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	78	No	ND	ND	ND	7	No	ND	ND	ND	24
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	7.67	0.26	575	No	ND	0.99	ND	25	No	ND	1.66	ND	344
Bromoform	**See Below	**80	n/a	ug/L	No	ND	2.49	ND	575	No	ND	0.31	ND	25	No	ND	1.02	ND	344
Chlorate	Byproduct of chlorination	n/a	n/a	mg/l	No	ND	0.51	0.10	285	No	0.04	0.12	0.07	15	No	0.03	0.62	0.13	185
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	78	No	ND	ND	ND	7	No	ND	ND	ND	24
Chloroform	**See Below	**80	n/a	ug/L	No	ND	7.00	0.46	575	No	ND	1.18	0.36	25	No	ND	2.67	0.42	344
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.01	ND	78	No	ND	ND	ND	7	No	ND	ND	ND	24
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	6.56	ND	575	No	ND	0.79	ND	25	No	ND	1.27	ND	344
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.48	ND	78	No	ND	ND	ND	7	No	ND	ND	ND	24
Free Chlorine	Used as a disinfectant	4	n/a	mg/l	No	0.26	1.65	0.96	2,747	No	0.30	1.49	0.94	269	No	0.27	1.55	1.00	2,003
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	78	No	ND	ND	ND	7	No	ND	ND	ND	24
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.67	ND	78	No	ND	ND	ND	7	No	ND	0.68	ND	24

(*MCL is the sum of the starred compounds shown above)

**Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane, and bromoform) are a by-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	23	No	ND	0.97	ND	7	No	ND	2.15	0.84	17
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	7	No	ND	ND	ND	17
Bromodichloromethane	**See Below	**80	n/a	ug/l	No	ND	2.80	ND	242	No	ND	3.65	0.39	59	No	ND	5.12	0.29	198
Bromoform	**See Below	**80	n/a	ug/L	No	ND	0.99	ND	242	No	ND	3.73	0.33	59	No	ND	3.52	0.30	198
Chlorate	Byproduct of chlorination	n/a	n/a	mg/l	No	0.04	0.42	0.14	143	No	0.09	0.27	0.17	32	No	ND	0.38	0.14	124
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	7	No	ND	2.05	ND	17
Chloroform	**See Below	**80	n/a	ug/L	No	ND	4.50	1.06	242	No	0.26	3.20	1.01	59	No	ND	2.66	0.40	198
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.69	ND	23	No	ND	1.20	0.65	7	No	ND	2.07	0.95	17
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	2.72	ND	242	No	ND	5.42	0.49	59	No	ND	7.15	0.40	198
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	7	No	ND	2.11	ND	17
Free Chlorine	Used as a disinfectant	4	n/a	mg/l	No	0.38	1.52	0.95	1,241	No	0.40	1.46	0.90	255	No	0.14	1.50	0.92	821
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	7	No	ND	ND	ND	17
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	23	No	ND	ND	ND	7	No	ND	0.95	ND	17
(*MCL is the sum of the starred compounds shown above)																			

					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	0.34	ND	10	No	ND	1.48	0.26	11	No	ND	ND	ND	29
Bromoform	**See Below	**80	n/a	ug/L	No	ND	ND	ND	10	No	ND	0.46	ND	11	No	ND	ND	ND	29
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.08	0.23	0.15	7	No	0.06	0.13	0.10	7	No	0.08	0.28	0.16	8
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
Chloroform	**See Below	**80	n/a	ug/L	No	ND	4.19	1.66	10	No	0.26	2.13	1.66	11	No	ND	ND	ND	29
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	0.31	ND	10	No	ND	1.50	0.27	11	No	ND	ND	ND	29
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.60	1.32	1.05	61	No	0.49	1.34	0.97	105	No	0.71	1.50	1.08	93
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	2	No	ND	ND	ND	1
(*MCL is the sum of the starred compounds shown above)																			

					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	9	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	0.87	ND	9	No	ND	ND	ND	6
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	1.22	0.26	10	No	ND	1.61	0.46	24	No	ND	1.90	0.39	28
Bromoform	**See Below	**80	n/a	ug/L	No	ND	0.52	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Chlorate	Byproduct of chlorination	n/a	n/a	mg/l	No	0.10	0.19	0.14	6	No	0.04	0.57	0.09	22	No	ND	1.05	0.20	38
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	9	No	ND	ND	ND	6
Chloroform	**See Below	**80	n/a	ug/L	No	0.79	3.06	1.88	10	No	ND	7.44	1.30	24	No	ND	4.26	0.74	28
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	9	No	ND	ND	ND	6
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	1.40	0.27	10	No	ND	0.61	ND	24	No	ND	0.83	ND	28
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	3.74	1.77	9	No	ND	1.42	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	mg/l	No	0.40	1.45	0.84	56	No	0.59	1.50	1.03	82	No	0.33	1.50	1.06	140
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	9	No	ND	ND	ND	6
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	0.65	6.29	2.56	9	No	0.55	1.17	0.95	6
(*MCL is the sum of the starred compounds shown above)																			

					Distribution Area 57					Distribution Area 64					Distribution Area 67				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	0.95	ND	7	No	ND	0.82	ND	2
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	2
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	2.69	0.46	10	No	ND	1.82	0.51	20	No	ND	0.70	0.32	3
Bromoform	**See Below	**80	n/a	ug/L	No	ND	1.44	0.30	10	No	ND	1.85	0.45	20	No	ND	ND	ND	3
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.09	0.25	0.17	8	No	0.09	0.22	0.14	12	No	0.07	0.10	0.08	3
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	2
Chloroform	**See Below	**80	n/a	ug/L	No	0.28	3.44	1.69	10	No	1.22	3.63	2.57	20	No	ND	0.93	0.39	3
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	0.49	0.49	0.49	1	No	0.42	0.90	0.62	7	No	ND	ND	ND	2
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	3.19	0.53	10	No	ND	3.33	0.79	20	No	ND	0.75	0.33	3
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	2
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.45	1.42	0.86	57	No	0.38	1.20	0.94	31	No	0.70	1.19	0.98	5
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	2
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	1	No	ND	ND	ND	7	No	ND	ND	ND	2
(*MCL is the sum of the starred compounds shown above)																			

**Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane, and bromoform) are a by-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter

WATER QUALITY DATA BY DISTRIBUTION AREA

Disinfectants and Disinfection Byproducts (cont'd)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
					Range of Readings					Range of Readings					Range of Readings				
					Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of	Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)																			
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	0.29	2.51	0.93	16	No	ND	0.96	0.43	10	No	ND	0.35	ND	12
Bromoform	**See Below	**80	n/a	ug/L	No	ND	5.35	0.49	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.06	0.13	0.08	12	No	0.06	0.11	0.08	10	No	0.03	0.09	0.07	12
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10
Chloroform	**See Below	**80	n/a	ug/L	No	0.36	8.86	1.43	16	No	0.53	1.66	1.07	10	No	ND	0.56	0.34	12
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.34	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	0.31	2.49	0.78	16	No	ND	0.67	0.33	10	No	ND	0.29	ND	12
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.42	1.38	0.84	156	No	0.77	1.36	0.99	56	No	0.40	1.32	0.93	104
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	14	No	ND	ND	ND	9	No	ND	ND	ND	10

(*MCL is the sum of the starred compounds shown above)

Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Distribution Area WNWD				
					Range of Readings				
					Violation	Low	High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests
Disinfectant and Disinfection Byproducts (**MCL is the sum of the four starred compounds shown below)									
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	0.95	ND	5
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	5
Bromodichloromethane	**See Below	**80	n/a	ug/L	No	ND	1.40	0.28	27
Bromoform	**See Below	**80	n/a	ug/L	No	ND	0.50	ND	27
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.08	0.55	0.20	14
Chlorodibromoacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	5
Chloroform	**See Below	**80	n/a	ug/L	No	ND	1.90	0.68	27
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.70	0.41	5
Dibromochloromethane	**See Below	**80	n/a	ug/L	No	ND	1.41	0.30	27
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	5
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.66	1.52	0.97	34
Monochloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	ND	ND	5
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.55	ND	5

(*MCL is the sum of the starred compounds shown above)

**Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane, and bromoform) are a by-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter



LEAD AND COPPER INFORMATION

Lead

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. The Suffolk County Water Authority is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time.

You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes.

If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact SCWA at 631-698-9500. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at:

<https://www.epa.gov/safewater/lead>

A Lead Service Line (LSL) is defined as any portion of pipe that is made of lead which connects the water main to the building inlet. An LSL may be owned by the water system, owned by the property owner, or both. The inventory includes both potable and nonpotable SLs within a system. In accordance with the federal Lead and Copper Rule Revisions (LCRR) our system has prepared a lead service line inventory and have made it publicly accessible by (include instructions on how to access the inventory (including inventories consisting only of a statement declaring that the distribution system has no lead, galvanized requiring replacement, or lead status unknown service lines)) and/or visiting our website at:

<https://www.scwa.com/leadandcopper/>

Lead and Copper Rule (LCR) Monitoring

This EPA regulation requires public water systems to monitor drinking water at specific customers' taps every three years, to check the effectiveness of our pH treatment and to ensure the quality of our drinking water. If lead levels exceed 15 parts per billion (ppb) or copper levels exceed 1.3 parts per million (ppm) in more than 10% of these samples, we must improve our corrosion control (pH treatment). SCWA has successfully met the Lead and Copper Rule requirements we are required to test every 3 years. Lead and copper testing was not performed in 2024. Additional information on our pH treatment can be found on page 44.



WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants					Distribution Area 1					Distribution Area 4					Distribution Area 5				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	ND	122.2	37.7	335	No	35.6	46.0	41.5	8	No	35.2	108.0	59.8	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.25	0.03	655	No	ND	0.09	0.06	8	No	ND	0.11	0.05	20
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.22	ND	400	No	ND	ND	ND	8	No	ND	ND	ND	10
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	2.1	ND	655	No	ND	ND	ND	8	No	ND	ND	ND	20
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.07	ND	655	No	ND	ND	ND	8	No	ND	0.20	0.13	20
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	0.64	ND	1,029	No	ND	0.11	ND	38	No	ND	ND	ND	12
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	165.0	ND	361	No	ND	ND	ND	8	No	ND	88.8	ND	10
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	ND	62.0	12.1	1,029	No	ND	0.8	ND	38	No	12.5	54.6	30.5	12
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	3.7	131.9	20.1	386	No	3.2	3.9	3.6	8	No	11.7	142.7	73.7	47
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.4	ND	655	No	ND	ND	ND	8	No	ND	7.3	1.3	20
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	ND	24.3	5.0	335	No	2.8	17.9	8.2	8	No	1.7	20.3	8.5	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/l	No	ND	3.1	ND	655	No	ND	ND	ND	8	No	ND	ND	ND	20
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	330	No	ND	7	ND	8	No	ND	10	ND	10
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	0.23	ND	655	No	ND	ND	ND	8	No	ND	0.08	0.02	20
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	0.5	ND	386	No	ND	ND	ND	8	No	ND	ND	ND	47
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	2.8	190.2	36.4	1,029	No	ND	2.3	ND	38	No	49.9	186.8	109.5	12
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	ND	1.75	0.17	329	No	ND	0.46	0.15	8	No	0.14	9.28	2.26	11
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	956	223	1,029	Yes	200	485	283	38	No	ND	164	40	12
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.3	2.1	655	No	3.5	4.3	3.9	8	No	ND	1.8	1.3	20
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.22	8.62	1.48	1,029	No	ND	ND	ND	38	No	4.38	12.38	8.11	12
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	90	ND	1,029	No	ND	ND	ND	38	No	ND	10	ND	12
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	655	No	ND	ND	ND	8	No	ND	ND	ND	20
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	6.5	1.0	655	No	ND	1.5	ND	8	No	ND	1.7	1.1	20
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	5.71	0.70	385	No	ND	0.01	ND	8	No	3.51	7.54	5.89	47
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	386	No	ND	ND	ND	8	No	ND	ND	ND	47
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	1.99	ND	337	No	ND	ND	ND	8	No	0.48	1.35	0.83	10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.9	7.4	621	No	6.6	7.5	7.1	9	No	6.5	8.0	7.3	22
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.0	8.5	7.4	4,108	No	7.0	8.0	7.4	51	No	7.0	8.2	7.5	158
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	3.80	0.68	1,029	No	0.29	4.22	1.89	38	No	ND	ND	ND	12
Potassium	Naturally occurring	n/a	n/a	mg/l	No	0.23	5.66	0.62	1,029	No	1.14	1.39	1.28	38	No	0.92	2.32	1.58	12
Silicon	Naturally occurring	n/a	n/a	mg/L	No	2.6	8.6	4.9	655	No	4.2	4.4	4.3	8	No	6.8	7.9	7.3	20
Sodium	Naturally occurring	n/a	n/a	mg/L	No	2.3	60.7	6.9	1,029	No	19.4	26.8	23.5	38	No	8.7	71.7	32.9	12
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	35	537	134	335	No	99	120	111	8	No	97	730	336	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	ND	0.199	0.039	655	No	ND	ND	ND	8	No	0.038	0.153	0.110	20
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	50.3	6.9	386	No	7.5	8.4	8.1	8	No	5.6	18.0	12.2	47
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	8.7	ND	1,029	No	ND	ND	ND	38	No	ND	5.9	ND	12
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	45	No	ND	0.9	0.9	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	3.88	ND	336	No	0.8	0.45	ND	8	No	ND	2.39	0.66	10
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	655	No	ND	ND	ND	8	No	ND	ND	ND	20
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.1	ND	655	No	ND	ND	ND	8	No	ND	ND	ND	20
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.07	ND	655	No	ND	ND	ND	8	No	ND	0.03	ND	20
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	339	No	ND	ND	ND	8	No	ND	ND	ND	12
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	339	No	ND	ND	ND	8	No	ND	ND	ND	12
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	335	No	ND	ND	ND	8	No	ND	ND	ND	10
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	336	No	ND	ND	ND	8	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	0.23	ND	288	No	ND	ND	ND	8	No	ND	ND	ND	8
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	0.72	0.09	391	No	ND	ND	ND	8	No	ND	0.64	0.25	29
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	288	No	ND	ND	ND	8	No	ND	ND	ND	8
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	339	No	ND	ND	ND	8	No	ND	ND	ND	12
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	339	No	ND	ND	ND	8	No	ND	ND	ND	12
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	336	No	ND	ND	ND	8	No	ND	ND	ND	12
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.97	ND	474	No	ND	ND	ND	8	No	ND	0.60	0.26	57
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.38	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	0.17	ND	57
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	0.14	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.57	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.23	ND	474	No	ND	ND	ND	8	No	ND	1.19	ND	57
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.52	ND	474	No	ND	ND	ND	8	No	ND	0.55	ND	57
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	0.34	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.16	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	0.27	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	0.30	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	0.78	ND	474	No	ND	ND	ND	8	No	ND	ND	ND	57
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	474	No	ND	ND	ND	8	No	ND	0.31	ND	57

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 6					Distribution Area 7					Distribution Area 8				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO ₃ /L	Naturally occurring	n/a	n/a	mg/L	No	23.8	84.0	56.3	45	No	59.8	68.8	65.8	4	No	25.8	34.2	29.3	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.06	0.03	52	No	0.03	0.04	0.04	4	No	ND	0.03	ND	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	47	No	ND	ND	ND	4	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.06	0.02	52	No	ND	0.04	0.02	4	No	ND	ND	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	398.5	ND	49	No	53.4	62.0	58.1	4	No	ND	ND	ND	8
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	7.1	36.5	23.2	45	No	26.3	33.5	29.5	4	No	9.8	16.9	12.6	8
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	7.3	31.3	21.4	218	No	19.6	28.5	25.6	26	No	5.9	17.2	11.4	8
Chromium, total	Natural deposits	100	100	ug/L	No	ND	13.0	1.9	52	No	ND	2.3	1.4	4	No	ND	ND	ND	8
CO ₂ , calculated	Naturally occurring	n/a	n/a	mg/L	No	0.9	32.9	7.8	45	No	3.7	9.1	6.8	4	No	4.5	14.7	6.8	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	0.7	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	45	No	ND	7	ND	4	No	ND	5	ND	8
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	0.05	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	219	No	ND	ND	ND	26	No	ND	ND	ND	8
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	23.9	123.6	77.1	45	No	87.7	108.0	96.7	4	No	28.0	53.2	38.7	8
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	ND	12.02	1.58	49	No	ND	2.13	1.20	4	No	ND	0.26	0.14	8
Iron	Naturally occurring	300	n/a	ug/L	No	ND	37	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.0	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.48	8.00	4.69	45	No	5.33	5.92	5.56	4	No	0.80	2.78	1.73	8
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	10	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	1.5	0.6	52	No	ND	1.0	0.5	4	No	0.6	1.3	0.9	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	8.62	6.08	219	No	6.00	7.69	7.36	26	No	1.44	3.90	2.63	8
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	219	No	ND	ND	ND	26	No	ND	ND	ND	8
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	2.96	1.06	59	No	ND	1.21	0.79	4	No	0.60	2.05	1.13	8
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.3	7.3	70	No	6.7	7.6	7.2	9	No	6.6	7.1	7.0	9
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.2	7.4	720	No	7.0	8.1	7.2	165	No	7.0	7.7	7.3	66
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.82	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.56	1.50	1.10	45	No	1.05	1.38	1.23	4	No	0.51	0.97	0.73	8
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.9	8.8	6.9	52	No	6.9	8.1	7.4	4	No	3.7	4.0	3.9	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	5.7	16.5	11.1	45	No	11.8	17.3	14.8	4	No	4.8	9.7	7.3	8
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	91	353	226	45	No	249	322	293	4	No	84	174	123	8
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.025	0.125	0.075	52	No	0.086	0.105	0.096	4	No	0.017	0.049	0.032	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	24.1	12.3	219	No	10.1	13.6	12.6	26	No	ND	7.6	3.7	8
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND	ND	ND	8
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	5	No	ND	ND	ND	2	No	ND	ND	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.94	ND	45	No	ND	0.41	ND	4	No	ND	0.72	ND	8
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	52	No	ND	ND	ND	4	No	ND	ND	ND	8
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	4	No	ND	ND	ND	8
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	4	No	ND	ND	ND	8
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	4	No	ND	ND	ND	8
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	47	No	ND	ND	ND	4	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	1.03	0.35	139	No	ND	0.48	0.08	14	No	ND	0.21	0.11	14
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	43	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	4	No	ND	ND	ND	8
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	51	No	ND	ND	ND	4	No	ND	ND	ND	8
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	1.79	ND	63	No	ND	ND	ND	4	No	ND	ND	ND	8
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	1.36	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	2.04	0.44	222	No	ND	0.62	0.32	19	No	ND	ND	ND	12
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	0.44	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.28	ND	222	No	ND	ND	ND	19	No	ND	ND	0.27	12
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	0.53	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	0.48	ND	12
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	1.90	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.25	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	0.53	ND	222	No	ND	ND	ND	19	No	ND	0.35	ND	12
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	1.30	ND	222	No	ND	ND	ND	19	No	ND	ND	ND	12

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 9					Distribution Area 10					Distribution Area 11				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	37.8	91.8	64.0	21	No	ND	66.4	46.9	39	No	26.0	112.4	57.1	42
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.06	0.03	25	No	ND	0.04	0.03	40	No	ND	0.09	0.05	52
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	21	No	ND	ND	ND	41	No	ND	ND	ND	44
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	40	No	ND	ND	ND	52
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.03	0.02	25	No	ND	0.04	ND	40	No	ND	0.07	0.03	52
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	22	No	ND	ND	ND	39	No	ND	ND	ND	52
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	57.4	ND	21	No	ND	63.2	ND	43	No	ND	551.2	69.0	42
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	9.0	36.5	26.1	22	No	12.7	34.9	22.7	39	No	10.8	52.0	27.3	52
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	12.6	45.7	25.6	130	No	11.8	35.0	20.9	208	No	9.9	85.2	43.5	165
Chromium, total	Natural deposits	100	100	ug/L	No	ND	3.9	0.9	25	No	ND	3.1	0.7	40	No	ND	3.1	ND	52
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.8	20.7	7.0	21	No	1.1	31.6	9.0	39	No	1.3	25.4	8.3	42
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	25	No	ND	2.1	ND	40	No	ND	3.1	0.6	52
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	21	No	ND	5	ND	39	No	ND	7	ND	42
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	0.03	ND	25	No	ND	0.06	ND	40	No	ND	ND	ND	52
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	130	No	ND	ND	ND	208	No	ND	ND	ND	165
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	36.8	130.0	91.2	22	No	39.4	115.3	74.1	39	No	35.0	159.7	86.4	52
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	ND	4.02	0.72	25	No	ND	2.99	0.61	40	No	ND	2.48	0.40	42
Iron	Naturally occurring	300	n/a	ug/L	No	ND	37	ND	22	No	ND	31	ND	39	No	ND	60	ND	52
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.8	ND	25	No	ND	ND	ND	40	No	ND	1.1	ND	52
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	2.65	10.53	6.31	22	No	1.76	6.82	4.25	39	No	1.25	7.26	4.42	52
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	39	No	ND	84	20	52
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	40	No	ND	ND	ND	52
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	2.7	0.8	25	No	ND	2.8	1.2	40	No	ND	5.6	1.8	52
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	1.33	9.74	6.64	129	No	0.10	8.47	6.45	205	No	0.13	9.04	6.02	164
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	130	No	ND	ND	ND	206	No	ND	ND	ND	165
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	1.40	0.65	22	No	ND	4.11	1.74	65	No	ND	2.03	0.58	44
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.4	8.5	7.4	61	No	6.5	7.9	7.1	61	No	6.5	8.7	7.2	78
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.0	7.4	385	No	7.0	8.0	7.3	712	No	6.5	9.0	7.4	584
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.29	ND	22	No	ND	ND	ND	39	No	ND	0.25	ND	52
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.82	2.14	1.29	22	No	0.84	1.46	1.09	39	No	0.67	2.23	1.33	52
Silicon	Naturally occurring	n/a	n/a	mg/L	No	4.6	9.7	7.2	25	No	3.6	8.0	5.2	40	No	3.9	7.3	5.1	52
Sodium	Naturally occurring	n/a	n/a	mg/L	No	9.8	22.5	16.2	22	No	7.7	16.3	12.4	39	No	6.7	37.9	20.7	52
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	190	387	298	21	No	131	325	229	39	No	114	512	272	42
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.052	0.130	0.097	25	No	0.031	0.139	0.071	40	No	0.022	0.147	0.071	52
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.3	29.8	16.0	130	No	ND	30.0	12.0	208	No	ND	17.0	8.7	165
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	22	No	ND	ND	ND	39	No	ND	ND	ND	52
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	5	No	ND	0.5	ND	5	No	ND	ND	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	5.21	0.61	21	No	ND	0.86	ND	39	No	ND	3.80	0.59	42
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	40	No	ND	ND	ND	52
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	40	No	ND	ND	ND	52
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	25	No	ND	ND	ND	40	No	ND	0.03	ND	52
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	39	No	ND	ND	ND	46
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	39	No	ND	ND	ND	46
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	40	No	ND	ND	ND	46
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	42	No	ND	ND	ND	63
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	34	No	ND	ND	ND	39
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	1.08	0.25	75	No	ND	1.17	0.41	70	No	ND	1.39	0.42	110
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	18	No	ND	ND	ND	34	No	ND	ND	ND	39
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	39	No	ND	ND	ND	46
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	21	No	ND	ND	ND	39	No	ND	ND	ND	46
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	25	No	ND	ND	ND	39	No	ND	ND	ND	47
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	0.56	ND	194
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	1.96	ND	194
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	0.28	ND	124	No	ND	1.26	ND	194
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	1.32	0.36	94	No	ND	0.81	0.26	124	No	ND	1.11	0.29	194
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	0.46	ND	94	No	ND	0.41	ND	124	No	ND	0.67	ND	194
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	94	No	ND	0.25	ND	124	No	ND	ND	ND	194
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	94	No	ND	6.79	ND	124	No	ND	ND	ND	194
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	94	No	ND	0.34	ND	124	No	ND	1.08	ND	194
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	94	No	ND	0.78	ND	124	No	ND	0.56	ND	194
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	ND	ND	194
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	0.55	ND	94	No	ND	0.39	ND	124	No	ND	0.53	ND	194
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	94	No	ND	0.26	ND	124	No	ND	0.55	ND	194
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	1.54	ND	194
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	0.34	ND	124	No	ND	ND	ND	194
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	94	No	ND	ND	ND	124	No	ND	2.10	ND	194

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occuring Compounds as well as Contaminants						Distribution Area 12					Distribution Area 14					Distribution Area 15				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure		Range of Readings					Range of Readings					Range of Readings				
						Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																				
Alkalinity to pH 4.5 mgCaCO ₃ /L	Naturally occurring	n/a	n/a	mg/L		No	ND	136.0	57.0	268	No	ND	50.4	23.0	15	No	ND	146.4	49.7	168
Aluminum	Naturally occurring	n/a	n/a	mg/L		No	ND	0.36	0.03	472	No	ND	ND	ND	15	No	ND	0.12	0.03	199
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L		No	ND	0.07	ND	299	No	ND	ND	ND	15	No	ND	0.13	ND	178
Arsenic	Erosion of natural deposits	10	0	ug/L		No	ND	4.7	ND	472	No	ND	ND	ND	15	No	ND	1.7	ND	199
Barium	Erosion of natural deposits	2	2	mg/L		No	ND	0.09	ND	472	No	ND	0.02	ND	15	No	ND	0.09	0.02	199
Boron	Naturally occurring	n/a	n/a	mg/L		No	ND	ND	ND	494	No	ND	ND	ND	15	No	ND	ND	ND	236
Bromide	Naturally occurring	n/a	n/a	ug/L		No	ND	86.0	ND	285	No	ND	ND	ND	15	No	ND	93.7	ND	185
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L		No	1.7	61.5	21.6	494	No	2.6	18.0	8.1	15	No	3.3	54.4	22.6	236
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L		No	4.0	130.6	41.6	508	No	4.4	26.5	10.1	17	No	4.2	145.1	38.9	533
Chromium, total	Natural deposits	100	100	ug/L		No	ND	4.5	0.6	472	No	ND	0.9	ND	15	No	ND	3.6	1.0	199
CO ₂ , calculated	Naturally occurring	n/a	n/a	mg/L		No	0.2	62.4	8.2	268	No	3.0	20.3	8.2	15	No	0.9	39.1	9.7	168
Cobalt-59	Naturally occurring	n/a	n/a	ug/L		No	ND	3.0	ND	472	No	ND	ND	ND	15	No	ND	0.9	ND	199
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units		Yes	ND	15	ND	267	No	ND	5	ND	15	No	ND	7	ND	167
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L		No	ND	0.07	ND	472	No	ND	0.06	0.02	15	No	ND	0.05	ND	199
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L		No	ND	ND	ND	508	No	ND	ND	ND	17	No	ND	ND	ND	533
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L		No	5.8	182.3	71.6	494	No	9.8	59.6	25.9	15	No	11.1	181.1	77.4	236
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L		No	ND	3.99	0.53	263	No	0.11	0.83	0.41	15	No	ND	3.63	0.80	156
Iron	Naturally occurring	300	n/a	ug/L		Yes	ND	845	101	494	No	ND	37	ND	15	Yes	ND	1,042	71	236
Lithium	Naturally occurring	n/a	n/a	ug/L		No	ND	5.0	ND	472	No	ND	ND	ND	15	No	ND	3.6	ND	199
Magnesium	Naturally occurring	n/a	n/a	mg/L		No	0.34	18.96	4.31	494	No	0.67	3.56	1.39	15	No	0.69	12.05	5.10	236
Manganese	Naturally occurring	300	n/a	ug/L		No	ND	161	19	494	No	ND	ND	ND	15	No	ND	68	15	236
Molybdenum	Naturally occurring	n/a	n/a	ug/L		No	ND	1.0	ND	472	No	ND	ND	ND	15	No	ND	ND	ND	199
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L		No	ND	6.8	0.7	472	No	ND	0.5	ND	15	No	ND	2.9	0.5	199
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L		No	ND	9.14	4.54	506	No	0.03	4.03	1.39	17	No	0.06	8.97	4.89	532
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L		No	ND	ND	ND	506	No	ND	ND	ND	17	No	ND	ND	ND	532
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L		No	ND	2.62	0.42	266	No	ND	1.39	0.36	15	No	ND	3.88	0.87	196
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units		No	6.3	8.4	7.3	429	No	6.5	7.5	7.0	25	No	6.5	8.3	7.1	226
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units		No	5.5	8.5	7.4	2,966	No	7.0	7.9	7.3	281	No	5.6	8.4	7.4	2,136
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L		No	ND	5.73	0.51	494	No	ND	ND	ND	15	No	ND	2.38	0.52	236
Potassium	Naturally occurring	n/a	n/a	mg/L		No	0.24	3.42	1.14	494	No	0.33	0.99	0.49	15	No	0.32	4.59	1.32	236
Silicon	Naturally occurring	n/a	n/a	mg/L		No	3.1	10.8	6.6	472	No	4.2	6.9	5.2	15	No	4.6	10.8	7.3	199
Sodium	Naturally occurring	n/a	n/a	mg/L		No	3.2	61.3	17.0	494	No	3.7	12.3	5.9	15	No	3.7	86.8	21.3	236
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm		No	48	576	252	268	No	44	208	88	15	No	48	605	245	168
Strontium-88	Naturally occurring	n/a	n/a	mg/L		No	ND	0.194	0.055	472	No	ND	0.050	0.015	15	No	ND	0.168	0.067	199
Sulfate	Naturally occurring	250	n/a	ug/L		No	ND	28.4	14.0	508	No	ND	10.7	3.3	17	No	ND	39.5	12.0	533
Titanium	Naturally occurring	n/a	n/a	ug/L		No	ND	8.9	ND	494	No	ND	ND	ND	15	No	ND	5.1	ND	236
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L		No	ND	0.8	ND	37	No	ND	0.5	ND	5	No	ND	0.6	ND	18
Turbidity	Silts and clays in aquifer	5	n/a	NTU		No	ND	3.15	0.48	268	No	ND	0.46	ND	15	No	ND	2.85	0.45	168
Uranium	Naturally occurring	30	n/a	ug/L		No	ND	ND	ND	472	No	ND	ND	ND	15	No	ND	1.05	ND	199
Vanadium	Naturally occurring	n/a	n/a	ug/L		No	ND	5.4	ND	472	No	ND	ND	ND	15	No	ND	6.8	ND	199
Zinc	Naturally occurring, plumbing	5	n/a	mg/L		No	ND	0.04	ND	472	No	ND	ND	ND	15	No	ND	0.05	ND	199
Synthetic Organic Compounds including Pesticides and Herbicides																				
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L		No	ND	ND	ND	269	No	ND	ND	ND	16	No	ND	ND	ND	181
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L		No	ND	ND	ND	269	No	ND	ND	ND	16	No	ND	ND	ND	181
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L		No	ND	ND	ND	268	No	ND	ND	ND	16	No	ND	ND	ND	174
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L		No	ND	ND	ND	277	No	ND	ND	ND	18	No	ND	0.20	ND	172
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L		No	ND	0.34	ND	238	No	ND	ND	ND	14	No	ND	ND	ND	151
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L		No	ND	1.44	0.16	427	No	ND	0.31	0.11	19	No	ND	0.94	0.21	258
Metalaxyl	Used as a fungicide	50	n/a	ug/L		No	ND	ND	ND	238	No	ND	ND	ND	14	No	ND	ND	ND	151
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L		No	ND	ND	ND	269	No	ND	ND	ND	16	No	ND	ND	ND	181
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L		No	ND	ND	ND	269	No	ND	ND	ND	16	No	ND	ND	ND	181
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L		No	ND	1.28	ND	283	No	ND	ND	ND	16	No	ND	1.67	ND	181
Volatile Organic Compounds																				
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L		No	ND	0.23	ND	575	No	ND	ND	ND	25	No	ND	0.36	ND	344
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L		No	ND	1.76	ND	575	No	ND	ND	ND	25	No	ND	0.27	ND	344
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L		No	ND	0.34	ND	575	No	ND	ND	ND	25	No	ND	0.84	ND	344
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L		No	ND	3.53	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L		No	ND	1.12	ND	575	No	ND	0.31	ND	25	No	ND	1.68	ND	344
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L		No	ND	1.23	ND	575	No	ND	ND	ND	25	No	ND	0.82	ND	344
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	0.34	ND	344
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L		No	ND	0.16	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
Isopropylbenzene	Used as a solvent	5	n/a	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	0.67	ND	344
Methylethylketone	Used in the coating industry	50	n/a	ug/L		No	ND	7.56	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L		No	ND	1.53	ND	575	No	ND	ND	ND	25	No	ND	0.96	ND	344
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L		No	ND	0.83	ND	575	No	ND	ND	ND	25	No	ND	0.34	ND	344
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L		No	ND	0.50	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L		No	ND	1.74	ND	575	No	ND	ND	ND	25	No	ND	0.66	ND	344
Toluene	From paint on inside of water storage tank	5	n/a	ug/L		No	ND	0.20	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	ND	ND	344
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L		No	ND	0.70	ND	575	No	ND	ND	ND	25	No	ND	0.73	ND	344
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L		No	ND	0.94	ND	575	No	ND	ND	ND	25	No	ND	0.51	ND	344
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	2.28	ND	344
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	0.51	ND	344
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L		No	ND	ND	ND	575	No	ND	ND	ND	25	No	ND	0.71	ND	344

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 23					Distribution Area 26					Distribution Area 30				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	24.6	98.8	48.2	133	No	29.5	131.6	59.7	28	No	21.4	147.8	69.6	106
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.17	0.03	141	No	ND	0.08	0.03	28	No	ND	0.18	0.05	139
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.06	ND	139	No	ND	ND	ND	28	No	ND	ND	ND	143
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	141	No	ND	ND	ND	28	No	ND	ND	ND	139
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.09	0.03	141	No	0.02	0.09	0.05	28	No	ND	0.08	0.03	139
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	253	No	ND	ND	ND	131	No	ND	ND	ND	175
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	177.5	ND	143	No	ND	119.4	69.4	32	No	ND	595.4	83.9	124
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	7.6	55.9	24.4	253	No	9.2	52.3	22.3	131	No	8.2	68.0	32.5	175
Chloride	Naturally occurring,salt water intrusion,road salt	250	n/a	mg/L	No	9.4	75.7	37.5	250	No	26.1	76.1	44.4	31	No	15.5	226.7	53.9	546
Chromium, total	Natural deposits	100	100	ug/L	No	ND	1.3	ND	141	No	ND	0.8	ND	28	No	ND	2.0	0.5	139
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.2	24.3	6.4	125	No	0.9	22.9	6.3	28	No	0.8	38.9	9.5	106
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	4.5	ND	141	No	ND	0.9	ND	28	No	ND	ND	ND	139
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	123	No	ND	7	ND	28	No	ND	7	ND	104
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	0.08	ND	141	No	ND	ND	ND	28	No	ND	0.34	ND	139
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	250	No	ND	ND	ND	31	No	ND	ND	ND	546
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	25.6	169.1	81.0	253	No	40.4	172.6	83.0	131	No	33.2	242.2	111.5	175
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	ND	1.47	0.36	122	No	ND	0.44	0.19	28	No	ND	1.62	0.33	98
Iron	Naturally occurring	300	n/a	ug/L	Yes	ND	809	139	253	Yes	ND	819	116	131	No	ND	143	36	175
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.4	1.2	141	No	ND	2.3	1.2	28	No	ND	2.7	ND	139
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.50	8.99	4.86	253	No	3.20	10.18	6.60	131	No	2.99	19.65	7.38	175
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	17.1	30	253	No	ND	122	18	131	No	ND	201	32	175
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	141	No	ND	ND	ND	28	No	ND	ND	ND	139
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	3.1	0.6	141	No	ND	1.5	0.5	28	No	ND	1.6	0.5	139
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	ND	8.34	3.75	251	No	0.28	4.70	2.05	31	No	0.02	7.80	4.84	544
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	0.017	ND	250	No	ND	ND	ND	31	No	ND	ND	ND	544
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	1.14	ND	131	No	ND	0.35	ND	28	No	ND	2.98	1.36	162
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.5	8.7	7.3	192	No	6.8	8.0	7.4	40	No	6.5	8.5	7.3	197
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.0	8.5	7.4	1,329	No	7.0	8.5	7.5	267	No	6.0	8.5	7.5	906
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	2.89	0.56	253	No	ND	4.18	1.23	131	No	ND	3.29	0.46	175
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.44	3.86	1.44	253	No	1.00	2.31	1.68	131	No	0.63	5.54	2.48	175
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.2	10.4	7.6	141	No	7.4	11.0	9.2	28	No	4.1	8.9	6.5	139
Sodium	Naturally occurring	n/a	n/a	mg/L	No	7.2	39.3	18.4	253	No	15.7	40.7	27.2	131	No	9.1	97.9	37.2	175
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	87	489	239	125	No	185	436	313	28	No	155	1,021	407	106
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.021	0.133	0.071	141	No	0.046	0.127	0.082	28	No	0.046	0.235	0.111	139
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.8	61.8	21.1	250	No	8.6	25.0	13.0	31	No	6.6	72.0	34.4	546
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	253	No	ND	ND	ND	131	No	ND	5.9	ND	175
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.7	0.6	16	No	0.5	0.7	0.6	6	No	0.6	0.8	0.7	10
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	3.88	0.42	125	No	ND	7.48	1.08	28	No	ND	2.33	0.45	106
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	141	No	ND	ND	ND	28	No	ND	ND	ND	139
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	5.7	ND	141	No	ND	ND	ND	28	No	ND	1.3	ND	139
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.03	ND	141	No	ND	0.05	ND	28	No	ND	ND	ND	139
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	146	No	ND	ND	ND	28	No	ND	1.36	ND	136
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	0.80	ND	146	No	ND	ND	ND	28	No	ND	1.04	ND	136
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	131	No	ND	ND	ND	28	No	ND	0.54	ND	190
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	131	No	ND	ND	ND	28	No	ND	ND	ND	118
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	0.48	ND	119	No	ND	0.33	ND	26	No	ND	0.29	ND	123
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	0.23	ND	153	No	ND	0.60	0.09	44	No	ND	0.18	ND	139
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	119	No	ND	ND	ND	26	No	ND	0.40	ND	123
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	2.47	ND	146	No	ND	ND	ND	28	No	ND	2.51	ND	136
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	0.87	ND	146	No	ND	ND	ND	28	No	ND	2.77	ND	136
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	1.07	ND	136	No	ND	ND	ND	28	No	ND	9.14	1.39	173
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	0.14	ND	59	No	ND	ND	ND	198
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	2.42	ND	242	No	ND	0.47	ND	59	No	ND	ND	ND	198
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	0.29	ND	59	No	ND	ND	ND	198
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	0.34	ND	198
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	1.89	ND	242	No	ND	0.17	ND	59	No	ND	ND	ND	198
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	0.28	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.41	ND	242	No	ND	0.36	ND	59	No	ND	0.27	ND	198
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	242	No	ND	1.04	ND	59	No	ND	ND	ND	198
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	0.56	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	59	No	ND	ND	ND	198
Trichlorofluoromethane	Dry cleaning,propellant,fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	242	No	ND	ND	ND	5					

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 32					Distribution Area 34					Distribution Area 35				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	28.4	63.2	43.2	6	No	35.2	50.8	41.3	7	No	63.6	117.0	82.6	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.08	0.05	6	No	ND	0.03	ND	7	No	ND	ND	ND	8
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.02	ND	6	No	ND	ND	ND	7	No	ND	0.02	ND	8
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	7	No	ND	51.5	ND	7	No	ND	179.9	72.4	8
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	9.0	22.3	16.7	6	No	11.5	21.4	14.2	7	No	23.4	33.2	26.8	8
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	17.4	76.7	46.7	6	No	13.0	17.8	14.2	7	No	ND	29.3	8.3	19
Chromium, total	Natural deposits	100	100	ug/L	No	0.6	2.4	1.0	6	No	ND	0.6	ND	7	No	ND	ND	ND	8
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	3.2	10.2	5.2	6	No	1.9	8.2	4.9	7	No	7.2	32.8	16.0	8
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	7	ND	6	No	ND	5	ND	7	No	ND	5	ND	8
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	0.03	ND	7	No	ND	0.11	0.07	8
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	19
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	30.9	65.9	51.0	6	No	40.9	68.6	49.7	7	No	86.9	141.3	110.2	8
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	0.28	1.99	0.77	6	No	0.25	0.53	0.36	7	No	ND	0.14	ND	8
Iron	Naturally occurring	300	n/a	ug/L	No	ND	7.1	48	6	No	ND	67	ND	7	No	ND	ND	ND	8
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.64	2.62	2.29	6	No	2.63	5.24	3.46	7	No	6.91	14.18	10.50	8
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.37	0.73	0.62	6	No	0.48	2.05	0.83	7	No	ND	7.05	1.96	19
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	0.112	0.012	19
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	0.35	ND	6	No	ND	ND	ND	7	No	ND	1.37	0.77	11
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	7.4	7.3	7	No	7.0	7.7	7.3	8	No	6.7	8.7	7.2	18
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.5	7.5	67	No	7.0	7.9	7.3	112	No	7.0	8.0	7.4	98
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.29	ND	7	No	ND	ND	ND	8
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.59	0.80	0.68	6	No	0.67	1.37	0.82	7	No	1.25	1.75	1.46	8
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.8	5.6	4.8	6	No	5.8	8.7	6.6	7	No	8.0	8.6	8.3	8
Sodium	Naturally occurring	n/a	n/a	mg/L	No	12.3	49.0	29.5	6	No	8.5	11.4	9.5	7	No	30.4	55.7	38.2	8
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	199	347	290	6	No	131	223	158	7	No	327	565	429	8
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.038	0.064	0.054	6	No	0.036	0.065	0.046	7	No	0.080	0.153	0.118	8
Sulfate	Naturally occurring	250	n/a	mg/L	No	5.1	7.4	6.0	6	No	8.0	20.4	11.6	7	No	ND	61.9	9.1	19
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.7	ND	2	No	0.5	0.7	0.6	3	No	ND	0.5	ND	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	1.96	0.64	6	No	ND	0.66	ND	7	No	ND	ND	ND	8
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	2.3	ND	7	No	ND	ND	ND	8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	0.02	ND	8
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	12
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	12
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	8
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	5	No	ND	ND	ND	7	No	ND	ND	ND	14
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	0.08	ND	9
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	5	No	ND	ND	ND	7	No	ND	ND	ND	14
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	12
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	ND	ND	12
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	7	No	ND	1.67	ND	29
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	11	No	ND	ND	ND	29

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 44					Distribution Area 53					Distribution Area 54				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	39.4	49.6	44.8	6	No	ND	54.2	38.9	14	No	22.0	52.4	33.5	25
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.02	ND	6	No	0.08	0.92	0.42	23	No	0.07	0.77	0.34	36
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	30
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	23	No	ND	ND	ND	36
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	23	No	ND	ND	ND	36
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	62	No	ND	0.13	ND	70
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	55.0	ND	6	No	ND	ND	ND	22	No	ND	ND	ND	38
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	14.9	31.3	17.9	6	No	ND	0.9	ND	62	No	ND	1.6	ND	70
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	16.0	23.1	19.0	6	No	4.4	6.6	5.0	14	No	3.5	5.9	4.8	24
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.5	ND	6	No	ND	1.0	ND	23	No	ND	1.0	ND	36
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.6	7.2	3.8	6	No	1.7	13.2	6.6	14	No	1.2	14.0	5.3	25
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	23	No	ND	ND	ND	36
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	Yes	ND	15	8	14	Yes	ND	15	8	25
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	0.06	ND	23	No	ND	ND	ND	36
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	0.2	ND	24
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	51.7	108.7	61.9	6	No	ND	3.9	ND	62	No	ND	5.1	ND	70
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	0.25	1.11	0.48	6	No	ND	0.48	0.13	14	No	ND	0.56	ND	24
Iron	Naturally occurring	300	n/a	ug/L	No	ND	239	55	6	Yes	120	800	321	62	Yes	92	733	265	70
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.1	ND	6	No	4.2	9.7	6.5	23	No	2.6	6.4	4.1	36
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	3.38	7.45	4.17	6	No	ND	0.39	ND	62	No	ND	0.78	ND	70
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	38	11	6	No	ND	12	ND	62	No	ND	ND	ND	70
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	23	No	ND	ND	ND	36
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.8	ND	23	No	ND	3.6	ND	36
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.78	1.14	0.91	6	No	ND	0.01	ND	14	No	ND	0.02	ND	24
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.1	7.8	7.4	6	No	6.6	7.5	7.1	16	No	6.6	7.8	7.2	25
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.0	7.4	62	No	6.3	8.0	7.2	88	No	7.0	8.9	7.4	157
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	0.75	0.21	6	No	ND	3.81	1.14	62	No	ND	1.77	0.37	70
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.79	1.04	0.85	6	No	1.63	4.22	2.81	62	No	0.97	3.61	1.75	70
Silicon	Naturally occurring	n/a	n/a	mg/L	No	6.7	10.0	7.3	6	No	4.0	5.7	5.0	23	No	4.5	6.0	5.0	36
Sodium	Naturally occurring	n/a	n/a	mg/L	No	10.5	13.4	11.9	6	No	9.1	26.5	19.8	62	No	12.3	26.1	17.8	70
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	167	315	202	6	No	60	122	100	14	No	57	108	85	25
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.044	0.118	0.058	6	No	ND	ND	ND	23	No	ND	ND	ND	36
Sulfate	Naturally occurring	250	n/a	mg/L	No	10.1	62.7	19.4	6	No	4.1	5.0	4.6	14	No	3.6	5.9	4.2	24
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	38.7	15.3	62	No	ND	30.2	12.2	70
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.6	0.6	0.6	2	No	0.7	1.1	0.9	2	No	0.7	0.9	0.8	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.79	ND	6	No	0.58	3.44	1.82	14	No	ND	2.56	1.08	25
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	23	No	ND	ND	ND	36
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.1	ND	6	No	ND	1.0	ND	23	No	ND	1.4	ND	36
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	0.14	0.03	23	No	ND	0.02	ND	36
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	13	No	ND	ND	ND	18
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Metaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	13	No	ND	ND	ND	18
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	0.59	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	14	No	ND	ND	ND	24
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	1.38	0.14	24	No	ND	ND	ND	28
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	24	No	ND	ND	ND	28

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area 57					Distribution Area 64					Distribution Area 67				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Range of Readings					Range of Readings					Range of Readings				
					Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO3/L	Naturally occurring	n/a	n/a	mg/L	No	37.4	67.2	53.5	6	No	59.6	79.4	71.2	7	No	53.8	55.8	54.5	3
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.03	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	3
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.04	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	39	No	ND	ND	ND	4
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	59.5	ND	8	No	ND	264.8	90.6	12	No	ND	ND	ND	3
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	11.5	22.9	18.0	6	No	8.3	17.8	10.7	39	No	1.4	2.0	1.7	4
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	24.7	38.2	31.4	6	No	22.1	86.7	41.2	8	No	9.3	16.4	12.2	3
Chromium, total	Natural deposits	100	100	ug/L	No	ND	0.7	0.5	6	No	ND	0.8	0.6	8	No	ND	0.6	ND	4
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	0.9	15.4	5.2	6	No	3.8	19.2	10.1	7	No	7.5	8.3	8.0	3
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	5	ND	6	No	ND	7	ND	7	No	ND	ND	ND	3
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	0.13	0.07	4
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Hardness, total	Measure of the calcium and magnesium	100	n/a	mg/L	No	46.1	76.5	64.1	6	No	40.6	69.2	49.4	39	No	5.7	7.8	7.2	4
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.23	0.42	0.33	6	No	0.26	0.52	0.33	8	No	0.14	0.26	0.20	3
Iron	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	Yes	ND	412	97	39	No	ND	78	56	4
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	2.2	1.4	6	No	ND	ND	ND	8	No	5.7	8.0	6.4	4
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	4.24	5.18	4.63	6	No	3.73	9.07	5.52	39	No	0.57	1.05	0.73	4
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	39	No	ND	ND	ND	4
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.6	ND	8	No	ND	ND	ND	4
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.67	2.75	1.40	6	No	0.44	1.61	1.10	8	No	ND	ND	ND	3
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.9	8.1	7.5	6	No	6.9	7.6	7.2	10	No	7.1	7.2	7.2	4
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.1	8.1	7.6	61	No	7.0	8.0	7.4	34	No	7.0	7.2	7.1	7
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	6	No	ND	2.28	1.44	39	No	ND	ND	ND	4
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.91	1.60	1.20	6	No	0.91	1.72	1.17	39	No	4.84	6.62	5.43	4
Silicon	Naturally occurring	n/a	n/a	mg/L	No	7.0	9.8	8.8	6	No	8.7	10.1	9.6	8	No	3.6	3.8	3.7	4
Sodium	Naturally occurring	n/a	n/a	mg/L	No	15.6	22.5	19.4	6	No	23.2	67.8	42.1	39	No	28.0	33.0	29.6	4
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	181	287	240	6	No	239	452	312	7	No	157	183	169	3
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.046	0.075	0.064	6	No	0.059	0.082	0.067	8	No	ND	ND	ND	4
Sulfate	Naturally occurring	250	n/a	mg/L	No	9.1	13.4	10.2	6	No	9.4	11.5	10.4	8	No	10.6	10.8	10.7	3
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	39	No	ND	ND	ND	4
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.7	0.7	0.7	2	No	0.6	1.6	1.1	2	No	ND	ND	ND	1
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.46	ND	6	No	ND	1.43	0.59	7	No	ND	ND	ND	3
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	4
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	ND	ND	6	No	ND	0.14	ND	12	No	ND	ND	ND	3
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	8	No	ND	ND	ND	3
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	10	No	ND	ND	ND	20	No	ND	ND	ND	3

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area EFWD					Distribution Area RSWD					Distribution Area SBWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests	Violation of Yes/No	Range of Readings Low Value	High Value	Avg. Value	No. of Tests
Inorganics																			
Alkalinity to pH 4.5 mgCaCO ₃ /L	Naturally occurring	n/a	n/a	mg/L	No	26.4	41.4	35.1	4	No	31.6	36.0	33.8	2	No	24.0	51.0	35.4	4
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	0.02	0.05	0.03	4	No	ND	ND	ND	2	No	ND	0.07	0.03	4
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	12	No	ND	ND	ND	10	No	ND	52.0	ND	12
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	9.3	15.9	12.5	4	No	9.7	10.0	9.9	2	No	8.1	23.0	13.2	4
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	6.0	11.0	8.4	4	No	11.3	16.6	13.9	2	No	6.5	11.1	8.2	4
Chromium, total	Natural deposits	100	100	ug/L	No	ND	ND	ND	4	No	0.5	0.6	0.5	2	No	ND	2.0	1.0	4
CO ₂ , calculated	Naturally occurring	n/a	n/a	mg/L	No	1.8	3.7	2.5	4	No	3.8	5.2	4.5	2	No	4.9	9.8	6.6	4
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Copper, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	5	5	5	4	No	5	5	5	2	No	ND	ND	ND	4
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	25.2	44.1	34.2	4	No	34.1	36.6	35.4	2	No	25.5	69.6	40.5	4
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	ND	0.49	0.29	4	No	0.43	0.79	0.61	2	No	0.20	0.80	0.53	4
Iron	Naturally occurring	300	n/a	ug/L	No	48	86	64	4	No	ND	ND	ND	2	No	ND	111	59	4
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.5	ND	4	No	ND	1.1	ND	2	No	ND	ND	ND	4
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	0.49	1.09	0.75	4	No	2.37	2.81	2.59	2	No	1.14	2.97	1.85	4
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	2.1	1.3	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.05	0.42	0.18	4	No	0.03	0.07	0.05	2	No	0.67	2.72	1.63	4
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	0.27	ND	4	No	ND	ND	ND	2	No	ND	0.34	ND	4
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.2	8.7	7.7	8	No	7.1	7.2	7.2	2	No	6.9	7.2	7.0	4
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.2	7.4	152	No	7.0	7.9	7.3	50	No	7.0	7.7	7.2	100
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.32	0.52	0.42	4	No	0.57	0.61	0.59	2	No	0.44	0.73	0.55	4
Silicon	Naturally occurring	n/a	n/a	mg/L	No	3.3	3.7	3.4	4	No	6.3	7.5	6.9	2	No	5.4	6.4	5.8	4
Sodium	Naturally occurring	n/a	n/a	mg/L	No	3.7	6.5	4.9	4	No	7.0	10.3	8.6	2	No	5.2	9.3	6.9	4
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	73	129	100	4	No	118	133	125	2	No	84	186	120	4
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.019	0.034	0.027	4	No	0.033	0.035	0.034	2	No	0.014	0.038	0.023	4
Sulfate	Naturally occurring	250	n/a	mg/L	No	ND	8.3	3.9	4	No	7.0	7.0	7.0	2	No	ND	2.7	ND	4
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	ND	0.6	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.43	ND	4	No	ND	ND	ND	2	No	ND	0.79	0.40	4
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Synthetic Organic Compounds including Pesticides and Herbicides																			
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	0.14	ND	4	No	ND	ND	ND	2	No	ND	0.21	0.14	4
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	4	No	ND	ND	ND	2	No	ND	ND	ND	4
Volatile Organic Compounds																			
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Chlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	0.26	ND	12
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	16	No	ND	ND	ND	10	No	ND	ND	ND	12

WATER QUALITY DATA BY DISTRIBUTION AREA

Naturally Occurring Compounds as well as Contaminants					Distribution Area WNWd				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	Range of Readings High Value	Avg. Value	No. of Tests
Inorganics									
Alkalinity to pH 4.5 mgCaCO ₃ /L	Naturally occurring	n/a	n/a	mg/L	No	70.2	152.0	119.1	10
Aluminum	Naturally occurring	n/a	n/a	mg/L	No	ND	0.04	ND	12
Ammonia, free	Some fertilizers, septic systems	n/a	n/a	mg/L	No	ND	0.09	ND	12
Arsenic	Erosion of natural deposits	10	0	ug/L	No	ND	ND	ND	12
Barium	Erosion of natural deposits	2	2	mg/L	No	ND	0.06	0.03	12
Boron	Naturally occurring	n/a	n/a	mg/L	No	ND	ND	ND	38
Bromide	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	14
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	5.9	16.7	10.3	38
Chloride	Naturally occurring, salt water intrusion, road salt	250	n/a	mg/L	No	11.9	62.6	23.1	23
Chromium, total	Natural deposits	100	100	ug/L	No	ND	2.1	0.9	12
CO ₂ , calculated	Naturally occurring	n/a	n/a	mg/L	No	0.7	61.9	16.1	10
Cobalt-59	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	12
Color, Apparent	Naturally occurring metals or minerals	15	n/a	Color Units	No	ND	12	ND	10
Copper	Household plumbing, leaching of wood preservatives	AL=1.3	1.3	mg/L	No	ND	0.04	ND	12
Fluoride	Erosion of natural deposits	2.2	n/a	mg/L	No	ND	ND	ND	23
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	25.7	54.0	38.6	38
Hexavalent Chromium	Erosion of natural deposits	100	n/a	ug/L	No	ND	1.94	0.78	10
Iron	Naturally occurring	300	n/a	ug/L	No	ND	220	ND	38
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	12
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	1.96	4.79	3.14	38
Manganese	Naturally occurring	300	n/a	ug/L	No	ND	128	30	38
Molybdenum	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	12
Nickel	Alloys, coatings manufacturing, batteries	n/a	n/a	ug/L	No	ND	ND	ND	12
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	2.87	5.99	4.62	23
Nitrite	Natural deposits, fertilizer, septic tanks	1	1	mg/L	No	ND	ND	ND	23
Perchlorate	Fertilizers, solid fuel propellant, fireworks	18	n/a	ug/L	No	ND	0.40	ND	10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	6.6	8.6	7.4	13
pH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	8.0	7.4	39
Phosphate, total	Added to keep iron in solution	n/a	n/a	mg/L	No	ND	1.16	0.62	38
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.83	4.03	2.31	38
Silicon	Naturally occurring	n/a	n/a	mg/L	No	5.7	8.9	6.7	12
Sodium	Naturally occurring	n/a	n/a	mg/L	No	32.3	83.3	60.7	38
Specific Conductance	Total of naturally occurring minerals	n/a	n/a	umho/cm	No	208	514	365	10
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.048	0.133	0.078	12
Sulfate	Naturally occurring	250	n/a	mg/L	No	9.2	17.5	11.8	23
Titanium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	38
Total Organic Carbon (TOC)	Naturally occurring	n/a	n/a	mg/L	No	0.9	1.1	1.0	2
Turbidity	Silts and clays in aquifer	5	n/a	NTU	No	ND	0.73	ND	10
Uranium	Naturally occurring	30	n/a	ug/L	No	ND	ND	ND	12
Vanadium	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	12
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND	0.03	ND	12
Synthetic Organic Compounds including Pesticides and Herbicides									
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	10
Alachlor OA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	10
Aldicarb Sulfoxide	Pesticide used on row crops	4	1	ug/L	No	ND	ND	ND	10
Chlordane, Total	Residue of banned termiticide	2	n/a	ug/L	No	ND	ND	ND	10
Diethyltoluamide (DEET)	Insect Repellent	50	n/a	ug/L	No	ND	0.27	ND	10
1,4-Dioxane	Used in manufacturing processes	1	n/a	ug/L	No	ND	ND	ND	10
Metalaxyl	Used as a fungicide	50	n/a	ug/L	No	ND	ND	ND	10
Metolachlor ESA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	10
Metolachlor OA	Degradation product of Metolachlor	50	n/a	ug/L	No	ND	ND	ND	10
Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a	ug/L	No	ND	ND	ND	10
Volatile Organic Compounds									
Chlorobenzene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	27
Chlorodifluoromethane	Used as a refrigerant	5	n/a	ug/L	No	ND	ND	ND	27
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	27
Dichlorodifluoromethane	Refrigerant, aerosol propellant	5	n/a	ug/L	No	ND	ND	ND	27
1,1-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	27
1,2-Dichloroethane	Degreaser, gasoline, manufacturing	5	n/a	ug/L	No	ND	ND	ND	27
1,1-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	27
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	27
Ethyl Benzene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	27
Isopropylbenzene	Used as a solvent	5	n/a	ug/L	No	ND	ND	ND	27
Methylethylketone	Used in the coating industry	50	n/a	ug/L	No	ND	ND	ND	27
Methyl-Tert-Butyl Ether	Gasoline	10	n/a	ug/L	No	ND	0.92	ND	27
o-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	27
p,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	27
Tetrachloroethene	Factories, dry cleaners, spills	5	0	ug/L	No	ND	ND	ND	27
Toluene	From paint on inside of water storage tank	5	n/a	ug/L	No	ND	ND	ND	27
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5	n/a	ug/L	No	ND	ND	ND	27
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No	ND	ND	ND	27
Trichloroethene	Metal degreasing sites, factories	5	0	ug/L	No	ND	ND	ND	27
Trichlorofluoromethane	Dry cleaning, propellant, fire extinguishers	5	n/a	ug/L	No	ND	ND	ND	27
1,2,3-Trichloropropane	Degreasing agent, manufacturing	5	n/a	ug/L	No	ND	ND	ND	27
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a	ug/L	No	ND	ND	ND	27

WELL MONITORING FOR TOTAL COLIFORM

All SCWA wells prior to chlorination (source water monitoring) and the chlorinated water leaving the pump stations are tested quarterly for total coliform bacteria as required. Filtered wells are tested monthly. As part of the GWR, EPA also requires reporting E. coli when found in source water (SW) monitoring. In 2024, all source water monitoring samples were E. coli-negative (no E. coli was found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found. In 2024, all entry points to distribution (EPTD) samples were total coliform-negative (no coliforms, including E. coli were found), except as noted in the chart below. Additional samples from these wells were total coliform-negative (no coliforms, including E. coli were found), and no sanitary deficiencies were found.

2024 Microbiological Test Results for Wells and Heterotrophic Plate Count (HPC)

Well Location	Collection Point at Pump Station	Test Results
Distribution Area 09*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 11*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 12*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 15*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 30*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 35*	SW (prior to chlorination)	Total coliform-positive, E. coli-positive
Distribution Area 01*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area WNWD*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 12*	EPTD (prior to chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 15*	EPTD (prior to chlorination)	Total coliform-positive, E. coli-negative
Distribution Area WNWD*	EPTD (prior to chlorination)	Total coliform-positive, E. coli-negative

*Please see map on pages 2 and 3 for the distribution area location.

SCWA's lab also tests every filtration system and water storage tank for total coliform and performs Heterotrophic Plate Count (HPC) measurements. Since most bacteria, including many of the



bacteria associated with drinking water systems are heterotrophs, this test can provide useful information about water quality. In 2024, the HPC results for our storage tanks were negative (no heterotrophs were found). The HPC results for our filter systems can be found in the 2024 Drinking Water Quality Report Supplement. Please see page 41 for more information on this report.

MICROBIOLOGICAL TESTING AND MONITORING REQUIREMENTS

To reduce the risk of illness caused by microbial contamination the SCWA tests for total coliform bacteria, including E. coli. Total coliform bacteria are a conservative indicator of the potential for contamination from waste and provides a basis for investigation to determine and correct sanitary deficiencies. E. coli is a coliform bacteria that indicates fecal contamination and an immediate concern requiring prompt investigation. The Total Coliform Rule (TCR) and Ground Water Rule

(GWR) are EPA regulations that require us to test our distribution system for total coliform bacteria. When there is a total coliform-positive result found in a distribution system sample, we are then required to test our wells in the surrounding area. This is called Triggered Source Water Monitoring. In 2024, all Triggered Source Water monitoring samples were total coliform-negative (no coliforms, including E. coli were found).

Revised Total Coliform Rule (RTCR) and Groundwater Rule (GWR) Monitoring

On April 1, 2016, the EPA revised its existing Total Coliform Rule. The revised rule (RTCR) establishes a maximum contaminant level (MCL) for E. coli and uses E. coli and total coliforms to initiate a “find and fix” approach to address fecal contamination that could enter the distribution system. It requires public water systems (PWSs) to perform assessments to identify sanitary defects and subsequently take action to correct them. In 2024, we collected an average of 905 total coliform samples each month, including samples from Brentwood, Dering Harbor,

East Farmingdale, Fair Harbor, Riverside, Stony Brook, Oak Beach and West Neck Water Districts. The number of samples required is based on the population in each distribution area.

Large distribution areas (greater than 40 total coliform samples collected monthly), shown in Table I below, must report the highest percentage of positive samples collected in any one month. Small distribution areas (40 or less total coliform samples collected monthly), shown in Table II below, must report the highest number of positive samples.

Revised Total Coliform Rule Level 1 & Level 2 Assessment Definitions

In 2024 we found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct an assessment (s) to identify problems and to correct any problems that were found during these assessments.

- **Level 1 Assessment:** A Level 1 assessment is an evaluation of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in our water system.
- **Level 2 Assessment:** A Level 2 assessment is an evaluation of the water system to identify potential problems and determine, if possible, why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

2024 Microbiological Test Results for Distribution

TABLE I – Microbiological Test Results
for Large Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measure	Likely Source
Total Coliform Bacteria	Yes/No	Presence of Coliform in 5% of Monthly Samples	0	n/a	Naturally Present in the Environment
Distribution Area		Highest Monthly Percentage Positive	Lowest Monthly Percentage Positive	Average Monthly Percentage Positive	No. of Tests for the Year
10	No	2.1%	0%	0.2%	535

Distribution Areas 1, 12, 15, 20, 23
had no detections of total coliform in 2024.

TABLE II – Microbiological Test Results
for Small Water Distribution Areas

Compound	Violation	MCL	MCLG	Unit Measure	Likely Source
Total Coliform Bacteria	Yes/No	Two or More Positive Samples	0	n/a	Naturally Present in the Environment
Distribution Area		Highest Monthly Amount Positive	Lowest Monthly Amount Positive	Average Monthly Amount Positive	No. of Tests for the Year
11	N/A	1	0	0.1	339

Distribution Areas 4, 5, 6, 7, 8, 9, 14, 26, 30, 32, 34, 35, 44, 53, 54, 57, 64,
Stony Brook, Riverside, East Farmingdale, Oak Beach and West Neck Water Districts
had no detections of total coliform in 2024.

DISINFECTION BYPRODUCTS RULE MONITORING

The SCWA is required to use a disinfectant to reduce the potential of microbial contamination. Chlorine is used to prevent bacterial growth in our distribution system. Disinfectants, such as chlorine, can react with the naturally occurring components in water to form byproducts referred to as disinfection byproducts (DBPs). DBPs, if consumed in excess of the MCL over many years, may lead to increased health risks. To increase public health protection by reducing the potential risk of adverse health effects associated with DBPs from the required chlorination of our drinking water, the SCWA tests for two types of DBPs - Trihalomethanes (THMs) and Haloacetic Acids (HAAs). The MCL is 80 ppb for the sum of the four THMs, and for the sum of five HAAs the MCL is 60 ppb.

The Stage 2 Disinfectant and Disinfection Byproducts Rule (DBPR) is an EPA regulation that requires us to monitor our distribution system quarterly for four THMs (chloroform, bromodichloromethane, dibromochloromethane, and bromoform) and five HAAs (monochloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid). The chart below includes the range of quarterly results for the sum of the two groups of DBPs and the highest Locational Running Annual Average as required. The SCWA also monitors the wells and storage tanks for various other DBPs, including chlorate and four additional HAAs. The 2024 disinfectant and disinfection byproducts results for each distribution area are noted on pages 16-19.

2024 Stage 2 DBPR Test Results

Detected Compound		Total Trihalomethanes				Total Haloacetic Acids			
Likely Source		Byproduct of chlorination				Byproduct of chlorination			
MCL		80				60			
MCLG		N/A				N/A			
Unit of Measure		ug/L				ug/L			
		Range of Readings				Range of Readings			
Location	Sample Site	Low Value	High Value	Annual Average	No. of Tests	Low Value	High Value	Annual Average	No. of Tests
SCWA - Zone 1	1	3.19	11.26	6.11	4	0.43	3.81	1.33	4
SCWA - Zone 6	2	3.26	15.99	9.35	4	ND	2.47	1.36	4
SCWA - Zone 10	3	ND	1.10	0.74	4	ND	ND	ND	4
SCWA - Zone 12	4	11.51	23.72	18.36	4	0.56	4.16	2.82	4
SCWA - Zone 1	5	8.79	29.65	17.09	4	1.12	2.91	2.13	4
SCWA - Zone 26	6	4.08	16.00	9.53	4	0.59	1.20	0.79	4
SCWA - Zone 30	7	1.44	7.23	3.53	4	0.55	0.62	0.58	4
SCWA - Zone 54	8	1.16	6.88	3.03	4	0.55	2.59	1.21	4
SCWA - Zone 64	9	4.85	8.17	6.55	4	0.48	0.73	0.60	4
FHWD	1	1.99	8.50	4.46	4	1.16	9.95	4.51	4
FHWD	2	1.16	9.05	4.41	4	0.98	9.77	4.63	4
EFWD	1	1.97	2.37	2.08	4	ND	ND	ND	4
EFWD	2	2.71	4.09	3.43	4	ND	0.50	ND	4
SBWD	1	ND	0.43	0.31	4	ND	ND	ND	4
SBWD	2	0.31	0.76	0.46	4	ND	ND	ND	4
RSWD	1	0.53	1.96	1.28	4	ND	ND	ND	4
RSWD	2	0.92	3.28	2.48	4	ND	ND	ND	4
WNWD	1	1.31	4.99	3.11	1	ND	1.16	0.68	4

IRON, MANGANESE, RADIOLOGICAL INFORMATION

Iron and Manganese

Iron is a common metal and a dietary mineral that is essential for maintaining human health. It is used in construction materials, in drinking water pipes, in paint pigments and plastics, and as a treatment for iron deficiency in humans. Iron can be elevated in drinking water in areas where there are high concentrations of iron in soil and rocks, and where iron salts are used in the water treatment process. Iron can also get into drinking water from corrosion of cast iron, steel, and galvanized iron pipes used for water distribution. Elevated levels of iron in water can result in a rusty color and sediment, a metallic taste, and reddish or orange staining.

Although iron is essential for good health, too much iron can cause adverse health effects. For example, oral exposure to very large amounts of iron can cause effects on the stomach and intestines (nausea, vomiting, diarrhea, constipation and stomach pain). These effects occur at iron exposure levels higher than those typically found in drinking water, and usually diminish once the elevated iron exposure is stopped. A small percentage of people have a condition called hemochromatosis, in which the body absorbs and stores too much iron. People with hemochromatosis may be at greater risk for health effects resulting from too much iron in the body (sometimes called “iron overload”) and should be aware of their overall iron intake. The New York State standard for iron in drinking water is 0.3 milligrams per liter, and

is based on the effects of iron on the taste, odor and appearance of the water.

Manganese is a common element in rocks, soil, water, plants, and animals. Manganese occurs naturally in water after dissolving from rocks and soil. It may also occur if manganese gets into surface or groundwater after improper waste disposal in landfills or by facilities using manganese in the production of steel or other products. Manganese is an essential nutrient that is necessary to maintain good health. However, exposure to too much manganese can cause adverse health effects. There is some evidence from human studies that long-term exposure to manganese in drinking water is associated with nervous system effects in adults (e.g., weakness, stiff muscles and trembling of the hands) and children (learning and behavior). The results of these studies only suggest an effect because the possible influences of other factors were not adequately assessed. There is supporting evidence that manganese causes nervous system effects in humans from occupational studies of workers exposed to high levels of manganese in air, but the relevance of these studies to long term drinking water exposure is less clear because the exposures were quite elevated and by inhalation, not by ingestion.

Radionuclides and Radiological Monitoring

Gross Alpha and Gross Beta

Most drinking water sources have very low levels of naturally occurring radioactive elements called radionuclides. These levels are low enough not to be considered a public health concern. Radionuclides can be present in several forms called isotopes which emit different types of radioactive particles called alpha or beta. Radioactivity in water is measured in picoCuries per liter (pCi/L). The EPA has set the maximum contaminant level (MCL), the highest level allowed in drinking water, for gross alpha (all alpha emitters except uranium and radon) at 15 pCi/L. NYS considers 50 pCi/L of gross beta activity to be the level of concern for gross beta. The gross alpha and gross beta results for each distribution area are noted on page 34.

Tritium

Some radionuclides emit gamma (also called photon) radiation. Common byproducts from nuclear reactors and waste, such as cesium-137, emit gamma radiation (also called photon emitters). Due to differences in energy levels, the MCL in pCi/L for a particular photon emitter will depend on the type of radionuclide present. Tritium, a radioactive isotope of the element hydrogen, is a weak beta emitter. It occurs naturally in the environment in very low concentrations, and may also be produced during nuclear weapon explosions and as a byproduct from nuclear reactors. The EPA has set a 20,000 pCi/L MCL for tritium. In 2024 we monitored 30 wells near Brookhaven National Laboratory for gross

alpha and beta particles, tritium, and gamma radiation. These wells are located in distribution areas 1 and 12. The gross alpha and gross beta results for these areas are listed in the chart on page 34. There were no detections of tritium or gamma radiation in the 54 samples tested.

Radium-226 and Radium-228

Radium, a naturally radioactive metal, occurs at very low levels in virtually all rock, soil, water, plants, and animals. Radium-226 and radium-228 are isotopes of radium. The EPA has set a combined MCL of 5 pCi/L for radium-226 and radium-228. If radium-226 is not tested, the gross alpha measurement is substituted for radium-226 to determine compliance with the MCL. Some people who drink water containing radium-226 or radium-228 in excess of the MCL over many years may have an increased risk of cancer.

From October 2007 through 2009, we monitored a well in each aquifer at all our well fields for gross alpha, gross beta and radium-228 as required, and presented the results for each year in our Drinking Water Quality Reports. Since that time, quarterly monitoring at new well fields or at new wells placed at a well field where the aquifer had not been monitored previously and continuing monitoring on existing wells as required has been performed. The results for each distribution area are noted in the chart on page 34.

RADIOLOGICAL TEST RESULTS (ALL DISTRIBUTION AREAS)

Radon, a naturally occurring radioactive gas found in soil and outdoor air, may also be found in drinking water and indoor air. Some people exposed to elevated radon levels from sources including drinking water may, over many years, have an increased risk of developing cancer. The main risk from radon is lung cancer entering indoor air from soil under homes. For further information, call the state radon program at (800) 458-1158 or call the EPA's Radon Hotline at (800) SOS-Radon.

In 2024 we monitored for radon at 120 locations throughout our distribution system. The results for each distribution area are noted in the chart below. The test results ranged from ND to 266 pCi/L of radon. Currently there is no MCL for radon. The EPA is proposing to require water suppliers to provide water with levels no higher than 4,000 pCi/L of radon.

Detected Compound	GROSS ALPHA				GROSS BETA				RADON-222				RADIUM-226				RADIUM-228			
Likely Source	Erosion of Natural Deposits				Natural deposits, man-made emissions				Naturally occurring radioactive gas				Erosion of Natural Deposits				Erosion of Natural Deposits			
MCL	15				50				N/A				5				5			
MCLG	0				0				0				0				0			
Unit of Measure	pCi/L				pCi/L				pCi/L				pCi/L				pCi/L			
	Range of Readings				Range of Readings				Range of Readings				Range of Readings				Range of Readings			
Distribution Area	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests	Low Value	High Value	Average Value	No. of Tests
1	ND	ND	ND	79	ND	5.95	ND	79	ND	165	ND	29	ND	ND	ND	22	ND	2.01	ND	22
4	ND	ND	ND	1	2.64	2.64	2.64	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
5	ND	ND	ND	2	2.39	2.69	2.33	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
6	ND	ND	ND	7	ND	3.34	2.12	7	ND	166	ND	3	ND	ND	ND	4	ND	1.73	1.05	4
7	ND	ND	ND	2	ND	3.67	2.34	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1
8	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
9	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	3	NA	NA	NA	0	NA	NA	NA	0
10	ND	ND	ND	4	ND	3.68	2.42	4	ND	ND	ND	3	ND	ND	ND	1	1.09	1.09	1.09	1
11	ND	1.81	ND	11	ND	4.14	2.65	11	ND	ND	ND	2	ND	1.29	ND	9	ND	2.30	1.06	9
12	ND	2.12	ND	61	ND	3.78	ND	61	ND	165	ND	24	ND	ND	ND	15	ND	1.07	ND	15
14	ND	2.10	ND	3	ND	2.45	ND	3	ND	ND	ND	3	NA	NA	NA	0	NA	NA	NA	0
15	ND	ND	ND	22	ND	3.49	ND	22	ND	197	107	12	ND	ND	ND	10	ND	ND	ND	10
23	ND	ND	ND	20	ND	3.93	ND	20	ND	163	ND	11	ND	ND	ND	9	ND	ND	ND	9
26	ND	2.37	ND	8	ND	3.38	ND	8	ND	266	122	3	ND	ND	ND	5	ND	ND	ND	5
30	ND	ND	ND	14	ND	4.53	2.31	14	ND	ND	ND	7	ND	ND	ND	7	ND	ND	ND	7
32	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
34	ND	ND	ND	2	ND	ND	ND	2	ND	172	111	2	NA	NA	NA	0	NA	NA	NA	0
35	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
44	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
53	ND	ND	ND	1	2.44	2.44	2.44	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
54	ND	ND	ND	5	ND	2.59	ND	5	ND	ND	ND	2	ND	ND	ND	3	ND	ND	ND	3
57	ND	ND	ND	1	2.40	2.40	2.40	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
64	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
67	ND	ND	ND	1	4.00	4.00	4.00	1	NA	NA	NA	0	ND	ND	ND	1	ND	ND	ND	1
EFWD	ND	ND	ND	2	ND	3.36	2.18	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
RSWD	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0
SBWD	ND	2.18	ND	2	ND	2.26	ND	2	ND	ND	ND	2	NA	NA	NA	0	NA	NA	NA	0
WNWD	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0

Asbestos Monitoring

Asbestos-cement water mains are made from cement with asbestos fibers added to make the pipes strong. Although drinking water can pass through these pipes without becoming contaminated with asbestos fibers, asbestos fibers may be released through the wear or breakdown of these mains; erosion of natural deposits. The EPA has set the maximum contaminant level (MCL) for asbestos at 7.0 million fibers per liter (MFL). Some people who drink water containing asbestos in excess of the MCL over many years may have an increased risk of developing benign intestinal polyps. Although testing is required every nine years, the SCWA tests every year.

In 2024 we monitored 18 sampling station locations where asbestos-cement pipes exist and 5 production wells. All locations were non-detect (no asbestos fibers were present).

WATER QUALITY DATA

2024 Methane Test Results for Distribution Area 23*

One well in Distribution Area 23 had concentrations of methane. The methane results ranged from non-detect (ND) or no methane found, to 6.1 ppb. Currently granular activated carbon (GAC) treatment is being used at this well for methane removal. Methane is primarily produced through the decomposition of organic matter in natural sources like wetlands, with landfills being a significant contributor. Methane is the primary component of natural gas and is commonly used as a fuel source. At these levels, methane poses a minimal risk for health effects. The state defines methane as an unregulated organic contaminant and assigns an MCL of 50 ppb. A summary of the 2024 test results for Distribution Area 23 is shown in the chart below.

Detected Compounds	Unit of Measure	Low Value	High Value	Average Value	No. of Tests
Methane	ppb	ND	6.1	ND	10

2024 Nitrosamine Test Results for Distribution Area 12*

One well in Distribution Area 12 had nitrosamines. Currently granular activated carbon (GAC) treatment is being used at these wells for nitrosamine removal. Nitrosamines can be formed by a byproduct of the disinfection of drinking water or found as a contaminant in drinking water from manufacturing processes such as for rubber and latex products. Additionally, nitrosamines are found in tobacco smoke, cosmetics and food products such as cured meats and fish, beer and smoked products, and they also form in the body from the nitrosation of dietary amines. The EPA has classified several nitrosamines as probable carcinogens, but has not set an MCL. The nitrosamines were measured at extremely low levels, in parts per trillion or ppt. A summary of the 2024 test results for Distribution Area 12 is shown in the chart below.

Detected Compounds	Unit of Measure	Low Value	High Value	Average Value	No. of Tests
N-Nitrosomorpholine	ppt	ND	2.5	ND	16

2024 Anionic Surfactants Test Results for Distribution Area 12*

One well in Distribution Area 12 had surfactants. Surfactants are commonly used in detergents and cleaning products. Their presence in drinking water can result from wastewater discharge or stormwater runoff. While there is no MCL set for surfactants, the NYS Department of Health has established a guidance level of 0.5 ppm based on aesthetic concerns, such as foaming. A summary of the 2024 test results for Distribution Area 12 is shown in the chart below.

Detected Compounds	Unit of Measure	Low Value	High Value	Average Value	No. of Tests
Surfactants, anionic	ppm	ND	0.09	ND	123

2024 AOP Byproduct Test Results for Distribution Areas 5, 6, 7, 9 and 12

At wells located in Distribution Areas 5, 6, 7, 9 and 12 the Suffolk County Water Authority utilizes an AOP (Advanced Oxidation Process) to treat for an emerging contaminant, 1,4-Dioxane. The New York State Department of Health required the SCWA to perform additional testing for specific Aldehydes and Carboxylic Acids. These compounds are potential by-products of the treatment process and are indicators of the effectiveness of the AOP system. There were no positives detected in 2024.