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-Perfluorooctane Sulfonic Acid, 4,8-Dioxa-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, Perfluorobetanoic Acid, Perfluorohexanesulfonic Acid, Perfluorohexanoic Acid, Perfluorooctanesulfonic Acid, Perfluorooctanesulfonic Acid, Perfluorooctanoic Acid, Perfluoropentanoic Acid, Perfluoropentanoic Acid, Perfluorooctanoic Acid, Perfluoropentanoic Acid, Perfluoropentanoic Acid, Perfluorooctanoic Acid, Perfluoropentanoic Acid, Perfluoropent
- 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 2023.

	EPA Method 533 UCMR 5					Distrib	ution A	rea 1		D	istribu	tion A	rea 4		D	istrib	ution A	rea 5	
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No				No. of Tests	Violation Yes/No		e of Rea High Value	Avg.		Violation Yes/No	Low	ge of Re High Value		No. o
Perfluorohexanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50 50 0.01 0.01	n/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No No No No No No No No No	ND ND ND ND ND ND ND	0.004 ND ND ND ND 0.005	ND ND ND	68 68 68 68 68 68 68 68 68	No No No No No No No No	ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2	No No No No No No No	NA N	NA NA NA NA NA NA NA	NA NA NA NA NA NA NA NA NA	0 0 0 0 0 0 0 0

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

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

	EPA Method 533 UCMR 5					Distrib	ution A	Area 6			Distrib	ution	Area 7	7		Distrib	ution A	Area 8	
etected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No		ge of Rea High Value	Avg. N	No. of Tests	Violatior Yes/No		ge of Re High Value	Avg.	No. of	Violation Yes/No			Avg.	
I.1H.2H.2H-Perfluoroctane Sulfonic A rifluorobutanesulfonic Acid rifluorobutanoic Acid rifluoroheptanoic Acid rifluorohexanesulfonic Acid rifluorohexanoic Acid rifluorononanoic Acid rifluoroctanoic Acid rifluoroctanoic Acid rifluoroctanoic Acid	Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50 0.01 0.01	n/a 2.0 n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No	NA NA NA NA NA NA NA NA NA	NA NA NA NA NA NA NA NA NA	NA NA NA NA NA NA NA NA NA NA	0 0 0 0 0 0 0	No No No No No No No No	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2	No N	NA NA NA NA NA NA NA NA NA	NA NA NA NA NA NA NA NA NA	NA NA NA NA NA NA NA NA NA	1
ynthetic Organic Compo	ounds including Per- and Polyfluor	oalkyl	Substa	ınces - A	nalysis	Perfor	med b	y EPA I	Meth	od 533	UCMI	₹ 5							
	EPA Method 533 UCMR 5					Distrib	ution A	rea 9		D	istribu	tion A	rea 10	,		istribu	ıtion A	rea 11	
etected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No	Rang	e of Rea	adings Avg. N	lo. of Tests	Violation Yes/No	Rang	e of Re High Value	adings Avg.		Violation Yes/No	Rang	e of Rea	adings Avg.	No. Tes
"1H.2H.2H-Perfluorociane Sulfonic A priluorobutanesulfonic Acid rfluorobutanoic Acid rfluoroheptanoic Acid rfluorohexanesulfonic Acid rfluoronexanoic Acid rfluorononanoic Acid rfluorocianesulfonic Acid	Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50	n/a 2.0 n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L	No No No No No No	NA NA NA NA NA NA	NA NA NA NA NA NA	NA NA NA NA NA NA	0 0 0 0 0	No No No No No No No	ND ND ND ND ND ND	ND ND ND ND ND ND	ND ND ND ND ND	6 6 6 6 6	No No No No No	ND ND ND ND ND	ND ND ND	ND ND ND ND ND	
rfluorooctanoic Acid rfluoropentanoic Acid		0.01 0.01 50	n/a n/a n/a	ug/L ug/L ug/L ug/L	No No No No	NA NA NA	NA NA NA	NA NA NA	0 0 0	No No No	ND ND ND	ND ND ND 0.003	ND ND ND ND	6 6 6	No No No No	ND ND ND ND	ND ND ND	ND ND ND ND	
rfluorooctanoic Acid rfluoropentanoic Acid	ounds including Per- and Polyfluor EPA Method 533 UCMR 5	0.01 0.01 50	n/a n/a n/a	ug/L ug/L ug/L	No No No nalysis	NA NA NA	NA NA NA	NA NA NA	0 0 0	No No No Od 533	ND ND ND	ND ND 0.003	ND ND ND	6 6	No No No	ND ND ND ND	ND ND ND	ND ND ND ND	
erfluorooctanoic Acid erfluoropentanoic Acid		0.01 0.01 50	n/a n/a n/a	ug/L ug/L ug/L	No No No No Violation	Perfor	MA NA NA Med b Ition Al ge of Rea High	NA NA NA NA rea 12 adings Avg. N	0 0 0	No No No Od 533	ND ND ND ND	ND ND 0.003	ND ND ND ND	6 6 6	No No No	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND rea 15 adings Avg.	No
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid esynthetic Organic Compound etected Comp	EPA Method 533 UCMR 5 Likely Source	0.01 0.01 50	n/a n/a n/a Substa	ug/L ug/L ug/L	No No No nalysis	Perfor Istribu Rang Low Value ND ND ND ND ND ND ND ND ND N	med b tion A ge of Rea High Value ND 0.004 0.009 0.001 0.011 0.010 ND 0.0017 0.006	NA N	0 0 0	No No No Od 533	ND ND ND ND	ND ND 0.003	ND ND ND ND	6 6 6	No No No	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND ND ND ND ND ND O.007 ND 0.006 0.007	ND N	No
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid esynthetic Organic Composition etected Compound etected C	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 McL 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a Substa McLe HAL* n/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	NA N	MA NA	NA N	0 0 0 0 0 0 Meth No. of Tests 54 54 54 54 54 54 54	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	44 È No. of 9 Tests 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Violation Ves/No No No No No No No No No No	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND ND ND ND ND ND ND ND ND 0.007 ND 0.006 0.007 ND 0.006 0.0013	ND N	No
erfluorooctanoic Acid erfluoropentanoic Acid Synthetic Organic Composite etected Compound H.H.2H.2H-Perfluorooctane Sulfonic A erfluorobutanesulfonic Acid erfluorobetanoic Acid erfluoroheptanoic Acid erfluoroheptanoic Acid erfluorononanoic Acid erfluorononanoic Acid erfluorooctanesulfonic Acid erfluorooctanesulfonic Acid erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications	0.01 0.01 50 McL 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a Substa McLe HAL* n/a 2.0 2.0 n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	NA NA NA NA NA Perfor Sistribut Rang Low Value ND	MA NA	NA N	0 0 0 0 0 0 0 Meth	No N	ND N	ND N	ND N	6 6 6 6 6 8 No. of 6 7 Tests 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Violation Yes/No No No No No No No No No No	ND N	ND ND ND ND ND ND ND ND ND ND 0.006 0.007 ND 0.006 0.007 ND	ND N	No.

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

Unregulated Contaminant Monitoring Rule 5 (UCMR 5)

	EPA Method 533 UCMR 5					Distrib	ution A	rea 32			Distribu	ıtion /	Area 3	4		Distrib	ution A	Area 35	5
							ge of Re						eadings				ge of Re		
etected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No		High	Avg.	No. of Tests	Violation Yes/No		High Value	Avg.	No. of	Violation Yes/No	n Low Value		Avg. Value	
H.1H.2H.2H-Perfluorooctane Sulfonic A	cid	50	n/a	ug/L	No	ND	ND	ND	2	No	ND	ND	ND	2	No	ND	ND	ND	2
erfluorobutanesulfonic Acid erfluorobutanoic Acid		50 50	2.0 n/a	ug/L ug/L	No No	ND ND	ND ND	ND ND	2	No No	ND ND	ND ND	ND ND	2	No No	ND ND	ND ND	ND ND	
erfluoroheptanoic Acid	Released into the environment	50	n/a	ug/L	No	ND	ND	ND	2	_No	ND	ND	ND	2	_ No	ND	ND	ND	
erfluorohexanesulfonic Acid erfluorohexanoic Acid	from use in commercial and	50 50	n/a_ n/a	ug/L ug/L	No	ND ND	ND ND	ND ND	2	No_No	ND ND	ND ND	ND ND	2	No No	ND ND	ND ND	ND ND	
rfluorononanoic Acid	industrial applications	50	n/a_	ug/L	No	ND ND	ND ND	ND ND	2	. No	ND	ND	ND	2	_ No	ND	ND	ND	
rfluorooctanesulfonic Acid rfluorooctanoic Acid		0.01	n/a_ n/a	ug/L ug/L	No No	ND	ND	ND	2	No No	ND ND	ND ND	ND ND	2	No No	ND ND	ND ND	ND ND	
rfluoropentanoic Acid		50	n/a_	ug/L	No	ND	ND	ND	2	_No_	ND	ND	ND	2	_ No	ND	ND	ND	
ynthetic Organic Compo	ounds including Per- and Polyfluor	oalkyl	Substa	inces - A	nalysis	Perfor	med b	y EPA	Meth	od 533	UCMF	R 5							
	EPA Method 533 UCMR 5				D		ition A			D	istribu	tion A	rea 5	3			ution A		
tected Compound	Likely Source	MCL	MCLG HAL*	Unit of Measure	Violation		<u>e of Rea</u> High	adings Avg. N	No. of	Violation		e of Re High	adings Avg.	No. of	Violation	Low	<u>ge of Re</u> High	Avg.	No.
			HĀL*		Yes/No	Value	Value		Tests	Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	Value	Tes
,1H,2H,2H-Perfluorooctane Sulfonic A	cid	50	n/a	ug/L	No No	ND ND		ND ND	2	No No	ND ND	ND ND	ND ND	<u>8</u> 8	No No	ND ND	ND ND	ND ND	1
erfluorobutanesulfonic Acid erfluorobutanoic Acid	<u> </u>	50 50	2.0 n/a	ug/L ug/L	No	ND	ND	ND	2	_No	ND	ND	ND	8	- No	ND	ND	ND	1
erfluoroheptanoic Acid erfluorohexanesulfonic Acid	Released into the environment from use in commercial and	50 50	n/a n/a	ug/L ug/L	No No	ND ND		ND ND	2	No No	ND ND	ND ND	ND ND	<u>8</u> 8	No No	ND ND	ND ND	ND ND	
erfluorohexanoic Acid	industrial applications	50	n/a	ug/L ug/L	No	ND	ND	ND	2	No.	ND	ND	ND	8	_ No_	ND	ND	ND	
erfluorononanoic Acid	induction applications	50	n/a			ND	ND	ND	2	No	ND	ND	ND	88	No	ND	ND	ND	- 1
rfluorooctangeulfonic Acid				ug/L	No No	ND		ND	2	No	ND	ND	ND	8				ND	
rfluorooctanoic Acid		0.01 0.01 50	n/a n/a n/a n/a	ug/L ug/L ug/L ug/L	No No No No		ND ND	ND ND ND	2 2 2	No No No	ND ND ND	ND ND ND	ND ND ND	8 8	No No No	ND ND ND	ND ND ND	ND ND ND	-
erfluorooctanoic Acid erfluoropentanoic Acid	ounds including Per- and Polyfluor	0.01 0.01 50	n/a n/a n/a	ug/L ug/L ug/L	No No No nalysis	ND ND ND	ND ND ND	ND ND	2 2	No No nod 533	ND ND	ND ND	ND ND	8 8	No No No	ND ND ND	ND ND ND	ND ND	1 1 1 1
rfluorooctanoic Acid rfluoropentanoic Acid ynthetic Organic Compo	EPA Method 533 UCMR 5	0.01 0.01 50	n/a n/a n/a Substa	ug/L ug/L ug/L	No No No nalysis	ND ND ND Perfor	ND ND ND	ND ND by EPA rea 57	2 2	No No nod 533	ND ND UCMF	ND ND	ND ND	8 8	No No No	ND ND ND	ND ND ND	ND ND	1 1 1
rfluorooctanoic Acid rfluoropentanoic Acid ynthetic Organic Compo		0.01 0.01 50	n/a n/a n/a	ug/L ug/L ug/L	No No No nalysis	ND ND ND Perfor	ND ND ND wittion A ution A High	ND ND Oy EPA rea 57 adings Avg. 1	2 2	No No No Violation	UCMF listribu Rang Low	ND ND R 5	ND ND Area 6 eadings Avg.	8 8 8	No No No	ND ND ND	ND ND ND ND	ND ND	VD No
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid eventaria Organic Compound etected Compound	EPA Method 533 UCMR 5 Likely Source	0.01 0.01 50	n/a n/a n/a n/a Substa MCLG HAL*	ug/L ug/L ug/L ug/L ug/L ug/L	No N	Perfor Distribution Low Value	ND ND ND witton A ution A Ge of Rea High Value ND	ND ND Oy EPA rea 57 adings Avg. I Value	2 2 No. of Tests	No No No Violatior Yes/No No	UCMP Ustribu Rang Low Value ND	ND ND R 5	ND ND Area 6 eadings Avg. Value	8 8 8 . No. of Tests	No N	ND ND ND Stributi Ran Low Value	ND ND ND ND ND	ND ND ND eadings Avg. Value	VD No Tes
erfluorooctanoic Acid erfluoropentanoic Acid synthetic Organic Compo etected Compound H.1H.2H.2H-Perfluorooctane Sulfonic Acid	EPA Method 533 UCMR 5 Likely Source	0.01 0.01 50	n/a n/a n/a Substa	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	Perfor Distribu Rang Low Value ND ND	med bution A High Value ND ND	ND ND ND rea 57 adings Avg. 1 Value ND ND	No. of Tests	No No No Violation Yes/No	UCMP	ND ND R 5	ND ND Area 6 eadings Avg.	8 8 No. of Tests 2 2 2	No No No Violatio Yes/No	ND ND ND Stributi Ran Low Value	ND ND ND ND Value	ND ND ND ea EFW eadings Avg.	VD No Te
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid eventeic Organic Compound etected Compound L1H.2H.2H-Perfluorooctane Sulfonic Acid erfluorobutanesulfonic Acid erfluorobutanoic Acid erfluorobutanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment	0.01 0.01 50 oalkyl 5 MCL 50 50 50 50	n/a n/a n/a n/a Substa MCLG HAL* n/a 2.0 n/a n/a	ug/L ug/L ug/L ug/L Unit of Measure ug/L ug/L ug/L ug/L	No N	Perfor ND ND ND Value ND ND ND ND	med button A ge of Rea High Value ND ND ND ND ND	ND ND PPA rea 57 adings Avg. I Value ND ND ND	Meth No. of Tests 2 2 2 2	No N	UCMI Vistribu Rand Low Value ND ND ND ND	ND ND ND ND See of Re High Value ND ND ND ND	Area 6 eadings Avg. Value ND ND ND ND	8 8 No. of Tests 2 2 2 2	No No No No Violatio Yes/No No No No	ND ND ND Stributi Ran Low Value ND ND ND	ND ND ND ND ND ND ND ND ND	ND ND ND Sea EFV eadings Avg. Value ND ND ND	No. Te
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluorobutanesulfonic Acid erfluorobutanoic Acid erfluorohexanoic Acid erfluorohexanoic Acid erfluorohexanoic Acid erfluorohexanoic Acid erfluorohexanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 oalkyl \$ MCL 50 50 50 50 50 50	n/a n/a n/a n/a Substa MCLG OF HAL* n/a 2.0 n/a	ug/L ug/L ug/L Unit of Measure ug/L ug/L	No N	Perfor Rang Low Value ND	MD ND ND Imed b Ution A ge of Res High ND	ND ND ND PPA rea 57 adings Avg. ! Value ND ND ND ND ND	No. of Tests 2 2 2 2 2 2 2 2 2	No N	UCMF Sistribu Rang Low Value ND	ND ND ND Ation A High Value ND ND ND ND ND	Area 6 eadings Avg. ND	8 8 8 No. of Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND Stributi Ran Low Value ND ND ND ND ND	ND N	eadings Avg. Value ND	VD No Te
effluorooctanoic Acid rfluoropentanoic Acid ynthetic Organic Compo efected Compound "1H.2H.2H-Perfluorooctane Sulfonic Acid rfluorobutanesulfonic Acid rfluorobutanoic Acid rfluorohexanesulfonic Acid rfluorohexanoic Acid rfluorohexanoic Acid rfluoronexanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment	0.01 0.01 50 MCL 50 50 50 50 50 50 50	n/a n/a n/a n/a MCLG AF HAL 2.0 n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	Perfor ND ND ND Value ND ND ND ND	MD ND	ND ND V EPA rea 57 adings Avg. ! Value ND ND ND ND ND	No. of Tests 2 2 2 2	Violation Yes/No No No No No No	UCMF Ustribu Rang Low Value ND	ND ND ND Ation A Ge of Re High Value ND ND ND ND ND ND	ND N	8 8 No. of Tests 2 2 2 2 2	No N	ND ND ND Stributi Ran Low Value ND ND ND ND ND ND	ND N	ND N	VD No Te
effluorooctanoic Acid influoropentanoic Acid ynthetic Organic Compount effected Compound altana Sulfonic Acid influorobutanesulfonic Acid influorobutanoic Acid influoroheytanoic Acid influoroheytanoic Acid influorononanoic Acid influorononanoic Acid influoronoctanesulfonic Acid influoronoctanesulfonic Acid influorooctanesulfonic Acid influorocctanoic Acid influorocctanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50	n/a n/a n/a n/a MCLG HAL* n/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	Perfor ND ND ND ND ND ND ND ND ND N	med b tion A ge of Re High Value ND ND ND ND ND ND ND ND ND N	ND ND ND PPA rea 57 adings Avg. I Value ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 No. of Tests 2 2 2 2 2 2 2 2 2 2 2	Violatior Yes/No No No No No No No No No No	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	8 8 8 No. of Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	Stributi Ran Low Value ND ND ND ND ND ND ND ND ND ND ND ND	On Arege of Rehight	ND N	VD No Te
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erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid etected Compound Litt-2H-2H-Perfluorooctane Sulfonic Acid erfluorobutanesulfonic Acid erfluoroheptanoic Acid erfluorohexanesulfonic Acid erfluoronenanoic Acid erfluorononanoic Acid erfluoronoctanesulfonic Acid erfluoroctanesulfonic Acid erfluoroctanoic Acid erfluoroctanoic Acid erfluoroctanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50	n/a n/a n/a n/a MCLG HAL* n/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	Perfor ND ND ND ND ND ND ND ND ND N	med b tion A ge of Re High Value ND ND ND ND ND ND ND ND ND N	ND ND ND PPA rea 57 adings Avg. I Value ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 No. of Tests 2 2 2 2 2 2 2 2 2 2 2	Violatior Yes/No No No No No No No No No No	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	8 8 8 No. of Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	Stributi Ran Low Value ND ND ND ND ND ND ND ND ND ND ND ND	On Arege of Rehight	ND N	VD Nc Te
erfluorocctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid expression of the Compound etected Compo	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a Substa McLG HAL* n/a 2.0 n/a n/a n/a n/a n/a n/a	Unit of Measure ug/L	No N	ND N	ND N	ND ND ND VEPA rea 57 adings Avg. I Value ND	2 2 2 No. of Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Violation Yes/No No N	ND N	ND ND ND ND See of Re High Value ND ND ND ND ND ND ND ND ND ND ND ND ND	ND N	8 8 8 No. of Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	Stributi Ran Low Value ND ND ND ND ND ND ND ND ND ND ND ND	On Arege of Rehight	ND N	VD No Te
erfluorocctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid expression of the Compound etected Compo	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a Substa McLG HAL* n/a 2.0 n/a n/a n/a n/a n/a n/a	Unit of Measure ug/L	No N	Perfor Ranno Rann	ND N	ND ND ND VEPA rea 57 adings Avg. I Value ND	No. of Tests 2 2 2 2 2 2 2 2 2 2 2 4 Meth	Violation Yes/No No N	ND N	ND N	ND N	44 No. of Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND N	ND N	ND N	VD Noo Te
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluorobutanesulfonic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluorobenanoic Acid erfluoronesanoic Acid erfluorononanoic Acid erfluoronoctanoic Acid erfluoropentanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications punds including Per- and Polyfluor	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a n/a n/a Substa MCLG HAL* n/a 2.0 n/a	Unit of Measure Ug/L ug/L Unit of Measure ug/L	No N	ND N	ND N	ND ND ND VEPA rea 57 adings Avg. I Value ND	Meth No. of Tests 2 2 2 2 2 2 2 2 No. of Tests	Violation Yes/No No N	UCMI istributi Ranu ND	ND N	ND N	44	No N	ND N	ND N	ND N	No Te
erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid eventa Compound 4.11.21.21.21.21.21.21.21.21.21.21.21.21.	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications bunds including Per- and Polyfluor EPA Method 533 UCMR 5 Likely Source	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50 50 50 50	MCLG HAL* N/a N/a NCLG HAL* N/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND ND ND VEPA rea 57 adings Avg. ! Value ND	Meth No. of Tests 2 2 2 2 2 2 2 2 No. of Tests	Violation Yes/No No N	UCMI istributi Ranu ND	ND N	ND N	44 Solve Tests 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND N	ND N	ND N	NC TE
erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid eventa Compound 4.11.21.21.21.22.21.22.21.21.21.21.21.22.21.21	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications bunds including Per- and Polyfluor EPA Method 533 UCMR 5 Likely Source	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50 50 50 50 50 50	MCLG HAL* n/a MCLG HAL* n/a n/a n/a n/a n/a n/a n/a n/	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND ND ND VEPA rea 57 adings Avg. I Value ND	No. of Tests	Violation Yes/No No N	UCMI istribu Ranni Low Value ND	ND N	ND N	44 No. of a Tests 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0	No N	ND N	ND N	ND N	WD Ncc Te
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluoropentanoic Acid erfluoroctanoic Acid erfluoropentanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications bunds including Per- and Polyfluor EPA Method 533 UCMR 5 Likely Source	0.01 0.01 50 MCL 50 50 50 50 50 50 50 50 50 50 50 50	MCLG HAL* n/a n/a MCLG HAL* n/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/	Unit of Measure Unit of Measure Ug/L ug/L	No N	Perfor Range ND	ND N	ND ND ND ND Py EPA rea 57 adings Avg. ! Value ND	No. of Tests 2 2 2 2 2 2 2 2 7 Tests 0	Violatior Yes/No No N	UCMF istributi Rann ND	ND N	ND N	44 No. of a Tests 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND N	ND N	ND N	NC Te
erfluorocatanoic Acid rynthetic Organic Compo- etected Compound 1.11.21.21-Perfluorocatane Sulfonic Acid erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluorobananic Acid erfluorocananesulfonic Acid erfluorocatanesulfonic Acid erfluoropentanoic Acid erfluorocatanesulfonic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluorocatanesulfonic Acid erfluoropepanoic Acid erfluorocatanesulfonic Acid erfluoropepanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications Punds including Per- and Polyfluor EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 MCL 50 50 50 50 50 50 0.01 50 0.01 50 50 50 50 50 50 50 50 50 50 50 50 50	MCLG HAL* N/a MCLG HAL* N/a 1/a 1/a 1/a 1/a 1/a 1/a 1/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND ND ND VEPA rea 57 adings Avg. I Value ND	No. of Tests	Violation Yes/No No N	UCMI istribu Ranni Low Value ND	ND N	ND N	44 No. of a Tests 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0	No N	ND N	ND N	ND N	ND NC TE
erfluorooctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluorobutanoic Acid erfluoropentanoic Acid erfluoroctanoic Acid erfluoroctanoic Acid erfluoropentanoic Acid erfluoropentanoic Acid erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluoropentanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications Dunds including Per- and Polyfluor EPA Method 533 UCMR 5 Likely Source Released into the environment	0.01 0.01 50 50 50 50 50 50 50 50 50 50 50 50 50	MCLG HAL n/a N/a MCLG HAL n/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND ND ND ND rea 57 adings Avg. I Value ND	No. of Tests	Violatior Yes/No No N	UCMI Sistribu Ranni ND	ND N	ND N	44 Solve No. of Tests 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0 0	No N	ND N	ND N	ND N	No. Te
Letected Compound H.1H.2H.2H-Perfluorocctane Sulfonic Ac erfluorobutanesulfonic Acid erfluorobutanesulfonic Acid erfluorohexanesulfonic Acid erfluorohexanesulfonic Acid erfluoronexanoic Acid erfluorocctanesulfonic Acid erfluorocctanesulfonic Acid erfluorocctanoic Acid erfluoropentanoic Acid erfluorocctanoic Acid	EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and industrial applications Punds including Per- and Polyfluor EPA Method 533 UCMR 5 Likely Source Released into the environment from use in commercial and	0.01 0.01 50 50 50 50 50 50 50 50 50 50	m/a n/a n/a n/a n/a n/a n/a n/a Substa MCLG HAL* n/a 2.0 n/a	Unit of Measure Unit of Measure Ug/L	No N	Perfor Range ND	MD ND	ND N	No. of Tests 2 2 2 2 2 2 2 2 2	Violation Yes/No No N	UCMI istributi Ramu ND	ND N	ND N	44 No. of Tests 2 2 2 2 2 2 2 2 2 0 0 0 0 0 0 0	No N	ND N	ND N	ND N	No Te

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

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

Synthetic Organic Compou	EPA Method 533					Nictrile:	ution A	roa 4			Distrib	ution	Arond			Dictrib	ution	Aros E	
					1					L							ge of Re		
Petected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No		<u>ie of Rea</u> High Value			Violation Yes/No		e of Re High Value	Avg.	No. of Tests	Violation Yes/No		High	Avg. Value	No.
H.1H.2H.2H-Perfluorooctane Sulfonic Acid erfluorobutanesulfonic Acid erfluorobutanoic Acid erfluoroheptanoic Acid erfluoroheptanoic Acid erfluorohexanesulfonic Acid erfluorohexanesulfonic Acid erfluorononanoic Acid erfluoropentanesulfonic Acid erfluoropentanesulfonic Acid erfluoropentanesulfonic Acid erfluoropentanoic Acid	Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50 50 50 50	n/a 2.0 n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND (ND ND ND ND ND	0.004 0.040† 0.007 0.013 0.007 0.006	ND	559 559 559 559 559 559 559 559	No No No No No No No No No	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	12 12 12 12 12 12 12 12 12 12	No N	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	1- 1- 1- 1- 1- 1- 1- 1-
Synthetic Organic Compou	unds including Per- and Polyfluore	oalkyl :	Substa	ınces - Aı	nalysis l	Perfor	med by	/ EPA N	/letho	od 533									
	EPA Method 533				D	Distribu	ıtion Aı	rea 6		D	istribu	ıtion <i>A</i>	rea 7			Distrib	ution A	Area 8	
etected Compound	Likely Source	MCL	MCLG HAL*	Unit of Measure	Violation Yes/No		e of Rea High Value	<u>dings</u> Avg. No Value Te		/iolation /es/No		e of Re High Value		No. of Tests	Violation Yes/No		e of Re High Value		No. c
H.1H.2H.2H-Perfluorooctane Sulfonic Acid Perfluorobutanesulfonic Acid erfluorobutanoic Acid erfluoroheptanoic Acid erfluorohexanesulfonic Acid	Released into the environment from use in commercial and	50 50 50 50	n/a 2.0 n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L	No No	ND (ND I 0.006 I ND I	ND 6	68 68 68 68	No No	ND ND ND ND	ND ND ND ND	ND ND ND ND	6 6 6 6	No No No No	ND ND ND ND	ND ND ND ND	ND ND ND ND	12 12 12 12
erfluorohexanoic Acid erfluorononanoic Acid erfluoropentanesulfonic Acid	industrial applications	50 50 50 50 50	n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L	No No No	ND ND ND	ND I ND I ND I	ND (68 68		ND ND ND ND	ND ND ND ND	ND ND ND ND	6 6 6 6	No No No No	ND ND ND ND	ND ND ND ND ND	ND ND ND ND	1: 1: 1:
erfluorohexanoic Acid erfluorononanoic Acid erfluoropentanesulfonic Acid erfluoropentanoic Acid	industrial applications unds including Per- and Polyfluoro EPA Method 533	50 50 50 50 50	n/a n/a n/a n/a	ug/L ug/L ug/L ug/L	No No No No No	ND ND ND ND	ND I ND I ND I	ND 6 ND 6 ND 6 ND 6	68 68 68	No No No No	ND ND	ND ND ND	ND ND ND ND	6 6 6	No No No No	ND ND ND ND	ND ND ND	ND ND ND ND	12 12 12 12
erfluorohexanoic Acid erfluorononanoic Acid erfluoropentanesulfonic Acid erfluoropentanoic Acid	ands including Per- and Polyfluoro	50 50 50 50 50	n/a n/a n/a n/a	ug/L ug/L ug/L ug/L	No No No No No	ND ND ND ND ND Perfor	ND N	ND (ND (ND (ND (ND (ND (ND (ND (ND (ND (68 68 68 68 Metho	No No No No	ND ND ND	ND ND ND	ND ND ND ND area 10 eadings Avg.	6 6 6	No No No No	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	No.
erfluorohexanoic Acid erfluorononanoic Acid erfluoropentanesulfonic Acid erfluoropentanoic Acid erfluoropentanoic Acid Synthetic Organic Compou	unds including Per- and Polyfluoro EPA Method 533 Likely Source	50 50 50 50 50	n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L Ug/L	No N	ND ND ND ND ND Perfor Distribution	MD ND	/ EPA II rea 9 dings Avg. No Value Te ND ND ND ND ND ND ND ND ND N	68 68 68 68 Metho	No No No Dod 533	Stribu Rang Low Value ND	ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	6 6 6 6	No No No No No Violation	ND ND ND ND ND	ND ND ND ND ND	ND N	12 12 12 12
rfluoronexanoic Acid rfluoronenanoic Acid rfluoropentanesulfonic Acid rfluoropentanesulfonic Acid rfluoropentanoic Acid rfluoropentanoic Acid rfluoropentanoic Acid rfluoropentanoic Acid rfluorobutanesulfonic Acid rfluorobutanoic Acid rfluorohexanesulfonic Acid rfluorohexanoic Acid rfluorohexanoic Acid rfluorohexanoic Acid rfluoropentanoic Acid rfluoropentanoic Acid rfluoropentanoic Acid rfluoropentanoic Acid rfluoropentanoic Acid	EPA Method 533 Likely Source Released into the environment from use in commercial and	50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a n/a n/a n/a n/a n/a MCLG HAL* n/a 2.0 n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L Unit of Measure ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/	No N	ND N	med by ution A e of Rea High ND	/ EPA NO STATE OF THE PARTY OF	68 68 68 68 68 68 68 68 68 68 68 68 68 6	No N	ND N	ND N	ND N	6 6 6 6 6 6 6 7 Tests 59 59 59 59 59 59 59 59	Violation Yes/No No N	ND N	ND N	ND N	No Tes

[†] The sample from 12/13/2023 had Perfluorobutanoic Acid result of 40ppt. The results are due to Perfluorobutanoic Acid contamination during the extraction process. An additional sample was collected on 01/03/2024 and the Perfluorobutanoic Acid was non-detect.

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

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

	EPA Method 533				D	istribu	ution A	rea 23			Distrib	ution /	Are <u>a 2</u>	6		Distrib	ution A	rea <u>3</u> 0	
Detected Compound	Likely Source	MCL	MCLG	Unit of			ge of Re				Ran	ge of Re	eadings	i		Ran	ge of Re	adings	
			HÅL*	Measure	Violation Yes/No	Low Value	High Value	Avg. Value		Violation Yes/No	1 Low Value	High Value		No. of Tests	Violation Yes/No	Value		Avg. Value	
IH.1H.2H.2H-Perfluorocctane Sulfonic A Perfluorobutanesulfonic Acid Perfluorobutanoic Acid Perfluoroheptanoic Acid Perfluorohexanesulfonic Acid Perfluoronexanoic Acid Perfluorononanoic Acid Perfluoronentanesulfonic Acid Perfluoropentanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50 50 50	n/a 2.0 n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No No No No No No No No No	ND ND ND ND ND ND ND	0.002 0.006 0.007 0.006	ND ND ND ND ND ND ND ND	176 176 176 176 176 176 176 176 176	No	ND ND ND ND ND ND ND ND	ND ND	ND.	45 45	No N	ND ND ND ND ND ND ND ND	ND 0.005 0.031 0.002 0.002 0.004 ND ND 0.006	ND ND ND ND ND ND	160 160 160 160 160 160 160 160
Synthetic Organic Compo	ounds including Per- and Polyfluor	oalkyl :	Substa	ınces - Aı	nalysis I	Perfor	med b	y EPA	Meth	nod 533									
	EPA Method 533				Di	istribu	ition A	rea 32			istribu	ıtion A	rea 34		D	istribu	ıtion A	rea 35	
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No		<u>e of Rea</u> High Value	Avg.		Violation Yes/No		<u>je of Re</u> High Value		No. of	Violation Yes/No		<u>je of Rea</u> High Value		No. of Tests
1H.1H.2H.2H.Perfluorooctane Sulfonic A Perfluorobutanesulfonic Acid Perfluorobutanoic Acid Perfluoroheptanoic Acid Perfluorohexanesulfonic Acid	Released into the environment from use in commercial and	50 50 50 50 50	n/a 2.0 n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L	No No No No	ND ND ND ND	ND ND ND	ND ND ND ND ND	8 8 8 8 8	No No No No No	ND ND ND ND ND	ND ND ND ND ND	ND ND ND ND ND	8 8 8 8 8	No No No No	ND ND ND ND	ND ND ND ND	ND ND ND ND	10 10 10 10
Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanoic Acid	industrial applications	50 50 50 50	n/a n/a n/a n/a	ug/L ug/L ug/L ug/L	No No No	ND ND ND ND	ND ND ND	ND ND ND	8 8 8	No No No	ND ND ND	ND ND ND	ND ND ND	8 8 8	No No No No	ND ND ND ND	ND ND ND ND	ND ND ND ND	10 10 10
Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanoic Acid	ounds including Per- and Polyfluore EPA Method 533	50 50 50	n/a n/a n/a	ug/L ug/L ug/L	No No No nalysis I	ND ND ND	ND ND ND	ND ND ND	8 8 8	No No No	ND ND ND	ND ND ND	ND ND ND	8 8 8	No No No	ND ND ND	ND ND	ND ND ND	10 10 10
Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanoic Acid Synthetic Organic Compo	ounds including Per- and Polyfluor	50 50 50	n/a n/a n/a	ug/L ug/L ug/L	No No No nalysis I	ND ND ND Perfor istribu	ND ND ND writion A	ND ND ND ND Oy EPA rea 44 adings Avg.	8 8 8	No No No	ND ND ND ND	ND ND ND ND	ND ND ND ND	8 8 8	No No No	ND ND ND	ND ND ND ND	ND ND ND rea 54 adings Avg.	10 10 10 10
Perfluorohexanoic Acid Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid Perfluoropentanoic Acid Synthetic Organic Compound 1H.1H.2H.2H-Perfluorooctane Sulfonic Acid Perfluorohutanesulfonic Acid Perfluorohexanoic Acid Perfluorohexanoic Acid Perfluoronexanoic Acid Perfluoronanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid	EPA Method 533 Likely Source	50 50 50 50	n/a n/a n/a Substa	ug/L ug/L ug/L	No N	ND ND ND Perfor istribu	ND ND ND writion A	ND ND ND ND Oy EPA rea 44 adings Avg.	8 8 8 Meth	No No No No Violation	ND ND ND Distribu	ND ND ND ND	ND ND ND ND	8 8 8 8	No No No No	ND ND ND Distribu	ND ND ND ND	ND ND ND rea 54 adings Avg.	10 10 10 10
Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid Perfluoropentanoic Acid Synthetic Organic Compound 1H.1H.2H.2H-Perfluorooctane Sulfonic Acid Perfluorobutanesulfonic Acid Perfluorobutanoic Acid Perfluoroheptanoic Acid Perfluorohexanesulfonic Acid Perfluorohexanoic Acid Perfluorononanoic Acid Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid	EPA Method 533 Likely Source Released into the environment from use in commercial and	50 50 50 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a n/a McLG HAL* 1/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	No N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Violation Yes/No No No No No No No No No No No	ND N	ND ND ND Ation A ge of Re High Value ND	ND N	10 10 10 10 10 10 10 10 10 10 46 46 46 46 46 46 46 46 46 46
Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanoic Acid Perfluoropentanoic Acid Synthetic Organic Compound IH.1H.2H.2H.Perfluorocctane Sulfonic Acid Perfluorobutanesulfonic Acid Perfluorobutanoic Acid Perfluorohexanesulfonic Acid Perfluorohexanesulfonic Acid Perfluorohexanesulfonic Acid Perfluorohexanesulfonic Acid Perfluoropentanoic Acid Perfluoropentanoic Acid Perfluoropentanoic Acid Perfluoropentanoic Acid	EPA Method 533 Likely Source Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a n/a McLG HAL* 1/a 2.0 n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND ND ND ND ND PAGE ND	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Violation Yes/No No No No No No No No No No No	ND N	ND N	ND N	10 10 10 10 10 10 No. c Test: 46 46 46 46 46 46 46 46

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

Unregulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

	EPA Method 533				Dis	tributio	on Are	a RSI	۷D	Dis	ributio	n Area	SBV	VD	Dist	ributio	on Area	a WNV	VD
Detected Compound	Likely Source	MCL	MCLG or HAL*	Unit of Measure	Violation Yes/No		e of Rea	Avg.	No. of Tests	Violation Yes/No		e of Rea High Value	Avg.	No. of	Violation Yes/No		<u>le of Rea</u> High Value	Avg.	No. o
1H.1H.2H.2H-Perfluorooctane Sulfonic A Perfluorobutanessulfonic Acid Perfluorobutanoic Acid Perfluoroheptanoic Acid Perfluoroheptanoic Acid Perfluorohexanesulfonic Acid Perfluoronexanesulfonic Acid Perfluorononanoic Acid Perfluoropentanesulfonic Acid Perfluoropentanesulfonic Acid	Released into the environment from use in commercial and industrial applications	50 50 50 50 50 50 50 50 50	n/a 2.0 n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2	No No No No No No No No	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND	4 4 4 4 4 4 4 4	No No No No No No No No	ND ND ND ND ND ND	0.003 ND 0.003 ND 0.002 ND	ND ND ND ND ND	13 13 13 13 13 13 13 13 13



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

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring

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

					Į.	Distribu	ution A	rea 1			Distribu	ution /	Area 4		[Distribu	ution A	Area 5	
Detected Compound	Likely Source	MCL	MCLG	Unit of		Range	e of Rea	adings			Range	e of Re	adings			Range	e of Rea	adings	
			or HAL**		Violation Yes/No										Violation Yes/No		High		No. of
Synthetic Organic Compo	ounds including Per- and Polyfluoro	alkyl	Subst	ances - A	nalysis	Perfo	rmed l	ру МҮ	/S App	roved S	CWA	PFAA	S Met	hod &	EPA Me	thod !	533		
Perfluorooctanesulfonic Acid	Released into the environment from	*0.010		ug/L	No			ND	559	_No	ND	ND	ND	12		ND	ND	ND	14
Perfluorooctanooic Acid	widespread use in commercial and industrial applications	*0.010	n/a	ug/L	No	ND	0.006	ND	559	_No_	ND	ND	ND	12	. No	ND	ND	ND	14

						Distrib	ution A	Area 6		[Distribu	ıtion A	rea 7	7	[Distrib	ution A	Area 8	
Detected Compound	Likely Source	MCL	MCLG or HAL**	Measure	Violation Yes/No		e of Rea			Violation Yes/No		e of Rea			Violation Yes/No		e of Rea		
Synthetic Organic Compo	ounds including Per- and Polyfluord	alkyl	Subst	ances - A	nalysis	Perfo	rmed	by NY	'S App	roved S	CWA	PFAA:	S Met	thod &	EPA Me	thod	533		
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010) n/a) n/a	ug/L ug/L	No No	ND ND	ND 0.002	ND ND	68 68	_No _No	ND ND	ND ND	ND ND	6 6		ND ND	ND ND	ND ND	12 12

					[Distrib	ution A	krea 9		D	istribu	tion A	rea 10)		istribu	ıtion A	rea 1	1
Detected Compound	Likely Source		MCLG or HAL**		Violation Yes/No	Low	e of Rea High Value	Avg.	No. of	Violation Yes/No	Low	e of Rea High Value	Avg.	No. of	Violation Yes/No	Low	e of Rea	Avg.	No. of
Synthetic Organic Compo	ounds including Per- and Polyfluoro	alkyl	Subst	ances - A															
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010) n/a) n/a	ug/L ug/L	No No	ND ND	ND ND		24 24	No No		0.002 0.002		59 59			0.004 0.005		69 69

					D	istribu	ıtion A	rea 1	2	D	istribu	ition A	rea 14	1	D	istribu	ution A	rea 15	5
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Violation Yes/No	Low	e of Rea	Avg.	No. of	Violation Yes/No	Low		Avg.	No. of	Violation Yes/No	Low	<u>je of Rea</u> High Value	Avg.	No. of
Synthetic Organic Compo	ounds including Per- and Polyfluoro	alkyl	Subst	ances - A	nalysis	Perfo	rmed l	оу МҮ	'S App	roved S	CWA	PFAA:	S Met	hod &	EPA Me	thod	533		
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010		ug/L ug/L	No No		0.012 0.008	ND ND	416 416	_No_No	ND ND	ND ND	ND ND	18 18	_No_No	ND ND	0.007		277 277

					D	istribu	ition A	rea 23	3	D	stribu	tion A	rea 20	6	D	istribu	ıtion A	rea 30)
Detected Compound	Likely Source	MCL	MCLG or HAL**	Measure	Violation Yes/No	Low		Avg.	No. of	Violation Yes/No	Low		Avg.	No. of		Low		Avg.	No. of
Synthetic Organic Compo	ounds including Per- and Polyfluoro	alkyl	Subst	ances - A	nalysis	Perfo	rmed k	by NY	S App	roved S	CWA	PFAA:	S Met	hod &	EPA Me	thod	533		
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010		ug/L ug/L	No No		0.005 0.003		176 176	_No_ No	ND ND	ND 0.003	ND ND	45 45			0.004 0.003		160 160

					D	istribu	tion A	rea 32	2	D	istribu	tion A	rea 3	4	D	istribu	ıtion A	rea 35	
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Violation Yes/No	Low		Avg.	No. of	Violation	Low		Avg.	No. of	Violation Yes/No	Low	e of Rea	Avg.	
Synthetic Organic Compo	ounds including Per- and Polyfluor	alkyl		ances - A														value	16313
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010 *0.010		ug/L ug/L	No No	ND (0.002 ND	ND ND	8 8	No No	ND ND	ND ND	ND ND	8 8	110	ND ND	ND ND	ND ND	10 10

^{*} August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluoroctanoic Acid (PFOA) & Perfluorocctanesulfonic Acis (PFOS), see page 34.

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

Regulated Perfluoroalkyl and Polyfluoroalkyl Substances Monitoring (cont'd)

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

					D	istribu	ition A	rea 4	1	D	istribu	ition A	rea 5	3	D	istribu	ıtion A	rea 54	4
Detected Compound	Likely Source	MCL	MCLG or HAL**	Unit of Measure	Violation Yes/No			Avg.	No. of	Violation Yes/No	Low		Avg.	No. of		Low	e of Rea	Avg.	No. of
Synthetic Organic Compo	ounds including Per- and Polyfluoro	alkyl	Subst	ances - A	nalysis	Perfo	rmed	by NY	'S App	roved S	CWA	PFAA	S Me	thod &	EPA Me	thod	533		
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010		ug/L ug/L	No No	ND ND	ND ND	ND ND	9	No No	ND ND	ND ND	ND ND	28 28	No No	ND ND	ND ND	ND ND	46 46

					D	istribu	ıtion A	rea 57	7	D	istribu	tion A	rea 6	4	Dis	tributi	on Are	a EFV	/D
Detected Compound	Likely Source	MCL	MCLG	Unit of		_	e of Rea					e of Rea					e of Rea		
			or HAL**	Measure	Violation Yes/No	Low Value				Violation Yes/No					Violation Yes/No				No. of Tests
Synthetic Organic Compou	unds including Per- and Polyfluoro	alkyl S	Subst	ances - A	nalysis	Perfo	rmed l	by NY	S App	roved S	CWA I	PFAA:	S Met	hod &	EPA Me	thod	533		
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid		*0.010 *0.010		ug/L ug/L	No No	ND ND	ND ND	ND ND	8	_NoNo	ND ND	ND ND	ND ND	11 11		ND ND		ND ND	6 6

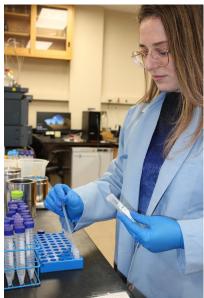
					Dis	tributi	on Are	a RS\	VD	Dis	tributio	on Are	a SB\	۷D	Dist	tributi	on Area	a WN\	۷D
Detected Compound	Likely Source		MCLG OT HAL**	Measure	Violation Yes/No	Low		Avg.	No. of		Low		Avg.	No. of	Violation Yes/No	Low	e of Rea High Value	Avg.	No. of
Synthetic Organic Compo	ounds including Per- and Polyfluord	alkyl S	Substa	ances - A	nalysis	Perfo	rmed	by NY	'S App	roved S	CWA	PFAAS	S Met	hod &	EPA Me	thod	533		
Perfluorooctanesulfonic Acid Perfluorooctanooic Acid	Released into the environment from widespread use in commercial and industrial applications	*0.010 *0.010		ug/L ug/L	No No	ND ND	ND ND	ND ND	2 2	_No _No	ND ND	ND ND	ND ND	4 4	No No		0.007 0.006		

^{*} August 26, 2020 NYS adopts an MCL of 0.010 ppb for Perfluoroctanoic Acid (PFOA) & Perfluorocctanesulfonic Acis (PFOS), see page 34.

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







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 2023 all of our wells were tested for 35 PPCPs; Acesulfame-K, Carbamazepine, Gemfibrozil, Glycyrrhizic Acid, 5-(4-Hydroxyphenyl)-5-Phenylhydantoin, Ibuprofen, Imidacloprid, Meprobamate, Phenobarbital, Primidone, Saccharin, Secobarbital, 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 15-16.

						Distrib	ution /	Area 1			Distrib	ution <i>i</i>	Area 4	,		Jistribi	ution A	rea 5	
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Rang Low Value	High	<u>adings</u> Avg. Value		Violation Yes/No	Rang Low Value	e of Rea High Value	Avg.	No. of	Violation Yes/No		e of Read High Value	Avg.	
Synthetic Organic Compou	nds including Pesticides and Pha		eutical	S															
cesulfame-K	Incomplete removal during wastewater treatment, home sept	50	n/a	ug/L	No	ND	2.55	0.06	343	_No_	ND	ND	ND	8	No_	ND	ND	ND	10
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a_	ug/L	No	ND	ND	ND	343	_No_	ND_	_ND_	_ND_	8	No_	ND_	ND_	ND	1
Gemfibrozil	Lipid lowering drug	50 50	n/a	ug/L	No	ND_	0.28	ND_	343	No No	ND ND	ND ND	ND ND	<u>8</u> 8	No_	ND_	ND ND	ND_	1 1
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home sept bin Used for determining drug levels in the body	50	n/a n/a	ug/L ug/L	No No	ND ND	ND 0.31	ND ND	343 343	No No	ND ND	ND ND	ND ND	<u>8</u>	No No	ND ND	ND ND	ND ND	1
buprofen	Anti-inflammatory drug	50	n/a	ug/L ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	1
midacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	1
Meprobamate	Antianxiety drug	50	n/a	ug/L	No	ND	ND	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	1
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.51	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	1
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	0.15	ND	343	No	ND	ND	ND	8	No	ND	ND	ND	1
Saccharin	Incomplete removal during wastewater treatment, home sept	50	n/a	ug/L	No	ND	0.16	ND	343	_No_	_ND_	_ND_	ND	8	No	ND	0.07	ND	1
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	0.06	ND	343	No	ND_	ND_	ND.	8	No_	ND	ND	ND	_1
Sodium Cyclamate	Incomplete removal during wastewater treatment, home sept		n/a_	ug/L	No	ND_	0.32	ND	343	_No_	ND_	_ND_	ND_	8	No_	ND_	ND_	ND	1
Sucralose	Incomplete removal during wastewater treatment, home sep		n/a	ug/L	No	ND_	3.95	0.08	343	No.	ND_	ND_	ND.	<u>8</u> 8	No_	ND_	ND_	ND_	_1
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	_No_	ND	0.08	ND	343	_No_	ND_	ND	ND	8	_No	ND	ND	ND	1
					Į.	Distrib	ution A	rea 6		[Distrib	ıtion A	rea 7			istribu	ution A	rea 8	
etected Compound	Likely Source	MCI	MCLG	Unit of		Range	e of Rea				Range	of Rea	<u>dings</u>			Range	of Read	lings	
stected Compound	Likely Source	MCL	MCLG	Measure	Violation Yes/No	Low Value	High Value		No. of Tests	Violation Yes/No	Low Value	High Value		No. of Tests	Violation Yes/No	Low Value	High Value	Avg. Value	
Synthetic Organic Compour	nds including Pesticides and Pha	rmace	uticals	<u> </u>															
cesulfame-K	Incomplete removal during wastewater treatment, home septing	50	n/a	ug/L	No	ND	0.27	ND	45	No	ND	ND	ND	4	No	ND	0.17	0.07	8
arbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L ug/L	No	ND ND	ND	ND	45	No	ND ND	ND ND	ND	4	No	ND ND		ND	<u>0</u> 8
Semfibrozil	Lipid lowering drug	50	n/a	ug/L ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND		ND	<u>0</u> 8
lycyrrhizic Acid	Incomplete removal during wastewater treatment, home septis	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND		ND	8
	inUsed for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND		ND	8
ouprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No	ND		ND	8
midacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	45	_No	ND	ND	ND	4	_No_	ND		ND	_8
Meprobamate	Antianxiety drug	50	n/a	ug/L	_No	ND	_ND	ND	45	_No	ND	ND	ND	4	_No	ND		ND	- 8
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	_ No	ND	ND	ND	45	_No	ND	ND	ND	4	_No_	ND		ND	_8
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND_	ND	ND	45	_No	ND_	ND	ND	4	_No	ND		ND	_8
Saccharin	Incomplete removal during wastewater treatment, home septi	50	n/a	ug/L	No	ND_	ND_	ND	45	No	ND	ND	ND	4	_No	ND		ND	8
ecobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND_	ND	45	No	ND	ND	ND	<u>4</u> 4	No	ND		ND	8
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septi	50	n/a	ug/L	No	ND	ND	ND	45	No	ND	ND	ND	4	No.	ND		ND	<u>8</u> 8
Sucralose Sulfamethoxazole	Incomplete removal during wastewater treatment, home septi Antibiotic	50 50	n/a n/a	ug/L ug/L	No No	ND ND	0.05 ND	ND ND	45 45	No No	ND ND	ND ND	ND ND	4 4	No No	ND ND		ND ND	8
Jananienovazore	, white of the state of the sta	- 00	11/4	ug/L	110	IVD	IND	IND	75	INO	IVD	IND	IVD	7	140	IND	IND	IVD	
					<u>.</u>	Distrib	ution A	rea 9		D	istribu	tion A	rea 10)	D	istribu	tion Ar	ea 11	
etected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Range Low Value	e of Rea High Value			Violation Yes/No	Range Low Value	of Rea High Value	<u>dings</u> Avg. Value		Violation Yes/No	Range Low Value			No.
Synthetic Organic Compour	nds including Pesticides and Pha	rmace	uticals																
cesulfame-K	<u> </u>		n/a		No	ND	0.14	0.05	20	No	ND	0.39	0.07	37	No	ND	1.43	0.15	43
arbamazepine	Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug	50	n/a	ug/L ug/L	No	ND ND	0.14 ND	ND	20	No	ND	ND	ND	37	No	ND		0.15 ND	4:
Semfibrozil	Lipid lowering drug	50	n/a	ug/L ug/L	No	ND	ND	ND	20	No	ND ND	ND	ND	37	No	ND		ND	4
Slycyrrhizic Acid	Incomplete removal during wastewater treatment, home septing	50	n/a	ug/L ug/L	No	ND	ND	ND	20	No	ND	0.12	ND	37	No	ND		ND	4
	inUsed for determining drug levels in the body	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND		ND	4
puprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND	ND	20	No	ND	ND	ND	37	No	ND		ND	4
nidacloprid	Used as a pesticide	50	n/a	ug/L	No	ND	ND	ND	20	_No	ND	ND	ND	37	_No	ND	ND	ND	4
leprobamate	Antianxiety drug	50	n/a	ug/L	_ No	ND	ND	ND	20	_No	ND	ND	ND	37	_No	ND		ND	_4
henobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	_No	ND	ND	ND	20	No	ND_	ND	ND	37	_No	ND		ND	_4
	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	20	_No	ND	ND	ND	37	_No	ND		ND	_4
		50	n/a	ug/L	_ No	ND	ND	ND	20	_No	ND_	ND	ND	_37	_No	ND		ND	_4
accharin	Incomplete removal during wastewater treatment, home septi-									No	ND	ND	ND	37	No	ND		ND	4
rimidone accharin ecobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND_	ND_	ND	20										
accharin ecobarbital odium Cyclamate	Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment, home septie	50	n/a	ug/L	No	ND	ND	ND	20	_No_	ND	ND	ND	37	_No	ND	ND	ND	4
accharin ecobarbital	Anticonvulsant, mood stabilizing drug																ND 0.47		

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

_																			
					D		ition A	rea 12		<u> </u>	Distribu	ution A		4		Distribu	ution A		5
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No		High Value	Avg. No Value To		Violation Yes/No		High Value	Avg.	No. of Tests	Violation Yes/No		High	Avg.	No. of Tests
Synthetic Organic Compour	nds including Pesticides and Pha	rmace	eutical	s															
Acesulfame-K	Incomplete removal during wastewater treatment, home septi	50	n/a	ug/L	_No_	ND	2.44		275	_No_	ND	0.51	0.07	15	_No_	ND	3.29	0.29	192
Carbamazepine Gemfibrozil	Anticonvulsant, mood stabilizing drug Lipid lowering drug	50 50	n/a n/a	ug/L ug/L	No No	ND ND	ND 0.06		275 275	No No	ND ND	ND ND	ND ND	15 15	No No	ND ND	0.07 0.07	ND ND	192 192
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septi	ic 50	n/a	ug/L	_No_	ND	ND	ND 2	275	No	ND	ND	ND	15	No	ND	ND	ND	192
5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen	NUsed for determining drug levels in the body Anti-inflammatory drug	50 50	n/a n/a	ug/L ug/L	No No	ND ND	0.17		275 275	No No	ND ND	ND ND	ND ND	15 15	No No	ND ND	ND 0.21	ND ND	192 192
Imidacloprid	Used as a pesticide	50	n/a	ug/L ug/L	No	ND	0.39		275	No	ND	ND	ND	15	No	ND	ND	ND	192
Meprobamate	Antianxiety drug	50	n/a	ug/L	. <u>No</u>	ND	0.05	ND 2	275	No	ND	ND	ND	15	No	ND	ND	ND	192
Phenobarbital Primidone	Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug	50 50	n/a n/a	ug/L ug/L	No No	ND ND	0.46 ND		275 275	No No	ND ND	ND ND	ND ND	15 15	No No	ND ND	0.07 ND	ND ND	192 192
Saccharin	Incomplete removal during wastewater treatment, home sept	ic 50	n/a	ug/L	. No	ND	0.39	ND 2	275	No_	_ND_	ND	ND	15	No	ND	0.05	ND	192
Secobarbital Sodium Cyclamate	Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment, home septi	50 50	n/a n/a	ug/L ug/L	No No	ND ND	ND 0.18		275 275	No No	ND ND	ND ND	ND ND	15 15	No No	ND ND	ND ND	ND ND	192 192
Sucralose	Incomplete removal during wastewater treatment, home sept	ic 50	n/a	ug/L ug/L	No	ND	3.16		275	No	ND	0.34	0.05	15	No	ND	3.20	0.38	191
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	_No	ND	ND	ND 2	275	_No_	ND	ND	ND	15	_No_	ND	ND	ND	192
					D	istribu Pang	tion A			D	istribu Pana	ition A		6		Distribu	ution A		0
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No		High Value			Violation Yes/No		High Value	Avg.		Violation Yes/No		High Value	Avg.	No. of Tests
Synthetic Organic Compoun	ds including Pesticides and Pha	rmace	eutical	5															
Acesulfame-K	Incomplete removal during wastewater treatment, home septi	50	n/a	ug/L	No	ND	0.84	0.14 1	130	No	ND	1.01	0.31	29	No	ND	2.09	0.16	133
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	. No	ND	ND	ND 1	130	_No_	ND	ND	ND	29	No	ND	ND	ND	133
Gemfibrozil Glycyrrhizic Acid	Lipid lowering drug	50 50	n/a n/a	ug/L ug/L	No No	ND ND	ND ND		130 130	No No	ND ND	ND 0.13	ND ND	29 29	No No	ND ND	ND ND	ND ND	133 133
	Used for determining drug levels in the body	50	n/a	ug/L ug/L	No	ND	ND		130	No	ND	ND	ND	29	No	ND	ND	ND	133
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	No	ND	ND 0.07		130	No	ND_	ND_	ND	29	No_	ND	0.11	ND	133
Imidacloprid Meprobamate	Used as a pesticide Antianxiety drug	50 50	n/a n/a	ug/L ug/L	No No	ND ND	0.07 ND		130 130	No No	ND ND	ND ND	ND ND	29 29	No No	ND ND	0.18 ND	ND ND	133 133
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND 1	130	_No_	ND	ND	ND	29	No_	ND	ND	ND	133
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No.	ND_	ND		130	No.	ND	ND 2.15	ND 0.16	29 29	No No	ND	ND_	ND	133
Saccharin Secobarbital	Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug	50	n/a n/a	ug/L ua/L	No No	ND ND	0.06 ND		130 130	_No	ND ND	2.15 ND	0.16 ND	29 29	No No	ND ND	ND 0.34	ND ND	133 133
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septi		n/a	ug/L	. No	ND	ND	ND 1	130	_No_	ND	0.08	ND	29	No	ND	0.05	ND	133
Sucralose Sulfamethoxazole	Incomplete removal during wastewater treatment, home septi Antibiotic	50 50	n/a n/a	ug/L ug/L	No No	ND ND	0.97 ND		130 130	No No	ND ND	0.75 ND	0.30 ND	29 29	No No	ND ND	1.18 ND	0.21 ND	133 133
				-0	-110														
					D	istribu	ıtion A	rea 32		D	istribu	ıtion A	rea 3	4		Distribu	ution A	rea 3	5
Detected Compound	Likely Source	MCL	MCLG	Unit of		Rang	e of Rea	<u>idings</u>			Rang	e of Rea	adings			Rang	e of Rea	adings	
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No			<u>idings</u>	o. of ests	Violation Yes/No	Rang	e of Rea	adings Avg.		Violation Yes/No	Rang		adings Avg.	No. of Tests
	Likely Source			Measure	Violation	Rang Low	e of Rea	<u>idings</u> Avg. No		Violation	Rang Low	e of Rea	adings Avg.	No. of	Violation	Rang Low	e of Rea	adings Avg.	No. of
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Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Sucralose Sulfamethoxazole Detected Compound Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen	ds including Pesticides and Pha Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Likely Source Likely Source Likely Source Likely Source Likely Gregory of the septiment of the septime	SO SO SO SO SO SO SO SO	MCLG MCLG MCLG MCLG MCLG MCLG MCLG	Measure S ug/l.	Violation Yes/No No	Range Low Value ND N	e of Rese High Value ND	ND 6	ests 6	Violation Yes/No No	Rang Low Value ND.	e of Rese High Value 0.11 ND	Area 5 Avg. Area 7 Avg. Avg. Avg. Avg. Avg. Avg. Avg. Avg.	No. of Tests 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Violation Yes/No No	Range Low Value ND N	le of Ress High Value ND	Adings Avg. Value ND	No. of Tests 10 10 10 10 10 10 10 10 10 10 10 10 10
Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Sucralose Sulfamethoxazole Detected Compound Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate	ds including Pesticides and Pha Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Incomplete removal during wastewater treatment. home septi Used including Pesticides and Pha Incomplete removal during wastewater treatment. home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug	Solution	MCLG MCLG MCLG MCLG MCLG MCLG MCLG	Measure ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/	Violation Yes/No No	Range Low Value ND	e of Reze High Value ND	ND 6 ND ND	o. of sests	Violation Yes/No No	Range Low Value ND N	e of Reze High Value 0.11 ND	Adings Avg. Value ND N	No. of Tests 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Violation Yes/No No	Range Low Value ND N	e of Reze High Value ND	Adings Avg. Value ND. ND. ND. ND. ND. ND. ND. ND. ND. ND	No. of Tests 10 10 10 10 10 10 10 10 10 10 10 10 10
Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrnizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Sucralose Sulfamethoxazole Detected Compound Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital	ds including Pesticides and Pha Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body. Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Incomplete removal during wastewater treatment. home septi Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment. home septi Anticonvulsant, mood stabilizing drug Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Anticonvulsant, mood stabilizing drug Anticonvulsant, mood stabilizing drug	MCL	MCLG	Measure S ug/l.	Violation Yes/No No	Range Low Value ND N	e of Reze High Value ND	No.	o. of ests	Violation Yes/No No	Range Low Value ND N	e of Rese High Value 0.11 ND	Area 5 AVG	No. of Tests 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Violation Yes/No No	Range Low Value ND.	le of Reze High Value ND	Adings Avg. Value ND. ND. ND. ND. ND. ND. ND. ND. ND. ND	No. of Tests 10 10 10 10 10 10 10 10 10 10 10 10 10
Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Sucralose Sulfamethoxazole Detected Compound Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate	ds including Pesticides and Pha Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Incomplete removal during wastewater treatment. home septi Used including Pesticides and Pha Incomplete removal during wastewater treatment. home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug	Solution	MCLG MCLG MCLG MCLG MCLG MCLG MCLG	Measure ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/	Violation Yes/No No	Range Low Value ND	e of Reze High Value ND	ND 6 ND ND	o. of ests	Violation Yes/No No	Range Low Value ND N	e of Reze High Value 0.11 ND	Adings Avg. Value ND N	No. of Tests 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Violation Yes/No No	Range Low Value ND N	e of Reze High Value ND	Adings Avg. Value ND. ND. ND. ND. ND. ND. ND. ND. ND. ND	No. of Tests 10 10 10 10 10 10 10 10 10 10 10 10 10
Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoil Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Surralose Sulfamethoxazole Detected Compound Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoil Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital	ds including Pesticides and Pha Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body. Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment, home septi Incomplete removal during wastewater treatment. home septi Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment. home septi Incomplete removal during wastewater treatment. home septi Incomplete removal during wastewater treatment. home septi Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment. home septi Anticonvulsant, mood stabilizing drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment home septi Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment. home septi	MCL MCL MCL MCL MCL MCL MCL MCL	N/2 N/2	Measure ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/	Violation Yes/No No	Range Low Value ND.	e of Rese High Value ND	No.	o. of ests	Violation Yes/No No	Range Low Value ND.	e of Ress High Value 0.11 ND	Area 5 Avg. Avg. Avg. Avg. Avg. Avg. Avg. Avg.	No. of Tests 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Violation Yes/No No	Range Low Value ND.	le of Reze High Value ND	Adings Avg. Value ND. ND. ND. ND. ND. ND. ND. ND. ND. ND	No. of Tests 10 10 10 10 10 10 10 10 10 10 10 10 10
Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Sucralose Sulfamethoxazole Detected Compound Synthetic Organic Compour Acesulfame-K Carbamazepine Gemfibrozil Glycyrthizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Phenobarbital Phenobarbital Phenobarbital Primidone Saccharin	ds including Pesticides and Pha Incomplete removal during wastewater treatment, home septi Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septi Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Incomplete removal during wastewater treatment, home septi	SO SO SO SO SO SO SO SO	MCLG	Measure ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/	Violation Yes/No No	Range Low Value ND	e of Reze High Value ND	No.	o. of ests	Violation Yes/No No	Range Low Value ND N	e of Reze High Value 0.11 ND	Adings Avg. Value ND N	No. of Tests 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Violation Yes/No No	Range Low Value ND N	e of Reze High Value ND	Adings Avg. Value ND	No. of Tests 10 10 10 10 10 10 10 10 10 10 10 10 10

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

					D	istribu	ition A	rea 57	,	D	istribu	tion A	rea 64	ļ	Dis	tributi	on Are	a EFV	VD
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Range Low Value	e of Rea High Value	Avg.	No. of Tests	Violation Yes/No	Range Low Value	e of Rea High Value		No. of Tests	Violation Yes/No		e of Rea High Value	Avg.	No. of Tests
Synthetic Organic Compoun	ds including Pesticides and Pha	rmace	utical	5															
Acesulfame-K	Incomplete removal during wastewater treatment, home septi-	50	n/a	ug/L	No	ND	0.22	0.14	6	No	ND	0.17	0.06	10	No	ND	ND	ND	6
Carbamazepine	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	_No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Gemfibrozil	Lipid lowering drug	50	n/a	ug/L	No	ND	ND	ND	6	_No_	ND	ND	ND	10	_No_	ND	ND	ND	6
Glycyrrhizic Acid	Incomplete removal during wastewater treatment, home septi-		n/a	ug/L	_No	ND	ND	ND	6	No_	ND	ND	ND	10	_No_	ND	ND	ND	6
	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	6
Ibuprofen	Anti-inflammatory drug	50	n/a	ug/L	_No	ND	ND	ND	6	_No_	ND	ND	ND	10	_No_	ND	ND	ND	6
Imidacloprid	Used as a pesticide	50	n/a	ug/L	_No	ND	ND	ND	6	No_	ND	ND	ND	10	_No_	ND	ND	ND	6
Meprobamate	Antianxiety drug	50	n/a	ug/L	. No	ND	ND	ND	6	_No_	ND	ND	ND	10	No	ND	ND	ND	6
Phenobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	_No	ND	ND	ND	6	_No_	ND	ND	ND	10	_No_	ND	ND	ND	6
Primidone	Pharmaceutical anticonvulsant drug	50	n/a	ug/L	No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Saccharin	Incomplete removal during wastewater treatment, home septi-		n/a	ug/L	. No	ND	ND	ND	6	No	ND	ND	ND	10	_No_	ND	ND	ND	6
Secobarbital	Anticonvulsant, mood stabilizing drug	50	n/a	ug/L	No	ND	ND	ND	6	No_	ND	ND	ND	10	No_	ND	ND	ND	6
Sodium Cyclamate	Incomplete removal during wastewater treatment, home septi	50	n/a	ug/L	_No	ND	ND	ND	6	No	ND	ND	ND	10	No	ND	ND	ND	6
Sucralose	Incomplete removal during wastewater treatment, home septi	50	n/a	ug/L	. No	ND	0.65	0.29	6	No.	ND	0.30	0.11	10	No_	ND	ND	ND	6
Sulfamethoxazole	Antibiotic	50	n/a	ug/L	No	ND	ND	ND	6	No.	ND	ND	ND	10	_No_	ND	ND	ND	6

					Dis	tributi	on Are	a RSV	VD	Dis	tributio	on Are	a SB\	VD	Dist	ributio	on Are	a WN\	ND
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No		e of Rea High Value	Avg.	No. of Tests	Violation Yes/No	Range Low Value	e of Rea High Value		No. of Tests	Violation Yes/No	Rang Low Value	e of Rea High Value		No. of Tests
Synthetic Organic Compour	nds including Pesticides and Pha	rmace	utical	S															
Acesulfame-K Carbamazepine Gemfibrozii Glycyrrhizic Acid 5-(4-Hydroxyphenyl)-5-Phenylhydantoi Ibuprofen Imidacloprid Meprobamate Phenobarbital Primidone Saccharin Secobarbital Sodium Cyclamate Sucralose Sulfamethoxazole	Incomplete removal during wastewater treatment, home septic Anticonvulsant, mood stabilizing drug Lipid lowering drug Incomplete removal during wastewater treatment, home septic Used for determining drug levels in the body Anti-inflammatory drug Used as a pesticide Antianxiety drug Anticonvulsant, mood stabilizing drug Pharmaceutical anticonvulsant drug Incomplete removal during wastewater treatment, home septicomplete removal during wastewater treatment.	50 50 50 50 50 50 50 50 50 50 50 50	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND N	O.18 ND	O.06 ND	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	No N	ND N	0.60 ND ND ND ND 0.23 ND ND ND ND ND ND ND ND ND ND ND ND ND	0.15 ND ND ND ND 0.08 ND ND ND ND ND ND ND ND ND ND	9 9 9 9 9 9 9 9 9 9 9

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

Disinfectants and Disinfection Byproducts

					<u> </u>	Distrib	ution A	rea 1		I	Distrib	ution A	Area 4			Distrib	ution /	Area 5	
Detected Compound	Likely Source nfection Byproducts (**MC	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	e of Read High Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value		Avg.	No. of Tests	Violation Yes/No		e of Rea High Value	Avg.	No. of Tests
Bromochloroacetic Acid	Byproducts (Inc	50	n/a		No.	ND	1.50	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L ug/L	No	ND	ND	ND	40	No	NA NA	NA NA	NA NA	0	No	ND	ND	ND	6
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L ug/L	No	ND		0.28	471	No	ND		0.27	<u>0</u>	No	ND	2 12	ND	61
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND		ND	471	No	ND	ND	ND	8	No	ND	1.89	ND	61
Chlorate	Byproduct of chlorination	n/a	n/a	ma/L	No	ND	0.79	0.10	362	No	0.04		0.06	8	No	0.05	0.50		10
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	5.73	0.49	471	No	ND		0.73	8	No	ND	1.56	ND	61
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.04	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ua/L	No	ND	4.12	0.26	471	No	ND	ND	ND	8	No	ND	1.76	ND	61
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.87	ND	40	No	NA	NA	NA	0	No	ND	ND	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	ma/L	No	ND	1.91	0.96	3,884	No	0.41	1.50	1.12	42	No	0.34	1.61	0.97	155
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	_No_	ND	0.86	ND	40	_No_	NA	NA	NA	0	No	ND	ND	ND	6
(*MCL is the sum of t	he starred compounds sho	wn abo	ve)																

					ı	Distribu	ution A	rea 6			Distrib	ution A	rea 7		L	istribu	ution A	\rea 8	
Detected Compound Disinfectant and Disi	Likely Source	MCL CL is the	MCLG SUM	Unit of Measure	Violation Yes/No	Low Value	Value	Avg. Value	Tests	Violation Yes/No	Low Value	of Read High Value	Avg.	No. of Tests	Violation Yes/No		of Read High Value		No. of Tests
Bromochloroacetic Acid Bromodichloroacetic Acid Bromodichloromethane	Byproduct of chlorination Byproduct of chlorination Byproduct of chlorination	50 50 **80	n/a n/a n/a	ug/L ug/L ug/L	No No	ND ND	ND	ND ND	12 12 197	No No	ND ND	1.16 ND 0.90	ND ND	6 6 22	No No	NA NA ND	NA NA ND	NA NA ND	0 0 10
Bromoform Chlorate Chloroform	Byproduct of chlorination Byproduct of chlorination Byproduct of chlorination	**80 n/a **80	n/a n/a n/a n/a	ug/L mg/L ug/L	No No No	ND 0.03 ND	1.15 0.11	ND 0.07 ND	197 47 197	No No No	ND 0.04 ND	0.48	ND 0.07 ND	22 4 22	No	ND 0.03	ND	ND 0.05 ND	10 8 10
Dibromoacetic Acid Dibromochloromethane Dichloroacetic Acid	Byproduct of chlorination Byproduct of chlorination Byproduct of chlorination	*60 **80 *60	n/a n/a n/a	ug/L ug/L ug/L	No No No	ND ND ND	2.67 1.66	ND ND	12 197 12	No	ND ND ND	0.77 1.05 1.37	ND ND ND	6	No No No	NA ND NA	NA ND NA	NA ND NA	0 10 0
Free Chlorine Trichloroacetic Acid	Used as a disinfectant Byproduct of chlorination	*60	n/a n/a	mg/L ug/L	No No	0.30 ND		0.99 ND	705 12	No No	0.31 ND	1.45 ND	1.01 ND	170 6	No No	0.75 NA	1.42 NA	1.02 NA	60 0

					· ·	Distrib	ution A	Area 9		<u> </u>	Distribu	ution A	rea 10	0	D	istribu	ution A	\rea 11	1
Detected Compound	Likely Source	MCL	MCLG		Violation Yes/No	Low Value	Value	Avg. Value	Tests		Low Value	Value	Avg.	No. of Tests	Violation Yes/No	Low	e of Rea High Value	Avg.	No. of Tests
Disinfectant and Disi	nfection Byproducts (**MC	L is the	sum	of the f	our st	arrec	com	ipou	nds s	hown	belo	w)							
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ua/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ua/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	_No	ND	1.02	ND	77	No	ND	0.63	ND	122	No	ND	1.22	ND	190
Bromoform	Byproduct of chlorination	**80	n/a	ua/L	No	ND	0.75	ND	77	No	ND	1.59	ND	122	No	ND	0.87	ND	190
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.04	0.26	0.09	18	No	0.04	0.17	0.08	40	No	0.04	0.18	0.08	42
Chloroform	Byproduct of chlorination	**80	n/a	ua/L	_No	ND	2.22	0.35	77	No	ND	0.98	0.37	122	No	ND	1.15	0.25	190
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ua/L	No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	_No_	ND	1.08	ND	77	_No	ND	0.80	ND	122	No	ND	1.21	ND	190
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	_No	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
Free Chlorine	Used as a disinfectant	4	n/a	ma/L	No	0.44	1.37	0.96	340	No	0.29	1.58	0.95	698	No	0.35	1.50	1.03	535
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	_No_	ND	ND	ND	8	No	ND	ND	ND	10	No	ND	ND	ND	6
(*MCL is the sum of t	he starred compounds sho	wn abo	ve)																

					E	Distribu	ution A	rea 12	2		istribu	ution A	rea 14	1	D	istribu	ution <i>F</i>	rea 1	5
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low		Avg.		Violation Yes/No	Low		Avg.	No. of Tests	Violation Yes/No	Low	e of Rea High Value	Avg.	No. of Tests
Disinfectant and Disi	infection Byproducts (**M	CL is the	sum	of the	four s	tarre	d com	ipou	ınds	shown	belo	ow)							
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ua/L	No	ND	1.89	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ua/L	No	ND	ND	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ua/L	No	ND	9.20	0.25	556	No	ND	0.75	ND	23	No	ND	4.30	ND	351
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.35	ND	556	No	ND	ND	ND	23	No	ND	0.89	ND	351
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	ND	0.75	0.11	300	No	0.05	0.16	0.07	14	No	0.03	0.70	0.14	209
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	9.35	0.46	556	No	ND	1.10	0.36	23	No	ND	5.58	0.49	351
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	1.06	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	6.55	ND	556	No	ND	0.61	ND	23	No	ND	2.55	ND	351
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	2.50	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.33	1.60	0.96	2751	No	0.25	1.50	0.94	263	No	0.27	1.81	0.99	2.022
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ua/L	No	ND	0.69	ND	40	No	ND	ND	ND	4	No	ND	ND	ND	12
	,																		
(*MCL is the sum of t	he starred compounds sho	auun ahai	101																

Disinfectants and Disinfection Byproducts (cont'd)

					D	istribu	tion A	rea 23	3	D	istribu	ıtion A	rea 26	6	D	istribu	ıtion A	rea 30	
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Yes/No	Low Value		Avg. Value		Violation Yes/No	Low Value		Avg.	No. of Tests	Violation Yes/No		e of Read High Value	Avg.	No. of Tests
Disinfectant and Disinf	ection Byproducts (**MC	L is the	sum	of the	tour st	arrec	com	ıpou	inds :	shown	belo	w)							
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	No	ND	ND	ND	12	_No	ND	1.04	ND	4_	No	ND	2.02	0.87	10
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	_No_	ND	ND	ND	12	_No_	ND	ND	ND	4	No	ND		ND	10
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	_No_	ND	2.70	ND	210	_No_	ND	3.40	0.44	55	No	ND	4.61	0.27	184
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	No	ND	1.51	ND	210	_No	ND	3.00	0.34	55	No	ND	3.41	0.30	184
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	_No	0.03	0.37	0.13	129	_No_	0.09	0.26	0.16	33_	No	ND	0.52	0.12	118
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	_No_	ND	4.19	1.15	210	_No	0.31	4.03	1.03	55	No	ND	3.10	0.45	184
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	ND	0.46	ND	12	_No	0.54	1.26	0.84	4_	No	0.60	2.38	1.25	10
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	_No_	ND	2.65	ND	210	_No_	ND	4.95	0.54	55_	No	ND	5.47	0.37	184
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	_No	ND	ND	ND	12	_No	ND	ND	ND	4	No	ND	1.73	ND	10
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.27	1.60	0.95	1,227	_No	0.37	1.50	0.88	253	No	0.20	1.55	0.95	863
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	_No_	ND	ND	ND	12	_No_	ND	ND	ND	4	No	ND	1.00	ND	10
	1			_															
(*MCL is the sum of the	starred compounds sho	wn aho	ve)																
MOL IS the Sum of the	, starred compounds sno	WII abo	· · ·)																

					D	istribu	tion A	rea 32	2	D	istribu	tion A	rea 3	4	D	istribu	tion A	rea 35	
Detected Compound Disinfectant and Disinfec	Likely Source	MCL is the	MCLG sum	Unit of Measure	Violation Yes/No	Low Value		Avg. Value	No. of Tests nds s	Yes/No	Low Value		Avg.	No. of Tests	Violation Yes/No		of Read High Value	Avg.	No. of Tests
Bromochloroacetic Acid Bromodichloroacetic Acid Bromodichloromethane Bromoform Chlorate Chloroform Dibromoacetic Acid Dibromochloromethane Dichloroacetic Acid Free Chlorine Trichloroacetic Acid	Byproduct of chlorination Used as a disinfectant Byproduct of chlorination	50 50 **80 **80 n/a **80 *60 **80 *60 4	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No No No No No No No No No No	NA NA ND ND 0.11 ND NA ND NA 0.62 NA	0.35 0.32 4.53 NA 1.03 NA	NA NA 0.30 ND 0.20 2.72 NA 0.29 NA 0.98	0 0 9 9 6 9 0 9	No N	NA NA ND ND 0.05 0.37 NA ND NA 0.50	2.38 NA 1.02 NA	NA NA ND ND 0.08 1.77 NA 0.25 NA 1.01	0 0 10 10 6 10 0 10 0 107 0	No No No No		NA ND 0.25 0.30 0.36 NA 0.28 NA 1.70	NA NA ND ND 0.14 ND NA ND NA 1.08	0 0 31 31 10 31 0 31 0 94

					D	istribu	tion Ar	ea 44	!	D	istribu	ıtion A	rea 53	3	D	istribu	ition A	rea 54	
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Yes/No	Low Value	Value	Avg. Value	No. of Tests	Violation Yes/No	Low Value	e of Read High Value	Avg.	No. of Tests	Violation Yes/No		of Read High Value	Avg.	No. of Tests
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	_No	NA_		NA	0	_No_	_ND_	0.85	ND	8		ND	ND	ND	4
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ug/L	_No	NA_		NA	0	_No	_ND_	1.60	_ND_	8	No	ND	ND_	ND	4
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	_No	ND	2.10	0.61	10	_No	_ND_	2.48	0.62	28	No	ND	1.80	0.37	35
Bromoform	Byproduct of chlorination	**80	n/a	ua/L	No.	ND	0.83	0.33	10	_No	ND	ND	ND	28	No	ND	ND	ND	35
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	_No	0.09	0.21	0.14	6	No	ND	0.18	0.06	28	No	ND	0.68	0.12	47
Chloroform	Byproduct of chlorination	**80	n/a	ua/L	No	1.00	2.90	2.00	10	No	ND	11.81	1.46	28	No	ND	6.86	0.91	35
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	8	No	ND	ND	ND	4
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.04	0.63	10	No	ND	0.66	0.26	28	No	ND	0.53	ND	35
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA		NA	0	No	ND	6.10	1.69	8	No	ND	ND	ND	4
Free Chlorine	Used as a disinfectant	4	n/a	ma/L	No	0.44		0.86	56	No	0.59	1.63	1.08	80		0.26		1.09	142
		*60	n/a	ua/L	No	NA		NA	0	No	ND	10.55		<u>8</u>		ND		0.41	4
Trichloroacetic Acid	Byproduct of chlorination	60	II/a	ug/L	INO	INA	INA	INA		140	_ עעו	10.55	2.43	8	INO	ואט	0.77	0.41	_4_
(*MCL is the sum of th	ne starred compounds sho	wn abo	ve)																

					D	distribu	ıtion Ar	ea 57	7	, I	Distrib	ution A	rea 64	1	Dis	tributi	on Are	a EFV	ND
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation Yes/No	Low Value	Value	Avg. Value		Violation Yes/No	Low Value		Avg.	No. of Tests	Violation Yes/No		e of Read High Value	Avg.	No. of Tests
Disinfectant and Disi	infection Byproducts (**M	CL is the	sum	of the	four s	tarre	d com	ipot	ınds	show	ı bel	ow)							
Bromochloroacetic Acid	Byproduct of chlorination	50	n/a	ua/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12
Bromodichloroacetic Acid	Byproduct of chlorination	50	n/a	ua/L	_No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12
Bromodichloromethane	Byproduct of chlorination	**80	n/a	ug/L	_No	ND	1.84	0.41	10	No	ND	1.97	0.57	20	No	ND	1.80	0.57	21
Bromoform	Byproduct of chlorination	**80	n/a	ug/L	_No	ND	0.92	0.27	10	No	ND	1.16	0.37	20	No	ND	0.65	ND	21
Chlorate	Byproduct of chlorination	n/a	n/a	mg/L	No	0.09	0.23	0.15	6	No	0.12	0.24	0.16	12	No	0.04	0.24	0.11	14
Chloroform	Byproduct of chlorination	**80	n/a	ug/L	No	0.26	3.10	1.83	10	No	1.08	3.59	2.35	20	No	ND	2.21	0.93	21
Dibromoacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	0.78	0.44	6	No	ND	ND	ND	12
Dibromochloromethane	Byproduct of chlorination	**80	n/a	ug/L	No	ND	2.03	0.46	10	No	ND	2.29	0.70	20	No	ND	1.21	0.41	21
Dichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6	No	ND	ND	ND	12
Free Chlorine	Used as a disinfectant	4	n/a	mg/L	No	0.40	1.33	0.77	56	No	0.65	1.36	0.98	35	No	0.39	1.52	0.91	164
Trichloroacetic Acid	Byproduct of chlorination	*60	n/a	ug/L	No	NA	NA	NA	0	No	ND	ND	ND	6		ND	ND	ND	12
(*MCL is the sum of t	he starred compounds sho	own abo	ve)																

Disinfectants and Disinfection Byproducts (cont'd)

Detected Compound Likely Source Disinfectant and Disinfection Byprodu Bromochloroacetic Acid Byproduct of chlorin Bromodichloroacetic Acid Byproduct of chlorin Bromodichloromethane Byproduct of chlorin	ation 50	MCLG Sum			Low Value	e of Readings High Av Value Val	g. No. of ue Tests	Violation Yes/No Shown	Low Value	Value V	ngs Avg. No.of /alue Tests	Low		<u>igs</u> Avg. No.of /alue Tests
Bromochloroacetic Acid Byproduct of chlorin Bromodichloroacetic Acid Byproduct of chlorin Bromodichloromethane Byproduct of chlorin	ation 50				tarre	d compo	ounds	showi	1 belo	ow)				
Bromodichloroacetic Acid Byproduct of chlorin Bromodichloromethane Byproduct of chlorin		n/a												
Bromoform Byproduct of chlorir Chlorate Byproduct of chlorir Chloroform Byproduct of chlorir Dibromoacetic Acid Byproduct of chlorir Dibromochloromethane Byproduct of chlorir Dichloroacetic Acid Byproduct of chlorir Free Chlorine Used as a disinfect Trichloroacetic Acid Byproduct of chlorir	ation **80 ation **80 ation n/a ation **80 ation **80 ation *60 ation **80 ation *60 ation *60 ation 460 ation 460	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L mg/L ug/L ug/L ug/L ug/L ug/L ug/L	No No No No No No No No No No	ND ND ND ND 0.05 0.69 ND ND ND ND 0.29	ND NE ND NE ND NE 0.69 0.3 ND NE 0.09 0.0 1.60 0.9 ND NE 0.52 0.2 ND NE 1.32 0.8 ND NE	0 8 5 10 0 10 7 10 7 10 8 8 5 10 0 8	No No No No No No No No No No No	ND ND ND 0.04 ND ND ND ND ND ND ND ND ND	ND N 0.67 0 ND N 0.09 0 0.80 0 ND N 0.55 N ND N 1.50 0	ND 8 ND 8 1.27 12 ND 12 1.07 12 1.42 12 ND 8 ND 12 ND 8 ND 12 ND 8	ND ND ND ND 0.06 ND ND ND ND ND ND	ND N 0.38 N 0.26 N 0.34 0. 5.07 1. ND N 0.61 N ND N 1.60 1.	ID 1 ID 19 ID 19 ID 19 IT 9 31 19 ID 1 ID 1 ID 19 ID 1 ID 1 ID 19 ID 1

Lead

Elevated levels of lead can cause serious health problems, especially for pregnant women, infants, and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. SCWA is responsible for providing high quality drinking water, but is not responsible for the variety of materials used in a homeowner's plumbing. If you haven't run your water for several hours, you can minimize the potential for lead exposure by running your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. To schedule a lead test, please contact our Customer Contact Center (contact information listed on back page). Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at www.epa.gov/safewater/lead. Additional information 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 the SCWA performs this testing every year. 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). Based on our 2023 LCR results, we have optimal corrosion control. Additional information on our pH treatment can be found on page 43.

2023 Lead and Copper Test Results

The values reported below for lead and copper represent the 90th percentile of the total number of samples collected in each water system. A percentile is a value on a scale of 100 that indicates the percentage of a distribution that is equal to or below it. For Dering Harbor and West Neck Water Districts (Distribution Area 64 and 66), the 90th percentile is found by averaging the two highest concentrations.

Compound	Unit of Measure	MCL	G Acti	ion Level	Likely	Source
Lead	ug/l	0		15.0	Household	l plumbing
Location		Date of Sampling		Results ug/l	90th Percentile Value (ug/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/08-9/24	52	ND-5.36	1.27	0
Fire Island	No	7/06-8/20	20	ND-4.64	3.41	0
Stony Brook	No	7/24-9/18	21	ND-1.67	ND	0
Riverside	No	8/15-8/21	12	ND-3.17	1.06	0
E. Farmingdale	No	8/23-9/07	21	ND-7.99	1.2	0
Dering Harbor	No	8/09-9/01	5	ND-1.49	ND	0
West Neck	No	8/10-9/27	7	ND-1.46	1.32	0

- (1) The 90th percentile value is equal to or greater than 90% of the lead values detected in the water system.
- (2) In this case, 138 total samples were collected from the water systems shown above and the 90th percentile values ranged from ND to 3.41 ug/l for lead. The action level value for lead was not exceeded at any of the 138 sites tested.

Compound	Unit of Measure	MCL	G Act	ion Level	Likely	Source
Copper	mg/l	1.3		1.3	Household pl	umbing
Location	Violation Yes/No	Date of Sampling	Number of Samples	Results mg/l	90th Percentile Value (mg/l) ^{1,2}	No. of Samples Over Action Level
SCWA	No	8/08-9/24	52	ND-0.583	0.349	0
Fire Island	No	7/06-8/20	20	ND-0.674	0.567	0
Stony Brook	No	7/24-9/18	21	0.0560-0.555	0.36	0
Riverside	No	8/15-8/21	12	0.0584-0.437	0.397	0
E. Farmingdale	No	8/23-9/07	21	ND-0.221	0.175	0
Dering Harbor	No	8/09-9/01	5	0.0393-0.213	0.178	0
West Neck	No	8/10-9/27	7	0.0705-1.13	0.879	0

- (1) The 90th percentile value is equal to or greater than 90% of the copper values detected in the water system.
- (2) In this case, 138 total samples were collected from the water systems shown above and the 90th percentile values ranged from 0.175 to 0.879 mg/l for copper. The action level value for copper was not exceeded at any of the 138 sites tested.

Detected Compound Like	nds as well as Contaminants					Distributio	n Area 1		Distrib	bution	Area 4			Distril	oution /	Area 5	
Like	ely Source	NCL N		Unit of			Readings	- 15 1 0			Reading	_			ge of Re		
				Measure	Violation Yes/No			o. of Violations	on Low o Value			No. of Tests	Violation Yes/No		High Value	-	No. of Tests
Inorganics																	
morganics																	
Alkalinity to pH 4.5 mg CaCO3/L Natu		n/a	n/a	mg/L	No	ND 118.4			32.0	46.6		8		34.6			10
	rally occurring e fertilizers, septic systems	n/a n/a	n/a n/a	mg/L mg/L	No	ND 0.30 ND 0.14	0.03 637 ND 198		0.02 ND	0.09 ND	0.06 ND	<u>8</u> 4		ND ND	0.10 ND	0.04 ND	<u>22</u> 5
Arsenic Eros	ion of natural deposits	10	0	_ug/L_	No	ND 2.7	ND 637	No.	ND	ND	ND	8	No	ND	ND	ND :	22
	ion of natural deposits rally occurring	n/a	n/a	mg/L mg/L	No .	ND 0.09 ND 0.62	ND 637 ND 1013		ND ND		ND ND	8 38		ND ND	0.20 ND		22 12
Bromide Natu	rally occurring	n/a	n/a	ug/L	No	ND 122.7	ND 362	No.	ND	ND	ND	88	No	ND	75.9	ND	10
	rally occurring, pH control ally occurring, salt water intrusion, road salt	n/a 250	n/a n/a	mg/L mg/L	No .	ND 59.3 3.8 133.4	12.1 1013 19.5 373		ND 2.9	0.9 4.3	0.5 3.6	38 8		11.3 11.9	52.1 157.9		12 39
Chromium, total Natu	ral deposits	100	100	ug/L	No	ND 1.2	ND 637	No.	ND	0.5	ND	88	No	ND	2.5	1.0	22
	rally occurring rally occurring	n/a n/a	n/a n/a	mg/L ug/L	No .	0.1 24.1 ND 4.8	5.1 330 ND 637		2.4 ND	8.0 ND	5.1 ND	8		3.3 ND	18.8 ND		10 22
Color, Apparent Natu	rally occurring metals or minerals	15	n/a	Color Units	No	ND 15	ND 330	No.	ND	7	ND	88	_No	ND	ND	ND	10
	sehold plumbing ion of natural deposits	AL=1.3 2.2	1.3 n/a	mg/L mg/L	No	ND 0.19 ND 0.5	ND 637 ND 373		ND ND	0.02 ND	ND ND	8		ND ND	0.20 ND		22 39
Hardness, total Meas	sure of the calcium and magnesium	n/a	n/a	_mg/L_	No .	2.2 181.0	36.4 1013	3 No.	ND	2.6	ND	38	No :	46.2	179.3	95.1	12
Hexavalent Chromium Erosi Iron Natu	ion of natural deposits rally occurring	n/a 300	n/a n/a	ug/L ug/L	No Yes	ND 0.89 ND 885	0.15 332 219 1013		ND 193	0.18 421	ND 295	8 38		0.11 ND	2.58 68		14 12
Lithium Natu	rally occurring	n/a	n/a	ug/L	No	ND 9.1	2.1 637	No.	3.6	4.2	4.0	8	_No	ND	2.0	ND :	22
Magnesium Natu Manganese Natu	rally occurring rally occurring	n/a 300	n/a n/a	mg/L ug/L	No .	0.19 9.35 ND 108	1.49 1013 10 1013		ND ND		ND ND	38 38		4.38 ND	11.96 ND		12 12
Nickel Alloys	s, coatings manufacturing, batteries	100	n/a	uğ/L_	No .	ND 8.0	1.0 637	No.	ND	ND	ND	8	No	ND	1.8	0.7	22
	ral deposits, fertilizer, septic tanks ral deposits, fertilizer, septic tanks	10	10	mg/L mg/L	No .	ND 4.56 ND ND	0.54 372 ND 373		ND ND	0.02 ND	ND ND	8		3.59 ND	8.19 ND		39 39
Perchlorate Fertili	izers, solid fuel propellant, fireworks	15	5	ug/L	No	ND 1.71	ND 367	No.	ND	ND	ND	10	_No	ND	1.88	0.60	12
	sure of water acidity or alkalinity sure of water acidity or alkalinity	n/a n/a			No No	6.5 8.8 6.6 8.5	7.4 632 7.5 3874	No.	6.9 7.0	7.5 7.9	7.2 7.3	8 42		6.6 6.9	8.1 8.0		21 155
Phosphate, total Adde	ed to keep iron in solution	n/a	n/a	mg/L	No	ND 3.56	0.68 1013	3 No.	0.27	3.70	1.88	38	_No	ND	ND	ND	12
	rally occurring rally occurring	n/a n/a	n/a n/a	mg/L mg/L		0.23 5.70 2.9 8.6	0.64 1013 4.9 637		1.19 4.2	1.52 4.4	1.30 4.3	38 8		0.92 6.8	2.25 7.8		12 22
	rally occurring	n/a	n/a	mg/L	No .	2.5 64.4	7.4 1013		18.5	34.9		38	No	8.5	72.4		12
Specific Conductance Total Strontium-88 Natu	of naturally occurring minerals rally occurring	n/a n/a	n/a n/a		No_	47 541 ND 0 101	129 330		96 ND	142 ND	116 ND	8		150 0.037	756 0.151		10 22
	rally occurring	250	n/a	mg/L mg/L	No	ND 0.191 ND 53.4	0.036 637 6.4 373		7.5	8.7	8.0	8		5.9	19.8		39
	rally occurring	n/a	n/a	ug/L	No_	ND 9.1	ND 1013		ND 0.9	ND 0.9	ND 0.9	38		ND ND	ND ND	ND ND	12 2
Total Organic Carbon (TOC) Natur Turbidity Silts	and clays in aquifer	n/a 5	n/a n/a	mg/L NTU	No No	ND 0.6 ND 2.95	ND 32 0.42 330		ND	ND	ND	8		ND	0.93		10
	rally occurring	n/a n/a	n/a	ug/L	No_	ND ND	ND 637		ND_		ND	8		ND ND	ND ND		22 22
	rally occurring rally occurring, plumbing	5	n/a n/a	ug/L mg/L	No	ND 1.1 ND 0.07	ND 637 ND 637		ND ND		ND ND	8		ND	0.04		22
	Compounds including	Pes 50	ticio n/a	des ai		erbicid	es (Augus		NYS ad		n MCL	of 1 pp		Dioxa	ne, see		4) 12
Alachlor OA Degr	adation product of Alachlor	50	n/a	ug/L	No	ND ND	ND 334	No.	ND	ND	ND	8	No	ND	ND	ND	12
	icide used on row crops icide used on row crops	4	1	ug/L ug/L	No	ND ND	ND 328 ND 328		ND ND		ND ND	8		ND ND	ND ND		10 10
Chlordane, Total Resi	due of banned termiticide	2	n/a	ug/L	No	ND ND	ND 328	No.	ND	ND	ND	8	No	ND	ND	ND	10
Diethyltoluamide (DEET) Insect 1,4-Dioxane Usec	d in manufacturing processes	50 *1	n/a n/a	ug/L ug/L	No	ND 0.27 ND 0.64	ND 331 0.09 379		ND ND		ND ND	8	No	ND ND	ND 0.97		10 22
Metalaxvl Used	d as a fungicide	50 50	n/a n/a	ug/L ug/L	No	ND ND	ND 331	L No.	ND ND	ND		8	No	ND ND	ND ND	ND	10 12
Metolachlor OA Degr	radation product of Metolachlor radation product of Metolachlor	50	n/a	ug/L ug/L	No No	ND ND ND ND	ND 334 ND 334		ND		ND	8		ND	ND	ND	12
Tetrachloroterephthalic Acid Usec	d as a herbicide	50	n/a	uğ/L	No	ND 1.53	ND 330		ND	ND		8		ND	ND		12
Volatile Organic Co	ompounds																
	n industrial chemical factories	5	n/a	ug/L	No	ND 0.18	ND 471		ND	ND		8	No	ND	ND		61
	d as a refrigerant n industrial chemical factories	5 5	n/a n/a	ug/L ug/L	No No	ND ND	ND 471 ND 471		ND ND	ND ND	ND	8 8		ND ND	ND 0.31		61 61
1.3-Dichlorobenzene Used	l as a fumigant and insecticide	5	n/a	ug/L	No	ND 0.15	ND 471	L No.	ND	ND	ND	8	No	ND	ND	ND	61
Dichlorodifluoromethane Refri 1,1-Dichloroethane Degr	gerant, aerosol propellant reaser, gasoline, manufacturing	5 5	n/a n/a	ug/L ug/L	No No	ND ND ND 0.80	ND 471 ND 471		ND ND		ND ND	8 8		ND ND	ND 0.61		61 61
1,1-Dichloroethene From	easer, gasoline, manufacturing n industrial chemical factories	5	n/a	ug/L	No	ND 0.29	ND 471	L No.	ND	ND	ND	8	No	ND	0.43	ND	61
1,2-Dichloropropane From Ethyl Benzene From	n industrial chemical factories n paint on inside of water storage tank	5 5	n/a	ug/L ug/L	No No	ND ND ND 0.13	ND 471 ND 471		ND ND	ND ND	ND	8		ND ND	ND ND		61 61
4-Methyl-2-Pentanone From	n manufacturing facilities	50	n/a	ug/L	No	ND ND	ND 471	L No.	ND	ND	ND	8	No	ND	ND	ND	61
Methyl-Tert-Butyl Ether Gaso o-Xylene From	oline n paint on inside of water storage tank	10 5	n/a n/a	ug/L ug/L	No No	ND 0.44 ND 0.60	ND 471 ND 471		ND ND		ND ND	8		ND ND	ND 0.24		61 61
p,m-Xylene From	paint on inside of water storage tank	5	n/a	ug/L	No	ND 0.58	ND 471	L No.	ND	ND	ND	8	No	ND	ND	ND	61
Tetrachloroethene Factor From	ories, dry cleaners, spills n paint on inside of water storage tank	5 5	n/a	ug/L ug/L	No No	ND 0.32 ND 0.31	ND 471 ND 471		ND ND	ND ND	ND	8		ND ND	0.27 ND		61 61
1.1011	harge from textile-finishing factories	5	n/a	ug/L	No	ND 0.35	ND 471	L No.	ND	ND	ND	8	No	ND	ND	ND	61
1,2,4-Trichlorobenzene Discl	al degreasing sites, factories	5	n/a	ug/L	No_	ND ND	ND 471		ND_	ND_	ND	8		ND	0.36		61
1,2,4-Trichlorobenzene Discl 1,1,1-Trichloroethane Meta Trichloroethene Meta	al degreasing sites, factories	5	0	ua/L	Nο	ND 0.34	ND 471	No	ND	_ND	ND	8	_No	ND	0.85	ND	61
1,2,4-Trichlorobenzene Discl 1,1,1-Trichloroethane Meta Trichloroethene Meta Trichlorofluoromethane Dry c	al degreasing sites, factories cleaning, propellant, fire extinguishers	5	n/a	ug/L ug/L	No No	ND 0.34 ND ND	ND 471 ND 471	L No.	ND ND	ND	ND ND	8	No	ND	ND	ND	61
1,2,4-Trichlorobenzene Discl 1,1,1-Trichloroethane Meta Trichloroethene Meta Trichlorofluoromethane Dry c	al degreasing sites, factories cleaning,propellant,fire extinguishers reasing agent, manufacturing			ug/L ug/L ug/L	No No			LNo. LNo.		ND	ND ND		No No			ND ND	

Naturally Occuring Con	mpounds as well as Contaminants					Distributi	ion Ar	rea 6		Distrib	ution /	Area 7		Distri	bution A	Area 8	
Detected Compound	Likely Source	MCL N		Unit of		Range (eadings			ige of Re		
				Measure	Violatio Yes/N		ligh A alue V	Avg. No. of lalue Tests	Violatio Yes/No	n Low Value				on Low Io Value			No. of Tests
Inorganics																	
Alkalinity to pH 4.5 mg CaCO3/I	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	mg/L mg/L	No	ND 85		53.3 43	No_ No_		68.2 0.04	60.1 4 0.02 5	No No	28.4 ND	33.8 0.02	31.0 ND	8
Ammonia, free	Some fértilizers, septic systems	n/a	n/a	mg/L	No No	ND NI	D	ND 22	No_	ND	ND	ND 2	_No_	ND	ND	ND	4
Arsenic Barium	Erosion of natural deposits Erosion of natural deposits	10	2	ug/L mg/L	No No	NDNI _ND_0.0	06	ND 50 ND 50	<u>No</u> No		ND 0.03	ND 5 0.02 5	No No	ND ND	ND ND	ND ND	<u>8</u> 8
Boron Bromide	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	mg/L ug/L	No No	_ <u>ND_NI</u> _ND_74		ND 43 ND 47	No _No	ND ND	ND 59.2	ND 4 ND 4	No No	ND _ND	ND ND	ND ND	<u>8</u> 8
Calcium Chloride	Naturally occurring, pH control Naturally occurring, salt water intrusion, road salt	n/a 250	n/a n/a	mg/L mg/L	No No	6.8 37 7.5 30	.3 2	23.3 43	No_ No_	12.1 14.0	30.0 23.9	21.6 4 22.1 25	No No	9.7 6.8	16.8 18.6	13.0 11.9	<u>8</u> 8
Chromium, total	Natural deposits	100 n/a	100	ug/L	No	ND 12	.0	0.7 50	No_	ND	ND	ND 5	_No_	ND 3.6	ND 12.6	ND 7.0	8
CO2, calculated Cobalt-59	Naturally occurring Naturally occurring	n/a	n/a n/a	mg/L ug/L	No No	0.326 ND0.	8	8.3 43 ND 50	No _No	ND	14.5 ND	9.8 4 ND 5	No No	ND	ND	ND	8
Color, Apparent Copper	Naturally occurring metals or minerals Household plumbing	15 AL=1.3	n/a d	Color Units mg/L	No No	<u>ND5</u> _ND0.0		ND 43 ND 50	<u>No</u> _ No_	ND ND	ND 0.06	ND 4 ND 5	No No	ND _ND	5 ND	ND ND	<u>8</u> 8
Fluoride Hardness, total	Erosion of natural deposits Measure of the calcium and magnesium	2.2 n/a	n/a n/a	mg/L mg/L	No No	ND NI 25.4 126		ND 195 77.5 43	No _No	ND 46.3	ND 99.2	ND 25 74.4 4	No No	ND _27.7	ND 54.1	ND 40.1	<u>8</u> 8
Hexavalent Chromium Iron	Erosion of natural deposits	n/a 300	n/a n/a	_uğ/L_	No	ND 0.8	38 C	0.30 49 ND 43	No_		0.16 ND	ND 5	No No	ND ND	0.28 ND	0.18 ND	8
Lithium	Naturally occurring Naturally occurring	n/a	n/a	ug/L ug/L	No No	ND 2.	0	ND 50	No _No	ND	ND	ND 5	_No_	ND	ND	ND	8
Magnesium Manganese	Naturally occurring Naturally occurring	n/a 300	n/a n/a	mg/L ug/L	No No	1.60_8.2 NDNI		1.66 43 ND 43	No _No	3.88 ND	5.89 ND	4.99 4 ND 4	No No	0.85 ND	2.96 ND	1.85 ND	<u>8</u> 8
Nickel Nitrate	Alloys, coatings manufacturing, batteries Natural deposits, fertilizer, septic tanks	100	n/a 10	ug/L mg/L	No No	_ND 1. _0.20 8.2		0.6 50 6.09 194	<u>No</u> _ No_	ND 0.06	0.9 8.17	0.6 5 6.04 25	No No	0.6 1.46	6.5 4.00	1.6 2.66	8 8
Nitrite Perchlorate	Natural deposits, fertilizer, septic tanks Fertilizers, solid fuel propellant, fireworks	15	1 5	mg/L ua/L	No No	ND NI	D	ND 195 1.06 59	No_	ND ND	ND ND	ND 25 ND 6	No No	ND 0.75	ND 2.04	ND 1.28	<u>8</u> 10
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Ŭnits	No	6.6 8.	7	7.3 92	No_	6.9	8.1	7.3 16	No	6.7	7.2	7.0	8_
pH, field Phosphate, total	Measure of water acidity or alkalinity Added to keep iron in solution	n/a n/a	n/a	pH Units mg/L	No No	6.8 9. ND NI	D I	7.4 701 ND 43	No _No		8.4 0.29	7.2 170 ND 4	No No	7.0 ND	7.7 ND	7.3 ND	60 8
Potassium Silicon	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	mg/L mg/L	No No	0.581.5 4.89.		1.06 43 7.0 50	<u>No</u> _ No_	1.03 6.8	1.31 8.6	1.15 4 7.6 5	No No	0.55 3.7	0.97 4.1	0.74 3.9	<u>8</u> 8
Specific Conductance	Naturally occurring Total of naturally occurring minerals	n/a n/a	n/a n/a	mg/L umho/cm	No	6.1 16 90 34	.4 1	10.9 43 224 43	No_	10.0 145	16.1 291	13.1 4 225 4	No No	5.2 85	10.4 191	7.6 130	8
Strontium-88 Sulfate	Naturally occurring Naturally occurring	n/a 250	n/a n/a	_mg/L	No	0.024 0.1	21 0	.075 50	No_	0.065	0.097	0.087 5	_No_	0.018 ND		0.034 4.3	8 8
Titanium	Naturally occurring	n/a	n/a	mg/L ug/L	No No	ND 25 _ND NI	D I	12.2 195 ND 43	No _No	ND ND	13.2 ND	10.2 25 ND 4	No No	ND	ND	ND	8
Total Organic Carbon (TOC) Turbidity	Naturally occurring Silts and clays in aquifer	n/a 5	n/a n/a	mg/L NTU	No No	_ND_NI _ND_1.8		ND 4 0.43 43	No _No	ND ND	ND 0.78	ND 2 0.47 4	No No	ND ND	ND 0.67	ND 0.45	<u>2</u> 8
Uranium Vanadium	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	ug/L ug/L	No No	ND NI ND NI	D I	ND 50 ND 50	No_ No_	ND ND	ND ND	ND 5 ND 5	No No	ND ND	ND ND	ND ND	<u>8</u> 8
Zinc	Naturally occurring, plumbing	5	n/a	mg/L	No	ND NI		ND 50	No_	ND	ND	ND 5	No	ND	0.03	ND	8
	nic Compounds including				nd F												
Alachlor ESA Alachlor OA	Degradation product of Alachlor Degradation product of Alachlor	50 50	n/a n/a	ug/L ug/L	No No	ND NI ND NI		ND 48 ND 48	No _No	ND ND	ND ND	ND 4 ND 4	No No	ND ND	ND ND	ND ND	<u>8</u> 8
Aldicarb Sulfone Aldicarb Sulfoxide	Pesticide used on row crops Pesticide used on row crops	2	1	ug/L ug/L	No No	ND NI		ND 52 ND 52	No _No	ND ND	ND ND	ND 4 ND 4	No No	ND ND	ND ND	ND ND	<u>8</u> 8
Chlordane, Total Diethyltoluamide (DEET)	Residue of banned termiticide	2 50	n/a n/a	ug/L ug/L	No No	ND NI	D	ND 43 ND 46	No_	ND ND	ND ND	ND 4 ND 4	No No	ND ND	ND ND	ND ND	<u>8</u> 8
1,4-Dioxane Metalaxyl	Used in manufacturing processes Used as a fungicide	*1 50	n/a n/a	ug/L	No	ND 2.5	59 C	0.54 88	No_	ND	1.57	0.3510 ND 4	No No	ND ND	0.19 ND	0.11 ND	14
Metolachlor ESA	Degradation product of Metolachlor Degradation product of Metolachlor	50 50	n/a	ug/L ug/L	No No	NDNI NDNI	D	ND 46 ND 48	No_ No_	ND ND	ND ND	ND 4	_No_	ND	ND	ND ND	8
Metolachlor OA Tetrachloroterephthalic Acid	Used as a herbicide	50	n/a n/a	ug/L ug/L	No No	NDNI _ND5.0		ND 48 1.26 59	<u>No</u> _No	ND ND	ND ND	ND 4 ND 4	No No	ND ND	ND ND	ND	8
Volatile Organi	c Compounds																
Chlorobenzene	From industrial chemical factories	5 5	n/a	ug/L	No	ND NI		ND 197	No_		ND	ND 22	No.	ND ND	ND ND	ND ND	10 10
Chlorodifluoromethane Cis-1,2-Dichloroethene	Used as a refrigerant From industrial chemical factories	5	n/a n/a	ug/L ug/L	No No	ND NI ND 1.0	07	ND 197 ND 197	<u>No</u> No	ND ND	ND ND	ND 22 ND 22	No No	ND ND	ND	ND	10
1,3-Dichlorobenzene Dichlorodifluoromethane	Used as a fumigant and insecticide Refrigerant, aerosol propellant	5 5	n/a n/a	ug/L ug/L	No No	NDNI _ND_NI	D I	ND 197 ND 197	No _No	ND ND	ND ND	ND 22 ND 22	No No	ND ND	ND ND	ND ND	10 10
1,1-Dichloroethane 1,1-Dichloroethene	Degreaser, gasoline, manufacturing From industrial chemical factories	5 5	n/a n/a	ug/L ug/L	No No	ND 1.8 ND 0.3	36 C	0.45 197 ND 197	No_		0.43 ND	ND 22 ND 22	No No	ND _ND	ND ND	ND ND	10 10
1.2-Dichloropropane	From industrial chemical factories From paint on inside of water storage tank	5	n/a	ug/L ug/L	No	ND 0.5	53 I	ND 197 ND 197	No_	ND ND	ND ND	ND 22 ND 22	No No	ND ND	ND ND	ND ND	10 10
Ethyl Benzene 4-Methyl-2-Pentanone	From manufacturing facilities	50	n/a	ug/L	No No	ND N	D	ND 197	No No	ND	ND	ND 22	_No_	ND	ND	ND	10
Methyl-Tert-Butyl Ether o-Xylene	Gasoline From paint on inside of water storage tank	10 5	n/a n/a	ug/L ug/L	No No	ND NI ND NI	D	ND 197 ND 197	<u>No</u> No		ND 0.16	ND 22 ND 22	No No	ND ND	0.34 ND	ND ND	10 10
p,m-Xylene Tetrachloroethene	From paint on inside of water storage tank Factories, dry cleaners, spills	5 5	n/a 0	ug/L ug/L	No No	ND NI ND 2.0	D	ND 197 ND 197	No_ No_		0.28 ND	ND 22 ND 22	No No	ND ND	ND ND	ND ND	10 10
Toluene 1,2,4-Trichlorobenzene	From paint on inside of water storage tank Discharge from textile-finishing factories	5	n/a n/a	ug/L ug/L	No	ND NI	D I	ND 197 ND 197	No_ No_	ND ND	ND ND	ND 22 ND 22	No No	ND ND	ND ND	ND ND	10
1,1,1-Trichloroethane	Metal degreasing sites, factories	5	n/a	ug/L	No No	ND 0.4	10 I	ND 197	No_	ND	ND	ND 22	_No_	ND	ND	ND	10
Trichloroethene Trichlorofluoromethane	Metal degreasing sites, factories Dry cleaning,propellant,fire extinguishers	5 5	n/a	ug/L ug/L	No No	ND 1.8 ND NI	D	ND 197 ND 197	No _No	ND	0.38 ND	ND 22 ND 22	No No	ND ND	0.30 ND	ND ND	10 10
1,2,3-Trichloropropane 1,1,2-Trichlorotrifluoroethane	Degreasing agent, manufacturing Solvent in paints and varnishes	5 5	n/a n/a	ug/L ug/L	No No	ND NI ND 0.2	D	ND 197 ND 197	No_ No_	ND ND	ND ND	ND 22 ND 22	No No	ND ND	ND ND	ND ND	10 10
				-	.,,												

Naturally Occuring Con	npounds as well as Contaminants		Distribution Area 9	Distribution Area 10	Distribution Area 11
Detected Compound	·	MCL MCLG Unit of	Range of Readings	Range of Readings	Range of Readings
		Measure	Violation Low High Avg. No. of Yes/No Value Value Value Tests	Violation Low High Avg. No. of Yes/No Value Value Value Tests	Violation Low High Avg. No. of Yes/No Value Value Value Tests
Inorganics					
Alkalinity to pH 4.5 mg CaCO3/L		n/a n/a mg/L	No 36.4 89.0 61.2 18	No 31.0 62.0 45.5 36	No 26.8 102.2 56.3 41
Ammonia, free	Naturally occurring Some fertilizers, septic systems	n/a n/a mg/L n/a n/a mg/L	No ND 0.04 0.03 23 No ND ND ND 8	No ND ND ND 19	No ND 0.13 0.04 53 No ND ND ND 21
	Erosion of natural deposits Erosion of natural deposits	10 0 ug/L 2 2 mg/L	No ND ND ND 23 No ND 0.03 ND 23	No ND ND ND 40 No ND 0.06 ND 40	No ND ND ND 53 No ND 0.07 0.03 53
	Naturally occurring Naturally occurring	n/a n/a mg/L n/a n/a ug/L	No ND ND ND 18 No ND 58.9 ND 18	No ND ND ND 36 No ND 61.7 ND 40	No ND ND ND 51 No ND 387.6 60.9 42
Calcium	Naturally occurring, pH control Naturally occurring, salt water intrusion, road salt	n/a n/a mg/L 250 n/a mg/L	No 16.9 35.8 26.1 18	No 12.1 37.2 22.0 36	No 11.1 50.0 26.3 51 No 9.7 79.6 41.6 164
Chromium, total	Natural deposits	100 100 ug/L	No ND 3.7 0.6 23	No ND 4.1 0.8 40	No ND 3.9 0.8 53
Cobalt-59	Naturally occurring Naturally occurring	n/a n/a mg/L n/a n/a ug/L	No 2.8 9.7 5.5 18 No ND ND ND 23	No 0.4 28.0 7.5 36 No ND 1.1 ND 40	No ND 2.7 0.5 53
Color, Apparent Copper	Naturally occurring metals or minerals Household plumbing	15 n/a Color Units AL=1.3 1.3 mg/L	No ND ND ND 18 No ND ND ND 23	No ND 5 ND 36 No ND 0.03 ND 40	No ND 5 ND 41 No ND 0.04 ND 53
Fluoride	Erosion of natural deposits Measure of the calcium and magnesium	2.2 n/a mg/L n/a n/a mg/L	No ND ND ND 98	No ND ND ND 181 No 42.7 119.8 72.7 36	No ND ND ND 164 No 35.4 153.7 83.8 51
Hexavalent Chromium	Erosion of natural deposits	n/a n/a ug/L	No ND 2.98 0.53 23	No ND 3.77 0.69 40	No ND 3.68 0.72 45
Lithium	Naturally occurring Naturally occurring	300 n/a ug/L n/a n/a ug/L	No ND 30 ND 18 No ND 2.7 ND 23	No ND 35 ND 36 No ND ND ND 40	No ND 88 ND 51 No ND 1.0 ND 53
	Naturally occurring Naturally occurring	n/a n/a mg/L 300 n/a ug/L	No 2.74 9.71 5.80 18 No ND ND ND 18	No ND ND ND 36	No ND 76 18 51
Nickel	Alloys, cóatings manufacturing, batteries Natural deposits, fertilizer, septic tanks	100 n/a ug/L 10 10 mg/L	No ND 1.5 0.8 23 No 3.14 7.98 6.24 98	No ND 2.1 1.1 40 No 2.20 8.36 6.57 181	No ND 5.2 1.7 53 No 0.07 8.64 6.05 164
Nitrite	Natural deposits, fertilizer, septic tanks	1 1 mg/L	No ND ND ND 98	No ND ND ND 181	No ND ND 164
pH	Fertilizers, solid fuel propellant, fireworks Measure of water acidity or alkalinity	n/a n/a pH Ŭnits	No ND 0.91 0.50 21 No 7.1 8.6 7.5 49	No ND 3.53 1.65 65 No 6.5 8.4 7.3 68	No 6.7 8.4 7.3 66
	Measure of water acidity or alkalinity Added to keep iron in solution	n/a n/a pH Units n/a n/a mg/L	No	No ND ND ND 36	No ND ND ND 51
	Naturally occurring Naturally occurring	n/a n/a mg/L n/a n/a mg/L	No 0.81 1.87 1.23 18 No 4.8 9.9 6.6 23	No 0.81 1.53 1.09 36 No 3.4 8.3 5.5 40	No 0.69 2.15 1.30 51 No 3.8 7.1 5.3 53
Sodium	Naturally occurring	n/a n/a mg/L	No 9.1 20.7 15.2 18	No 8.2 18.9 12.1 36	No 6.4 36.3 19.8 51
Strontium-88	Total of naturally occurring minerals Naturally occurring	n/a n/a umho/cm n/a n/a mg/L	No 184 355 274 18 No 0.058 0.122 0.083 23	No 139 320 223 36 No 0.029 0.1390.074 40	No 0.022 0.144 0.070 53
	Naturally occurring Naturally occurring	250 n/a mg/L n/a n/a ug/L	No ND ND ND 18	No ND 29.2 13.5 181 No ND ND ND 36	No ND 17.3 8.7 164 No ND ND ND 51
Total Organic Carbon (TOC)		n/a n/a mg/L 5 n/a NTU	No ND ND ND 4 No ND 1.31 0.46 18	No ND ND ND 4 No ND 1.56 0.42 36	No ND 0.6 ND 4 No ND 1.29 0.53 41
Uranium	Naturally occurring	n/a n/a ug/L	No ND ND ND 23	No ND ND ND 40	No ND ND ND 53
	Naturally occurring Naturally occurring, plumbing	n/a n/a ug/L 5 n/a mg/L	No ND ND ND 23 No ND ND ND 23	No ND ND ND 40 No ND ND ND 40	No ND ND ND 53 No ND 0.02 ND 53
Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET)	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes	50 n/a ug/L 50 n/a ug/L 2 1 ug/L 4 1 ug/L 2 n/a ug/L 50 n/a ug/L	No ND ND ND 17 No ND ND ND 17	No ND ND ND 37 No ND ND ND 42 No ND ND ND ND 38	No ND ND ND 43 No ND ND ND ND 43 No ND ND ND ND 44 No ND ND ND ND 44 No ND ND ND 44 No ND 1.67 0.48 77
Metalaxyl	Used as a fungicide	50 n/a ug/L	No ND 2.27 0.53 39 No ND ND ND 17	No ND ND 38	No ND ND ND 44
Metolachlor OA	Degradation product of Metolachlor Degradation product of Metolachlor	50 n/a ug/L 50 n/a ug/L	No ND ND 17 No ND ND ND 17	No ND ND ND 37 No ND ND ND 37	No ND ND ND 43 No ND ND ND 43
Tetrachloroterephthalic Acid	Used as a herbicide	50 n/a ug/L	No ND ND ND 20	No ND ND ND 39	No ND ND ND 45
Volatile Organic	Compounds				
Chlorobenzene	From industrial chemical factories	5 n/a ug/L	No ND ND ND 77	No ND ND ND 122	No ND ND ND 190
	Used as a refrigerant From industrial chemical factories	5 n/a ug/L 5 n/a ug/L	No ND ND ND 77 No ND ND ND 77	No ND ND ND 122 No ND ND ND 122	No ND 0.53 ND 190 No ND 0.84 ND 190
1,3-Dichlorobenzene	Used as a fumigant and insecticide Refrigerant, aerosol propellant	5 n/a ug/L	No ND ND ND 77	<u>No</u> ND ND ND 122	No ND ND ND 190 No ND 1.23 ND 190
1,1-Dichloroethane	Degreaser, gasoline, manufacturing From industrial chemical factories	5 n/a ug/L	No ND 0.80 0.26 77	No ND 1.55 0.43 122	No ND 1.42 0.33 190
1.2-Dichloropropane	From industrial chemical factories	5 n/a ug/L 5 0 ug/L	No ND 0.45 ND 77 No ND ND ND 77	No ND 0.29 ND 122 No ND 0.29 ND 122	No ND 0.77 ND 190 No ND ND ND 190
Ethyl Benzene	From paint on inside of water storage tank From manufacturing facilities		No ND ND ND 77 No ND ND ND 77	No ND ND ND 122 No ND ND ND 122	No ND ND ND 190 No ND ND ND 190
Methyl-Tert-Butyl Ether	Gasoline From paint on inside of water storage tank	10 n/a ug/L 5 n/a ug/L	No ND 0.25 ND 77	No ND 0.59 ND 122 No ND ND ND 122	No ND 1.31 ND 190 No ND ND ND 190
p,m-Xylene	From paint on inside of water storage tank	5 n/a ug/L	No ND ND ND 77	<u>No ND ND ND 122</u>	No ND ND 190
Tetrachloroethene	Factories, dry cleaners, spills From paint on inside of water storage tank	5 0 ug/L 5 n/a ug/L	No ND ND ND 77 No ND ND ND 77	No ND 0.34 ND 122 No ND ND ND 122	No ND 0.58 ND 190 No ND ND ND 190
Toluene	Discharge from textile-finishing factories	5 n/a ug/L	No ND ND ND 77	No ND ND ND 122	No ND ND 190
1,2,4-Trichlorobenzene 1.1.1-Trichloroethane	Metal degreasing sites, factories			No ND 0.32 ND 122	No ND 0.69 ND 190
1,2,4-Trichlorobenzene 1,1,1-Trichloroethane Trichloroethene	Metal degreasing sites, factories Metal degreasing sites, factories	5 n/a ug/L 5 0 ug/L	No ND 0.54 ND 77 No ND ND ND 77	No ND 0.32 ND 122 No ND ND ND 122	No ND 0.69 ND 190 No ND 0.60 ND 190 No ND 1.84 ND 190
1,2,4-Trichlorobenzene 1,1,1-Trichloroethane Trichloroethene Trichlorofluoromethane 1,2,3-Trichloropropane	Metal degreasing sites, factories	5 n/a ug/L	No ND 0.54 ND 77	No ND 0.32 ND 122 No ND ND ND 122 No ND ND ND 122 No ND 0.27 ND 122 No ND ND ND 122	

Procedure Compound Chief Secure Procedure Pr	Naturally Occuring Con	mpounds as well as Contaminants		Distribution Area 12	Distribution Area 14	Distribution Area 15
No. State Process						
Aurinium Naturally occurring			Measure			ŭ ŭ
Alembert Marting Scorating Alembert Marting Scorating Alembert Marting Scorating Alembert Alem	Inorganics					
Ammonia, free Some ferfilzers, eighte systems night nigh						
Barlam	Ammonia, free	Some fértilizers, septic systems	n/a n/a mg/L	No ND ND ND 142	No ND ND ND 7	No ND 0.17 ND 87
Romeise	Barium	Erosion of natural deposits	2 2 mg/L	No ND 0.09 ND 478	No ND 0.03 ND 13	No ND 0.13 0.03 204
Chlorido Material yocorring Material yocorri	Bromide	Naturally occurring	n/a n/a uğ/L	No ND 77.1 ND 300	No ND ND ND 14	No ND 57.6 ND 209
Chromium, total Autural (copositis) Autural (copo	Calcium Chloride			110		
Cobat-Spine Maturally cocurring Maturally commontal miles or mineral miles Maturally cocurring Matur	Chromium, total	Natural deposits	100 100 uğ/L	No ND 3.9 0.5 478	No ND 1.0 ND 13	No ND 4.4 1.0 204
Copper	Cobalt-59	Naturally occurring	n/a n/a uğ/L	No ND 2.9 ND 478	No ND ND ND 13	No ND 1.5 ND 204
Hardness_Lotal	Copper	Household plumbing	AL=1.3 1.3 mg/L	No ND 0.12 ND 478	No ND 0.08 0.03 13	No ND 0.10 ND 204
Hexameten Chromium Enson of Instirut deposits Na. Na	Hardness, total				No 8.1 69.9 25.2 14	No 9.8 202.0 79.0 239
Limburn Naturals cocurring Naturals	Hexavalent Chromium Iron	Erosion of natural deposits Naturally occurring		No ND 3.94 0.43 253		
Marganese Naturally cocurring Settlemen Settle	Lithium	Naturally occurring	n/a n/a ug/L	No ND 5.0 ND 478	No ND ND ND 13	No ND 3.5 ND 204
Nigrate Negriar deposits, ferilizer, septic banks 10 10 mg/L No. ND 966. 453. 491 No. ND 415.106 14 No. 0.07 4.62 4.84 509. No. No. ND ND No. ND ND No. ND ND No. ND ND No. ND ND ND ND ND ND ND ND	Manganese	Naturally occurring	300 n/a ug/L	No ND 109 15 485	No ND ND ND 14	No ND 99 15 239
Perchiporate Fertilizers, Solid fuel propelland, fleworosis 15 5 1 16 15 16 16 16	Nitrate	Natural deposits, fertilizer, septic tanks	10 10 mg/L	No ND 9.66 4.53 491	No ND 4.15 1.06 14	No 0.07 9.62 4.84 509
phf. field Measure of water acidity or alkalnify or high prosperials colaid Added to keep from in solution in high might. No. 8, 8, 9, 7, 4, 2745. No. 9, 7, 8, 17, 3, 2022. Prosperials colaid Added to keep from in solution in high might. No. 9, 3, 9, 9, 9, 47, 485. No. 9, 18, 10, 7, 3, 2022. Prosperials colaid and added to keep from in solution in high might. No. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,	Nitrite Perchlorate	Fertilizers, solid fuel propellant, fireworks	15 5 ug/L			No ND 4.22 0.90 213
Phosphate, total	pH pH field			No 6.5 8.7 7.3 442		
Silicon Naturally occurring n/a n/a m/a n/a	Phosphate, total	Added to keep iron in solution	n/a n/a mg/L	No ND 3.09 0.47 485	No ND ND ND 14	No ND 2.19 0.43 239
Specific Conductance Total of naturally occurring minerals n/a n	Silicon	Naturally occurring	n/a n/a mg/L	No 3.1 10.8 6.6 478	No 4.4 7.8 5.2 13	No 4.8 10.5 7.3 204
Sulfate Naturally occurring 250 n/a mg/L No. ND. 30.3 14.0 945 No. ND. 14.6 2.8 14 No. ND. 22.6 1.17. 51.2	Specific Conductance	Total of naturally occurring minerals	n/a n/a umho/cm		No 44 224 92 14	No 41 686 256 167
Tilanium Naturally occurring n/a n/a ug/l No ND 84 ND 485 No ND ND ND 14 No ND ND ND ND ND ND ND						
Turbidity Silts and clays in aquifer 5 n/a NTU No ND 4.15 0.63 248 No ND 0.59 ND 14 No ND 3.33 0.58 166	Titanium	Naturally occurring	n/a n/a uğ/L	No ND 8.4 ND 485	No ND ND ND 14	No ND ND ND 239
Vanadium	Turbidity	Silts and clays in aquifer	5 n/a NŤU	No ND 4.15 0.63 248	No ND 0.59 ND 14	No ND 3.53 0.58 166
Alachior ESA Degradation product of Alachior 50 n/a ug/L No ND ND ND ND 13 No ND ND ND ND 181	<u>V</u> anadium	Naturally occurring	n/a n/a ug/L	No ND 5.4 ND 478	No ND ND ND 13	No ND 5.5 ND 204
14-Dioxane	Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide	50 n/a ug/L 50 n/a ug/L 2 1 ug/L 4 1 ug/L 2 n/a ug/L	No ND ND ND 253 No ND ND ND 253 No ND ND ND 256 No ND ND ND 256 No ND 0,29 ND 261	No ND ND ND 13 No ND ND ND 13	No ND ND ND 181 No ND ND ND 181 No ND ND ND 170 No ND ND ND 170 No ND ND ND 171
Metolachlor ESA Degradation product of Metolachlor 50 n/a ug/l. No ND ND 257 No ND ND 13 No ND ND 172	Diethyltoluamide (DEET) 1.4-Dioxane					
Metolachlor OA	Metalaxyl Metolachlor ESA	Used as a fungicide Degradation product of Metolachlor	50 n/a ug/L 50 n/a ug/L	No ND ND ND 257	No ND ND ND 13	No ND ND 172
Chlorobenzene	Metolachlor OA	Degradation product of Metolachlor	50 n/a ug/L	No ND ND ND 253	No ND ND ND 13	
Chlorodifluoromethane Used as a refrigerant 5 n/a ug/L No ND 2.17 ND 556 No ND ND ND 23 No ND ND 0.351 1,3-Dichlorobenzene Used as a funigant and insecticide 5 n/a ug/L No ND ND ND 556 No ND ND ND ND 351 1,3-Dichlorobenzene Used as a funigant and insecticide 5 n/a ug/L No ND ND ND ND ND ND ND						
Cis-1,2-Dichloroethene From industrial chemical factories 5 n/a ug/L No ND 0.91 ND 556 No ND ND ND 23 No ND ND ND 351 No ND ND ND ND 351 No ND ND ND ND ND ND ND	Chlorodifluoromethane	Used as a refrigerant	5 n/a ug/L	No ND 2.17 ND 556	No ND ND ND 23	No ND ND ND 351
Dichlorodifluoromethane Refrigerant, aerosol propellant 5 n/a ug/L No ND 2.86 ND 556 No ND ND ND ND ND ND ND	Cis-1,2-Dichloroethene 1,3-Dichlorobenzene		5 n/a ug/L	No ND 0.91 ND 556	No ND ND ND 23	
1,2-Dichloropropane From industrial chemical factories 5 0 ug/L No ND ND ND ND ND ND ND	Dichlorodifluoromethane	Refrigerant, aerosol propellant	5 n/a ug/L	No ND 2.86 ND 556	No ND ND ND 23	No ND ND ND 351
Ethyl Benzene	1,1-Dichloroethene	From industrial chemical factories	5 n/a ug/L	No ND 1.42 ND 556	No ND ND ND 23	No ND 0.98 ND 351
Methyl-Tert-Butyl Ether Gasoline 10 n/a ug/L No ND 0.97 ND 556 No ND ND ND 23 No ND 0.75 ND 351	Ethyl Benzene	From paint on inside of water storage tank	5 n/a ug/L	No ND ND ND 556	No ND ND ND 23	No ND ND ND 351
o-Xylene	Methyl-Tert-Butyl Ether	Gasoline	10 n/a ug/L	No ND 2.79 ND 556 No ND 0.97 ND 556	No ND ND ND 23	No ND 0.75 ND 351
Tetrachloroethene Factories, dry cleaners, spills 5 0 ug/L No ND 6.42 ND 556 No ND ND ND 23 No ND 0.77 ND 351 Toluene From paint on inside of water storage tank 5 n/a ug/L No ND ND ND ND ND ND ND	o-Xylene	From paint on inside of water storage tank	5 n/a uğ/L	No ND 0.43 ND 556	No ND ND ND 23	No ND 0.25 ND 351
1,2,4-Trichlorobenzene Discharge from textile-finishing factories 5 n/a ug/L No ND	Tetrachloroethene	Factories, dry cleaners, spills	5 0 ug/L	No ND 6.42 ND 556	No ND ND ND 23	No ND 0.77 ND 351
Trichloroethene Metal degreasing sites, factories 5 0 ug/L No ND 1.09 ND 556 No ND ND ND 23 No ND 0.50 ND 351 Trichlorofluoromethane Dry cleaning propellant, fire extinguishers 5 n/a ug/L No ND ND ND ND 556 No ND ND ND 23 No ND 1.33 ND 351 1,2,3-Trichloropropane Degreasing agent, manufacturing 5 n/a ug/L No ND ND ND 556 No ND 0.34 ND 23 No ND 0.45 ND 351	1,2,4-Trichlorobenzene	Discharge from textile-finishing factories	5 n/a ug/L	No ND ND ND 556	No ND ND ND 23	No ND ND ND 351
Trichlorofluoromethane Dry cleaning,propellant,fire extinguishers 5 n/a ug/L No ND ND ND 556 No ND ND ND 23 No ND 1.33 ND 351 No. 351 NO ND	Trichloroethene	Metal degreasing sites, factories	5 0 ug/L	No ND 1.09 ND 556	No ND ND ND 23	No ND 0.50 ND 351
	Trichlorofluoromethane 1,2,3-Trichloropropane	Dry cleaning,propellant,fire extinguishers Degreasing agent, manufacturing	5 n/a ug/L	No ND ND ND 556	No ND 0.34 ND 23	No ND 0.45 ND 351
11/2- HATROGRAMMO SOLITOR SOLITOR PRINCE AND VALUE OF THE AUGUST OF THE	1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5 n/a ug/L	No ND 0.57 ND 556	No ND ND ND 23	No ND 0.67 ND 351

Naturally Occuring Cor	mpounds as well as Contaminants					Distrib	ution /	Area 2	3		Distrib	ution	Area 2	6		Distrib	ution /	rea 30)
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violatio	n Low		Avg.	No. of	Violatio	n Low	High		No. of	Violation	Low		Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	Value	Value	· Value	Tests	Yes/No	Value	Value	Value	Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/L	Naturally occurring	n/a	n/a	mg/L	No		104.2	49.6	109	No_		150.6		31	No		155.4	69.0	108
Aluminum Ammonia, free	Naturally occurring Some fertilizers, septic systems	n/a n/a	n/a n/a		No No	ND ND	0.09 ND	0.03 ND	127 63	No _No	ND ND	0.08 ND		29 15	No No	ND ND	0.21 ND	0.05 ND	148 72
Arsenic	Erosion of natural deposits Erosion of natural deposits	10	0	uğ/L mg/L	No	ND ND	ND 0.09	ND 0.03	127 127	No_	ND 0.02	ND 0.10	ND	29 29	No No	ND ND	ND 0.07	ND 0.03	148 148
Boron	Naturally occurring '	n/a	n/a	mg/L	No No	ND	ND	ND	215	_No_	ND	ND	ND	132	No	ND	ND	ND	179
Bromide Calcium	Naturally occurring Naturally occurring, pH control	n/a n/a	n/a n/a	ug/L mg/L	No No	ND 5.7	164.5 54.7	ND 24.3	129 215	No_	ND 7.8	124.5 61.8		33 132	No No	ND 8.7	380.5 64.8	84.0 32.4	118 179
Chloride Chromium, total	Naturally occurring, salt water intrusion, road salt	250			No	9.4 ND	79.3 0.9	37.3 ND	236 127	No_	23.5 ND	75.7 0.6	43.2	32 29	No No	13.0 ND	201.0	56.0 0.5	534 148
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No No	0.1	24.1	5.9	109	No No	0.6	11.0	4.0	31	No	0.3	30.3	7.9	108
Cobalt-59 Color, Apparent	Naturally occurring Naturally occurring metals or minerals	n/a 15	n/a n/a	ug/L Color Units	No No	_ND_ _ND	3.8 12	ND ND	127 109	No _No	ND ND	0.8 10	ND ND	29 31	No No	ND ND	ND 7	ND ND	148 108
Copper Fluoride	Household plumbing Erosion of natural deposits	AL=1.3	1.3 n/a		No	ND	0.07 ND	ND ND	127 236	No_	ND ND		ND ND	29 32	No No	ND ND	0.24 ND	ND ND	148 534
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No No	ND 21.2	166.2	80.4	215	No _No	36.1	199.9	83.3	132	No	33.2	225.6	111.9	179
Hexavalent Chromium Iron	Erosion of natural deposits Naturally occurring	n/a 300	n/a n/a	ug/L ug/L	No Yes	_ND _ND	0.69 815	0.31 123	109 215	No_ _Yes_	ND ND	0.68 698		29 132	No No	ND ND	1.69 136	0.32 37	108 179
Lithium Magnesium	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	ug/L	No	ND 1.54	5.4 9.86	1.2 4.78	127 215	No_ No_	ND	2.2 11.11	1.1	29 132	No No	ND	2.8 16.67	ND 7.56	148 179
Manganese	Naturally occurring	300	n/a	ug/L	No No	ND	186	31	215	No_	ND	114	16	132	No	ND	218	30	179
Nickel Nitrate	Alloys, coatings manufacturing, batteries Natural deposits, fertilizer, septic tanks	100	n/a 10	ug/L mg/L	No No	_ND _ND	2.3 9.31	ND 3.69	127 235	No _No	ND 0.14	1.7 4.08		29 32	No No	ND 0.68	1.9 8.25	ND 4.77	148 530
Nitrite Perchlorate	Natural deposits, fertilizer, septic tanks Fertilizers, solid fuel propellant, fireworks	15	1 5	mg/L ug/L	No	ND	ND	ND	236	No_	ND	ND 0.35	ND	32 37	No No	ND ND	ND 2.85	ND 1.54	534 190
pH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No No	_ND _6.6	0.60 8.8	ND 7.4	132 166	No _No	ND 7.1	8.1	7.6	44	No	6.6	8.8	7.4	237
pH, field Phosphate, total	Measure of water acidity or alkalinity Added to keep iron in solution	n/a n/a	n/a n/a	pH Units mg/L	No No	_6.6 _ND	8.5 2.63	7.4 0.48	1226 215	No _No	6.9 ND	8.5 3.27	7.6 1.31	248 132	No No	6.9 ND	8.8 2.87	7.5 0.41	858 179
Potassium	Naturally occurring	n/a	n/a	mg/L	No	0.45	3.79	1.41	215	No_	1.07	2.24	1.69	132	No	0.59	5.41	2.43	179
Silicon Sodium	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	mg/L	No No	5.2 7.2	11.4 51.6	7.7 18.8	127 215	No _No	7.7 16.4	11.2 40.0	27.2	29 132	No No	4.2 8.4	8.8 90.2	6.5 37.9	148 179
Specific Conductance Strontium-88	Total of naturally occurring minerals Naturally occurring	n/a n/a	n/a n/a	umho/cm mg/L	No No	_91 0.023	481 0.136	238	109 127	No _No	97 0.044	439 0.126		31 29	No No	128 0.041	830 0.213	406 0.109	108 148
Sulfate	Naturally occurring	250	n/a	mg/L	No	3.8	67.9	21.7	236	No_	8.5	23.7	12.3	32	No	5.6	72.3	35.3	534
Titanium Total Organic Carbon (TOC)	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	ug/L mg/L	No No	_ND _ND	6.1 0.6	ND ND	215 10	<u>No</u> No	ND ND		ND ND	132 6	No No	ND ND	10.6 0.7	ND 0.6	179 6
Turbidity Uranium	Silts and clays in aquifer Naturally occurring	n/a	n/a n/a	NŤU ug/L	No No	ND ND	2.19 ND	0.53 ND	109 127	No_ No_	ND ND	5.63	1.37 ND	30 29	No No	ND ND	2.22 ND	0.60 ND	108 148
Vanadium Zinc	Naturally occurring	n/a 5	n/a	uā/L	No	ND	6.3	ND	127	No_	ND	ND	ND	29	No	ND ND	1.4	ND ND	148 148
ZINC	Naturally occurring, plumbing	3	n/a	mg/L	_No	_ND	ND	ND	127	_No_	ND	0.08	ND	29	_No	ND	0.04	ND	140
Synthetic Orga	nic Compounds including	Pos	etici	doe a	nd H	lorbi	cide	S (1)			WO - 1					D			
Synthetic Orga	The Compounds including	r G	Stici	ues a	IIU II	iei bi	Ciue	> (At	igust 2	6, 2020	NYS ad	opts a	n MCL	of 1 pp	b for 1,4	Dioxar	ne, see	page 3	4)
Alachlor ESA	Degradation product of Alachlor	50	n/a	ug/L	No	ND	ND	ND	134	No_	ND	ND	ND	31	No	ND	1.72	ND	142
Alachlor OA	Degradation product of Alachlor	50	n/a	uğ/L	No	ND	ND	ND	134	No_	ND	ND	ND	31	No	ND	1.12	ND	142
Aldicarb Sulfone Aldicarb Sulfoxide	Pesticide used on row crops Pesticide used on row crops	4	1	ug/L ug/L	No No	ND ND	ND ND	ND ND	135 135	No_ No_	ND ND		ND ND	31 31	No No	ND ND	0.61 0.53	ND ND	199 199
Chlordane, Total Diethyltoluamide (DEET)	Residue of banned termiticide	50			No No	_ND _ND	ND ND	ND ND	123 125	No _No	ND ND	ND ND	ND ND	31 30	No No	ND ND	ND ND	ND ND	121 134
1.4-Dioxane	Used in manufacturing processes	*1	n/a	ug/L	No	ND	0.24	ND	144	No_	ND	0.82	0.08	41	No	ND	0.10	ND	136
Metalaxyl Metolachlor ESA	Used as a fungicide Degradation product of Metolachlor	50 50	n/a		No No	ND ND	ND 1.14	ND ND	125 134	No _No	ND ND		ND	30 31	No No	ND ND	0.53 2.72	ND ND	134 142
Metolachlor OA [etrachloroterephthalic Acid	Degradation product of Metolachlor	50 50	n/a n/a		No No	_ND _ND	ND 1.47	ND ND	134 127	No _No	ND ND	ND ND	ND ND	31 32	No No	ND ND	3.09 8.61	ND 1.58	142 179
					- 10														
Volatile Organi	c Compounds																		
										_									
Chlorobenzene Chlorodifluoromethane	From industrial chemical factories Used as a refrigerant	5	n/a n/a		No No	ND ND	ND 5.11	ND 0.28	210 210	No _No	ND ND	ND 0.97		55 55	No No	ND ND	ND ND	ND ND	184 184
Cis-1,2-Dichloroethene	From industrial chemical factories	5	n/a	ug/L	No	ND	ND	ND	210	No_	ND	ND	ND	55	No	ND	ND	ND	184
1,3-Dichlorobenzene Dichlorodifluoromethane	Used as a fumigant and insecticide Refrigerant, aerosol propellant	5 5	n/a n/a		No No	ND ND	ND ND	ND ND	210 210	No _No	ND ND	ND 0.51	ND ND	55 55	No No	ND ND	ND ND	ND ND	184 184
1,1-Dichloroethane 1,1-Dichloroethene	Degreaser, gasoline, manufacturing From industrial chemical factories	5 5	n/a n/a		No No	ND ND	ND ND	ND ND	210	No _No	ND ND		ND ND	55 55	No No	ND ND	ND ND	ND ND	184 184
1,2-Dichloropropane	From industrial chemical factories	5	0	ug/L	No	ND	ND	ND	210 210	No_	ND	ND	ND	55	No	ND	0.36	ND	184
Ethyl Benzene 4-Methyl-2-Pentanone	From paint on inside of water storage tank From manufacturing facilities	50	n/a n/a		No No	ND ND	ND ND	ND ND	210 210	No _No	ND ND	0.29 ND	ND	55 55	No No	ND ND	ND ND	ND ND	184 184
Methyl-Tert-Butyl Ether o-Xylene	Gasoline From paint on inside of water storage tank	10	n/a n/a	ug/L	No	ND	0.29	ND ND	210	No_	ND ND	0.27 ND	ND	55 55	No No	ND ND	0.27 ND	ND ND	184 184
o,m-Xylene	From paint on inside of water storage tank	5	n/a	ug/L	No No	ND ND	ND	ND	210 210 210	_No_ _No_	ND	ND	ND	55	No	ND	ND	ND	184
Tetrachloroethene Toluene	Factories, dry cleaners, spills From paint on inside of water storage tank	5	n/a		No No	ND ND	ND ND	ND ND	210 210	No _No	ND ND	0.56 ND	ND ND	55 55	No No	ND ND	ND ND	ND ND	184 184
1,2,4-Trichlorobenzene	Discharge from textile-finishing factories		n/a	ug/L	No	ND	ND	ND	210	No_	ND	ND	ND	55	No	ND	ND	ND	184
1,1,1-Trichloroethane Trichloroethene	Metal degreasing sites, factories Metal degreasing sites, factories	5	n/a	ug/L	No No	ND ND	ND ND	ND ND	210 210	No No	ND ND	ND ND	ND	55 55	No No	ND ND	ND ND	ND ND	184 184
Trichlorofluoromethane 1,2,3-Trichloropropane	Dry cleaning,propellant,fire extinguishers Degreasing agent, manufacturing	5 5	n/a n/a		No No	ND ND	ND 0.29	ND ND	210 210	No _No	ND ND		ND ND	55 55	No No	ND ND	ND ND	ND ND	184 184
1,1,2-Trichlorotrifluoroethane	Solvent in paints and varnishes	5	n/a			ND	ND	ND	210	No_	ND	ND		55	No	ND	ND	ND	184

Ostostod Compound	Likely Source	MCI Jug	C Hait of	_	ngo of Doorlings		P	o of D	alina-		Dange of Day 1
Detected Compound	Likely Source	MCL MC	_G Unit of Measure	Violation Low	<u>nge of Readings</u> · High Avg. No. of e Value Value Tests		n Low	<u>je of Rea</u> High <i>I</i> Value V	Avg. No. o		Range of Readin ion Low High Avg. No Value Value Value
la cuerat				value	Tanas Tanas 18515	. 55/140	ruiuc	Talue V	165		value value
Inorganics											
kalinity to pH 4.5 mg CaCO3/	L Naturally occurring Naturally occurring		/a mg/L /a mg/L	No 29.6	72.4 46.4 6 0.08 0.06 6	No No			13.0 6 ND 6		62.4 101.6 85.3 ND ND ND
mmonia, free	Some fértilizers, septic systems	n/a n	/a mg/L	No ND	ND ND 3	No_	ND	ND	ND 3	No	ND ND ND
rsenic arium	Erosion of natural deposits Erosion of natural deposits		0 ug/L 2 mg/L	No ND ND ND	ND ND 6 0.02 ND 6	No_			ND 6 ND 6		ND ND ND
oron	Naturally occurring '	n/a n	/a mg/L	No ND	ND ND 6	No_	ND	ND	ND 6	No	ND ND ND
romide alcium	Naturally occurring Naturally occurring, pH control		/a ug/L /a mg/L	No ND 8.9	ND ND 6 21.7 16.2 6	No_			ND 6 4.7 6		ND 143.1 65.4 25.1 31.2 27.6
hloride	Naturally occurring, salt water intrusion, road sal	t 250 r	n/a mg/L	No 25.8	106.9 61.2 6	No_	12.1	15.5 1	3.7 6	No	ND 67.6 21.2
hromium, total O2, calculated	Natural deposits Naturally occurring		00 ug/L /a mg/L	No 0.6 No 1.9	1.6 0.8 6 17.0 5.5 6	No_			ND 6 5.3 6		ND ND ND 6.1 12.6 9.5
obalt-59	Naturally occurring	n/a n	/a ug/L	No 1.9 No ND	ND ND 6	No_	ND	ND	ND 6	No	ND ND ND
olor, Apparent opper	Naturally occurring metals or minerals Household plumbing		/a Color Units	No ND	5 ND 6 ND ND 6	No_			ND 6 ND 6		ND ND ND ND 0.14 0.09
uoride	Erosion of natural deposits		/a mg/L	No ND	ND ND 6	No_			ND 6	No	ND ND ND
ardness, total exavalent Chromium	Measure of the calcium and magnesium Erosion of natural deposits		/a mg/L	No 31.2	64.0 50.4 6	No_			51.0 6		95.5 132.6 111.1 ND 0.55 0.13
on Exavalent Chromium	Naturally occurring '		/a ug/L /a ug/L	No 0.35 No ND	1.28 0.69 6 68 40 6	No_ No_).39 <u>6</u> ND 6		ND ND ND
thium	Naturallý occurring	n/a n	/a uğ/L	No ND	ND ND 6	No_	ND	1.1	ND 6	No_	ND ND ND
agnesium anganese	Naturally occurring Naturally occurring		/a mg/L /a ug/L	No 2.16 No ND	2.62 2.41 6 ND ND 6	No_ No_			3.49 <u>6</u> ND 6		7.82
ickel	Alloys, coatings manufacturing, batteries	100 n	/a uğ/L	No ND	ND ND 6	No_	ND	ND	ND 6	No_	ND 0.6 ND
itrate itrite	Natural deposits, fertilizer, septic tanks Natural deposits, fertilizer, septic tanks		0 mg/L 1 mg/L	No 0.34 No ND	0.95 0.60 6 ND ND 6	No_ No_).61 6 ND 6		ND 6.73 4.03 ND 0.067 ND
erchlorate	Fertilizers, solid fuel propellant, fireworks	15	5 ug/L	No ND	0.32 ND 8	No_	ND (0.36	ND 8	No_	ND 1.43 0.33
-l -l, field	Measure of water acidity or alkalinity Measure of water acidity or alkalinity		/a pH Units /a pH Units	No 6.9 No 7.0	7.6 7.3 8 8.0 7.5 63	No_			7.3 7 7.4 107	No No	7.0
hosphate, total	Added to keep iron in solution		/a mg/L	No ND	ND ND 6	No_			ND 6		ND ND ND
otassium	Naturally occurring		/a mg/L	No 0.58	0.89 0.71 6	No_			0.75 6		1.22 1.56 1.41
ilicon odium	Naturally occurring Naturally occurring		/a mg/L /a mg/L	No 4.0 No 11.7	5.6 4.7 6 63.1 37.5 6	No_ No_			6.8 6 9.5 6		7.8
pecific Conductance	Total of naturally occurring minerals	n/a r	/a umho/cm	No _239	441 314 6	No_	144	176 <i>′</i>	158 6	No	367 549 431
rontium-88 ulfate	Naturally occurring Naturally occurring		/a mg/L /a mg/L	No 0.044 No 5.1	0.064 0.057 6 7.6 6.5 6	No_ No_	0.036 0 8.0		.046 6 11.0 6	No No	0.094 0.150 0.121 ND 76.1 34.5
tanium	Naturally occurring	n/a n	/a ug/L	No ND	ND ND 6	No_	ND	ND	<u>ND 6</u>	No_	ND ND ND
otal Organic Carbon (TOC urbidity	Silts and clays in aquifer		/a mg/L /a NTU	No ND ND ND	ND ND 2 1.22 0.80 6	No_ No_			ND 2 ND 6		ND 0.5 ND ND 0.74 ND
ranium	Naturally occurring		/a ug/L	No ND	ND ND 6	No_			ND 6		ND ND ND
anadium inc	Naturally occurring plumbing		/a ug/L	No ND	ND ND 6	No_	ND	3.1	ND 6		ND ND ND
Synthetic Orga	naturally occurring, plumbing		cides a	No_ND	ND ND 6	_No_			ND 6		ND 0.04 0.02 ,4 Dioxane, see page
lachlor ESA lachlor OA ldicarb Sulfone ldicarb Sulfoxide hlordane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide	50 r 50 r 2 4 2 r 50 r 50 r	cides a //a ug/L //a ug/L 1 ug/L 1 ug/L //a ug/L //a ug/L //a ug/L //a ug/L			_No_	ND N	ND 1	ND 6 ND 6 ND 6 ND 6 ND 6 ND 6 ND 6 ND 6	No N	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfoxide nlordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor	50 r	cides a //a ug/L //a ug/L 1 ug/L 1 ug/L //a ug/L //a ug/L //a ug/L //a ug/L	No ND	ND ND 6	No N	NVS ado	ND 1 ND 1 ND 1 ND 1 ND 1 ND 1 ND 1	ND 6	No	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone ldicarb Sulfoxide nlordane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide	50 r 50 r 2 r 4 r 50	cides a //a ug/L //a ug/L 1 ug/L 1 ug/L //a ug/L //a ug/L //a ug/L //a ug/L	No ND	ND ND 6	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND 1 ND 1 ND 1 ND 1 ND 1 ND 1 ND 1 ND 1	ND 6 ND 6 ND 6 ND 6 ND 6 ND 6 ND 6 ND 6	No N	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfoxide nlordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA rachloroterephthalic Aci	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor	50 r 50 r 2 r 4 r 50	cides a ug/L 1 ug/L 1 ug/L 1 ug/L 2 ug/L 3 ug/L 4 ug/L 4 ug/L 4 ug/L 4 ug/L	No ND	ND ND 6	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND 1 ND 1 ND 1 ND 1 ND 1 ND 1 ND 1	ND 6	No N	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfoxide llordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA rachloroterephthalic Aci	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide	50 r	cides a y/a ug/L y/a ug/L 1 ug/L y/a ug/L y/a ug/L y/a ug/L y/a ug/L y/a ug/L y/a ug/L	No ND ND NO ND	ND ND 6	No	NPS addo	ND 1	ND 6	No No No No No No No No No No No	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfoxide nlordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci	Degradation product of Alachlor Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant	50 r 50 r 2 r 4 2 r 50 r	cides a ug/L //a ug/L 1 ug/L //a ug/L	No ND ND NO ND	ND ND 6 ND ND 9 ND ND 9 ND ND 9	No	NYS ado ND ND ND ND ND ND ND ND ND N	ND I	MCL of 1 p ND 6 ND 6	No No No No No No No No No No No No No N	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfoxide allordane, Total etryltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA rachloroterephthalic Aci /olatile Organi lorobenzene allorodifluoromethane s-1,2-Dichloroethene 3-Dichlorobenzene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fumicant and insecticide	50 r	cides a //a ug/L	No ND ND NO ND	ND ND 6 ND ND 9 ND ND 9 ND ND 9	No	NYS ado ND ND ND ND ND ND ND ND ND N	ND 1	ND 6	No N	,4 Dioxane, see page ND
Jachlor ESA achlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfoxide lordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA rachloroterephthalic Aci folatile Organ lorobenzene nlorodifluoromethane s-1,2-Dichloroethene a-Dioxane	Degradation product of Alachlor Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant	50 r 50 r 2 r 50 r 50 r 50 r 50 r 50 r 5	cides a //a ug/L	No ND	ND ND 6	No N	NYS ado ND ND ND ND ND ND ND ND ND N	ND I	MCL of 1 p ND 6 ND	No N	ND N
achlor ESA achlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfoxide alordane, Total ethyltoluamide (DEET 4-Dioxane stalaxyl etolachlor ESA etolachlor OA rachloroterephthalic Aci // olatile Organi lorobenzene allorodifluoromethane s-1,2-Dichloroethene 3-Dichlorobenzene chlorodifluoromethane 1-Dichloroethene 1-Dichloroethene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungingant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories	50 r 55 r 5	cides a //a ug/L	No ND ND NO ND ND NO ND	ND ND 6	No	NYS addo ND ND ND ND ND ND ND ND ND N	ND 1	ND 6	No N	,4 Dioxane, see page ND
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfoxide nlordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organ llorobenzene nlorodifluoromethane s-1,2-Dichloroethene chlorodifluoromethane 1-Dichloroethane 1-Dichloroethane 1-Dichloroethene 2-Dichloroethene 2-Dichloropropane	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungignt and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories	50 r 50 r 2 r 50 r 50 r 50 r 50 r 50 r 5	cides a //a ug/L	No ND ND NO ND ND NO ND	ND ND 6 ND ND 9	No N	NPS addo ND	ND I	MCL of 1 ; ND 6 ND	No N	ND N
lachlor ESA achlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfoxide nlordane, Total ethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organi llorobenzene nlorodifluoromethane s-1,2-Dichloroethene 3-Dichlorobenzene chlorodifluoromethane 1-Dichloroethane 1-Dichloroethene 2-Dichloropropane hyl Benzene Methyl-2-Pentanone	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungingant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank From manufacturing facilities	50 r 50 r 50 r 50 r 50 r 55 r 55 r 55 r	cicles a //a ug/L	No ND ND NO ND ND NO ND ND NO ND	ND ND 6 ND ND 9	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND I	ND 6	No N	A Dioxane, see page
lachlor ESA lachlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfoxide hlordane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organ llorobenzene hlorodifluoromethane is-1,2-Dichloroethene 2-Dichloroethene 1-Dichloroethene 2-Dichloropenane thyl Benzene Methyl-2-Pentanone ethyl-Tert-Butyl Ether	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a refrigerant From industrial chemical factories From industrial chemical factories From industrial chemical factories From industrial chemical factories From paint on inside of water storage tank From manufacturing facilities Gasoline	50 r 2 4 4 2 r 50 r	cides a //a ug/L	No	ND ND 6 ND ND 9	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND IND IND IND IND IND IND IND IND IND I	ND 6	No N	A Dioxane, see page
lachlor ESA lachlor OA ldicarb Sulfone ldicarb Sulfone ldicarb Sulfone ldicarb Sulfone ldicarb Sulfoxide hlordane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organi llorobenzene hlorodifluoromethane 3-Dichlorobenzene ichlorodifluoromethane 1-Dichloroethene 2-Dichloroethene 2-Dichloroperopane thyl Benzene lethyl-2-Pentanone lethyl-Tert-Butyl Ether Xylene m-Xylene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungingant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank From manufacturing facilities	50 r	cides a //a ug/L	No	ND ND 6 ND ND 9	No	NPS addo	ND 1	ND 6	No	A Dioxane, see page
lachlor ESA lachlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfoxide hidrodane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organ llorobenzene hlorodifluoromethane 3-Dichlorobenzene ichlorodifluoromethane 1-Dichloroethene 2-Dichloroethene 2-Dichloropenane thyl Benzene Methyl-2-Pentanone ethyl-1ert-Butyl Ether Xylene m-Xylene m-Xylene etrachloroethene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a refrigerant From industrial chemical factories From industrial chemical factories From industrial chemical factories From industrial chemical factories From paint on inside of water storage tant	50 r	cicles a //a ug/L	No ND ND NO ND ND NO ND	ND ND 6 ND ND 9	No N	NPS addo ND ND ND ND ND ND ND ND ND N	ND 1 ND 1 ND 1 ND 1 ND 1 ND 1 ND	ND 6	No N	A Dioxane, see page
lachlor ESA lachlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfoxide hlordane, Total lethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organ allorobenzene hlorodifluoromethane is-1,2-Dichloroethene 3-Dichlorobenzene ichlorodifluoromethan 1-Dichloroethene 1-Dichloroethene 2-Dichloroethene 2-Dichloroethene 2-Dichloroethene 4-Dichloroethene 2-Dichloroethene bluene m-Xylene etrachloroethene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank	50 r	cides a // // // // // // // // // // // // //	No	ND ND 6 ND ND 9	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND 1	ND 6	NoNoNoNoNoNoNoNo.	ND
lachlor ESA lachlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfoxide hidrodane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organi allorobenzene hlorodifluoromethane 3-Dichlorobenzene ichlorodifluoromethane 1-Dichloroethene 2-Dichloroethene 2-Dichloropenzene ichloroterephtyl-2-Pentanone ethyl-1-Tert-Butyl Ether Xylene m-Xylene trachloroethene sluene 2,4-Trichlorobenzene 1,1-Trichlorobenzene 1,1-Trichlorobenzene 1,1-Trichlorobenzene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor dused as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From industrial chemical factories From industrial chemical factories From industrial chemical factories From paint on inside of water storage tank	50 r	cicles a //a ug/L	No ND ND NO ND ND NO ND ND NO ND	ND ND 6 ND ND 9	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND 1 ND 1 ND 1 ND 1 ND 1 ND 1 ND	ND 6	No N	A Dioxane, see page
lachlor ESA lachlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfone dicarb Sulfoxide hlordane, Total lethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organ lorobenzene hlorodifluoromethane is-1,2-Dichloroethene 3-Dichloroethene 1-Dichloroethene 1-Dichloroethene 1-Dichloroethene 2-Dichloroethene 2-Dichloroethene 2-Dichloroethene bluene m-Xylene etrachloroethene 2,4-Trichlorobenzene 1,1-Trichlorobenzene 1,1-Trichloroethane ichloroethene	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank	50 r	cides a // // // // // // // // // // // // //	No	ND ND 6 ND ND 9	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND I	ND 6	NoNoNoNoNoNoNoNo.	ND
lachlor ESA lachlor OA dicarb Sulfone dicarb Sulfone dicarb Sulfoxide hidrodane, Total iethyltoluamide (DEET 4-Dioxane etalaxyl etolachlor ESA etolachlor OA trachloroterephthalic Aci /olatile Organ llorobenzene hlorodifluoromethane 3-Dichlorobenzene ichlorodifluoromethane 1-Dichloroethene 2-Dichloroethene 2-Dichloroethene ethyl-2-Pentanone ethyl-1-ert-Butyl Ether Xylene m-Xylene m-Xylene strachloroethene sluene 2,4-Trichlorobenzene ichloroethene ichloroethene ichlorotethene ichlorotethene ichlorotethene ichlorotethene ichlorotethene ichlorotethene ichlorotethene ichlorofluoromethane 2,3-Trichloromethane	Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor dused as a herbicide From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From industrial chemical factories From industrial chemical factories From industrial chemical factories From paint on inside of water storage tank	50 r	cicles a //a ug/L	No ND ND NO ND ND NO ND ND NO ND	ND ND 6 ND ND 9	No	NPS addo ND ND ND ND ND ND ND ND ND N	ND 1 ND 1 ND 1 ND 1 ND 1 ND	ND 6	No N	A Dioxane, see page

Naturally Occurring Co.	mpounds as well as Contaminants					Distribution Area 44 Distribution Area 53						3	Distribution			ution Area 54			
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violatio	n Low	ge of Re	Avg.	No. of	Violatio	on Low	High		No. of		Low	ge of R High	Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/N	o Value	e Valu	e Value	Tests	Yes/No	Value	Value	Value	Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/l	Naturally occurring	n/a	n/a	mg/L	No	35.4	48.0	41.4	6		ND	48.6		19	No	23.2	38.8		29
Aluminum Ammonia, free	Naturally occurring Some fertilizers, septic systems	n/a n/a	n/a n/a	mg/L mg/L	No	ND ND	ND ND	ND ND	<u>6</u> 3	No_ _No_	0.03 ND	0.88	0.31 ND	31 10	No No	0.03 ND	0.63 ND	0.27 ND	44 18
Arsenic	Erosion of natural deposits	10	0	ug/L	No No	ND	ND	ND	6	No -	ND	ND	ND	31	No	ND	ND	ND	44
Barium Boron	Erosion of natural deposits	n/a	n/a	mg/L	No	ND_	ND	ND	6	No_	ND	ND 0.10	ND	31	No	ND ND	ND 0.13	ND ND	44 77
Bromide	Naturally occurring Naturally occurring	n/a	n/a	mg/L ug/L	No No	ND ND	ND ND	ND ND	6 6	No_ _No_	ND ND	0.10 ND	ND	72 28	No No	ND	ND	ND	47
Calcium	Naturally occurring, pH control	n/a t 250	n/a	mg/L	No	12.0	22.2	16.1	6	_No_	ND	1.0	0.5	72	No	ND 3.9	1.2 9.3	ND 5.0	77 30
Chloride Chromium, total	Naturally occurring,salt water intrusion,road sal Natural deposits	100	n/a 100	mg/L ug/L	No No	14.0 ND	25.4 0.6	18.3 ND	<u>6</u> 6	No_ _No_	4.1 ND	5.5 1.1	4.7 ND	20 31	No No	ND	1.0	ND	44
CO2, calculated	Naturally occurring	n/a	n/a	mg/L	No	1.3	16.2	7.0	6	No_	1.2		7.0	19	No	1.0	14.1	5.0	29
Cobalt-59 Color, Apparent	Naturally occurring Naturally occurring metals or minerals	n/a 15	n/a n/a	ug/L Color Units	No No	ND ND	<u>ND</u> 5	ND ND	6 6	No_ Yes_	ND ND	20	<u>ND</u> 8	31 19	No No	ND ND	ND 12	ND 6	44 29
Copper	Household plumbing		3 1.3	mg/L	No	ND	ND	ND	6	No_	ND	0.05		31	No	ND	0.04	ND	44
Fluoride Hardness. total	Erosion of natural deposits Measure of the calcium and magnesium	2.2 n/a	n/a n/a	mg/L mg/L	No No	ND 43.8	<u>ND</u> 74.7	ND 55.4	<u>6</u> 6	No_ _No_	ND ND		ND ND	20 72	No No	ND ND	0.2 3.3	ND ND	30 77
Hexavalent Chromium	Erosion of natural deposits	n/a	n/a	ug/L	No	0.18	0.50	0.33	6	_No_	ND	0.30	0.11	20	No	ND	0.50		30
Iron Lithium	Naturally occurring Naturally occurring	300 n/a	n/a n/a	ug/L ug/L	No No	ND ND	113 2.1	34_ ND	<u>6</u> 6	_Yes_ No_	172 4.6		348 6.5	72 31	Yes_ No	55 2.5	657 6.5	238 4.1	77 44
Magnesium	Naturally occurring	n/a	n/a	mg/L	No	3.33	4.68	3.70	6	No_	ND	0.49	ND	72	No	ND	0.22	ND	77
Manganese Nickel	Naturally occurring Alloys, coatings manufacturing, batteries	300	n/a n/a	ug/L ug/L	No No	ND ND	25 ND	ND ND	6 6	No_ _No_	ND ND	12 5.8	ND 0.7	72 31	No No	ND ND	ND 6.4	ND 0.6	77 44
Nitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.33	1.52	0.86	6	No_	ND	0.02	ND	20	No	ND	0.02	ND	30
Nitrite Perchlorate	Natural deposits, fertilizer, septic tanks Fertilizers, solid fuel propellant, fireworks	15	1 5	mg/L ug/L	No No	ND ND	ND ND	ND ND	<u>6</u> 8	No_ _No_	ND ND	ND ND	ND ND	20 28	No No	ND ND	ND ND	ND ND	30 40
pH	Measure of water acidity or alkalinity	n/a		pH Units	No	6.7	7.9	7.2	6	No_	6.6	7.9	7.1	19	No	6.6	7.8	7.2	31
pH, field Phosphate, total	Measure of water acidity or alkalinity Added to keep iron in solution	n/a n/a	n/a n/a	pH Units mg/L	No	7.0	8.2	7.4	56	No_	6.4 ND	8.0	7.2 1.05	72 72	No No	7.0 ND	8.0 2.71	7.3 0.34	138 77
Potassium	Naturally occurring	n/a	n/a	mg/L	No No	ND 0.74	ND 1.43	ND 0.90	6 6	No_ No_	1.62		2.95	72	No	0.94	3.61		77
Silicon	Naturally occurring	n/a		mg/L	No	6.3	10.0	7.2	6	No.	4.3		4.9	31	No	4.4	5.7	5.0	44
Sodium Specific Conductance	Naturally occurring Total of naturally occurring minerals	n/a n/a	n/a n/a	mg/L umho/cm	No No	9.6 153	14.0 218	11.4 183	<u>6</u> 6	No_ No_	8.8 61		18.9 100	72 19	No No	10.8 72	22.5 116	16.6 86	77 29
Strontium-88	Naturally occurring	n/a	n/a	mg/L	No	0.042	0.079	0.054	. 6	No_	ND	ND	ND	31	_No	ND	ND	ND	44
Sulfate Titanium	Naturally occurring Naturally occurring	250 n/a	n/a n/a	mg/L ug/L	No No	10.2 ND	32.4 ND	_14.8 ND	6 6	No_ No_	4.1 ND	5.2 49.0	4.7 14.8	20 72	No No	3.7 ND	5.6 36.0	4.2	30 77
Total Organic Carbon (TOC	Naturallý occurring	n/a	n/a	mg/L	No	0.5	0.5	0.5	2	No.	0.5	1.0	0.7	8	No	0.7	1.3	0.9	10
	Silte and clave in aquitor							NID	6	NIa			2 06	19	NI ₀	ND		1.30	29
	Silts and clays in aquifer	n/a	n/a	NŤU ug/l	No_	ND ND	0.56	ND		No_	ND	4.87			No No				
Turbidity Uranium Vanadium	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	ug/L ug/L	No No No	ND ND	ND 4.4	ND 1.1	6 6	No_ No_	ND ND	ND ND	ND ND	31 31	No No	ND ND	ND ND	ND ND	44 44
Uranium	Naturally occurring	n/a	n/a n/a	ug/L	No	ND	ND	ND	6	_No_	ND	ND	ND ND	31	No	ND	ND	ND ND	44
Uranium Vanadium Zinc	Naturally occurring Naturally occurring Naturally occurring, plumbing	n/a n/a 5	n/a n/a n/a	ug/L ug/L mg/L	No No No	ND ND ND	ND 4.4 ND	ND 1.1 ND	6 6 6	No No No No	ND ND ND	ND ND 0.04	ND ND ND	31 31 31	No No No	ND ND ND	ND ND 0.02	ND ND ND	44 44 44
Uranium Vanadium Zinc	Naturally occurring Naturally occurring	n/a n/a 5	n/a n/a n/a	ug/L ug/L mg/L	No No No	ND ND ND	ND 4.4 ND	ND 1.1 ND	6 6 6	No No No No	ND ND ND	ND ND 0.04	ND ND ND	31 31 31	No No No	ND ND ND	ND ND 0.02	ND ND ND	44 44 44
Uranium Vanadium Zinc	Naturally occurring Naturally occurring, plumbing Naturally occurring, plumbing	n/a n/a 5	n/a n/a n/a	ug/L ug/L mg/L des a	No No No	ND ND ND	ND 4.4 ND	ND 1.1 ND	6 6 6 gust 2	No _ No _ No _	ND ND ND	ND ND 0.04	ND ND ND	31 31 31	No No No	ND ND ND	ND ND 0.02	ND ND ND	44 44 44
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA	Naturally occurring Naturally occurring Naturally occurring, plumbing Anic Compounds including Degradation product of Alachlor Degradation product of Alachlor	n/a n/a 5 Pes 50 50	n/a n/a n/a	ug/L ug/L mg/L des a	No No No No	ND ND ND erbic	ND 4.4 ND cide:	ND 1.1 ND S (Au	6 6 6 gust 2		ND ND ND NYS ac	ND ND 0.04 dopts :	ND ND ND an MCL	31 31 31 of 1 pp	No No No No No No No	ND ND ND Dioxar	ND ND 0.02	ND ND ND page :	34) 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone	Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops	n/a n/a 5	n/a n/a n/a	ug/L ug/L mg/L des a	No No No No No No	ND ND ND erbic	ND 4.4 ND Cide:	ND 1.1 ND S (Au	6 6 6 6 6 6	No N	ND ND ND NYS ac	ND ND 0.04 dopts :	ND ND ND ND ND ND ND	31 31 31 of 1 pp	No No No No No No No No	ND ND ND Dioxar	ND ND 0.02	ND ND ND page :	34) 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Chlordane, Total	Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide	50 50 2 4	n/a n/a n/a n/a	ug/L ug/L mg/L des a ug/L ug/L ug/L ug/L	No No No No No No No No	ND ND ND ND ND ND ND ND ND	ND 4.4 ND Cide:	ND 1.1 ND S (Au	6 6 6 6 6 6 6 6	No N	ND ND ND NYS ac	ND ND 0.04	ND ND ND ND ND ND ND ND ND	31 31 31 of 1 pp 20 20 20 20 20	No No No No No No No No	ND ND ND Dioxar	ND ND 0.02	ND ND ND Page 3	34) 330 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET)	Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent	n/a n/a 5 Pes 50 50 2 4	n/a n/a n/a n/a n/a 1 1 1 n/a n/a	ug/L ug/L mg/L des a ug/L ug/L ug/L ug/L ug/L	No No No No No No No No No	ND ND ND ND ND ND ND ND ND ND ND	ND 4.4 ND Cides	ND 1.1 ND S (Au ND ND ND ND ND	6 6 6 6 6 6 6 6	No.	ND ND ND NYS ac	ND ND 0.04 dopts :	ND ND ND ND ND ND ND ND ND ND	31 31 31 of 1 pp 20 20 20 20 20 20 20	No No No No No No No No No No	ND ND ND Dioxar	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND	34) 330 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide	50 50 50 2 4 2 2 50 150	n/a n/a n/a n/a n/a 1 1 1 n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND Cide:	ND 1.1 ND S (Au ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6	No.	ND ND ND NYS ac	ND ND 0.04 dopts a ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND	31 31 31 0f 1 pp 20 20 20 20 20 20 20 20	No No No No No No No No No No No No	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA	Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor	50 50 50 2 4 2 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a n/a 1 1 1 n/a n/a n/a n/a	ug/L ug/L mg/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L u	No No No No No No No No No No No No No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND Cide:	ND 1.1.1 ND S (Au ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6	No.	ND ND ND ND ND ND ND ND ND ND ND	ND ND 0.04 dopts :	ND ND ND ND ND ND ND ND ND ND ND ND ND	31 31 31 0f 1 pp 20 20 20 20 20 20 20 20 20	No No No No No No No No No No No No No N	ND ND ND Dioxar	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA	Naturally occurring Natura	50 50 50 2 4 2 2 50 150	n/a n/a n/a n/a n/a 1 1 1 n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND Cide:	ND 1.1 ND S (Au ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6	No.	ND ND ND NYS ac	ND ND 0.04	ND ND ND ND ND ND ND ND ND ND ND ND	31 31 31 0f 1 pp 20 20 20 20 20 20 20 20	No No No No No No No No No No No No	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor I Used as a herbicide	50 50 50 50 2 4 4 2 50 *1 50 50	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.1 ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND ND 0.04	ND ND ND ND ND ND ND ND ND ND ND ND ND N	31 31 31 20 20 20 20 20 20 20 20 20 20 20	No No No No No No No No No No No No No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor I Used as a herbicide	50 50 50 50 2 4 4 2 50 *1 50 50	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.1 ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND ND 0.04	ND ND ND ND ND ND ND ND ND ND ND ND ND N	31 31 31 20 20 20 20 20 20 20 20 20 20 20	No No No No No No No No No No No No No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories	50 50 50 4 4 2 2 5 50 *11 50 50 50 50 50 50 50 50 50 50 50 50 50	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L mg/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No No No No No No No No No No No No No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND 1.1 ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND ND ND NYS ac ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND O.04	ND N	31 31 31 31 20 20 20 20 20 20 20 20 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No No No No No No No No No No No No No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant	n/a n/a	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND	ND 1.1.1 ND S (Au ND ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND ND O.04	ND N	31 31 31 31 20 20 20 20 20 20 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid	Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories	N/a	n/a	ug/L ug/L mg/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4 ND	ND 1.1 ND ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND ND ND NP ND	ND ND O.04	ND N	31 31 31 31 20 20 20 20 20 20 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No No No No No No No No No No No No No N	ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane Dichlorodifluoromethane Dichlorodifluoromethane	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fumigant and insecticide Refrigerant, aerosol propellant	50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4. ND VICE CICLES ND	ND 1.1.1 ND S (Au ND ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND ND O.04	ND N	31 31 31 20 20 20 20 20 20 20 20 21 21 28 28 28 28 28 28 28 28 28	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND ND 0.02	ND ND ND ND ND ND ND ND ND ND ND ND ND N	34) 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1.3-Dichlorodifluoromethane 1.1-Dichlorodifluoromethane 1.1-Dichlorodifluoromethane 1.1-Dichlorodifluoromethane	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing	Pes Pes Pes	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1 ND 1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 28 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND ND 0.02	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane Cis-1,2-Dichloroethene 1,3-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene 1,2-Dichloroethene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fumigant and insecticide Refrigerant, aerosol propellant	500 500 500 500 500 500 500 500 500 500	n/a	ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND 4.4. ND VICE CICLES ND	ND 1.1.1 ND S (Au ND ND ND ND ND ND ND ND ND ND ND ND ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 21 21 28 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND ND ND O.02	ND N	34) 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1,3-Dichlorodifluoromethane 1,1-Dichlorodifluoromethane 1,1-Dichloroethane 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene Ethyl Benzene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From industrial chemical factories From paint on inside of water storage tank From paint on inside of water storage tank	N/a n/a	n/a	ug/L ug/L mg/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1 ND 1.1 ND 1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 28 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND ND 0.02	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorodifluoromethane 1.3-Dichlorodethene 1.3-Dichlorotethane 1.1-Dichloroethene 1.1-Dichloroethene 1.1-Dichloroethene 1.1-Dichloroethene 1.1-Dichloropropane Ethyl Benzene 4-Methyl-2-Pentanone	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungingant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From industrial chemical factories From industrial chemical factories	50 50 50 2 2 50 4 4 2 2 50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a	ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1.1 ND 1.1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND ND O.04	ND N	31 31 31 20 20 20 20 20 20 20 20 21 20 20 20 21 20 20 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1,3-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloropropane Ethyl Benzene 4-Methyl-2-Pentanone Methyl-Tert-Butyl Ether 0-Xylene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank From manufacturing facilities Gasoline From paint on inside of water storage tank From paint on inside of water storage tank	N/a n/a	n/a	ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1 ND 1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 28 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1.3-Dichloroethene 1.3-Dichloroethene 1.1-Dichloroethene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungine, manufacturing From industrial chemical factories From industrial chemical factories From industrial chemical factories From industrial chemical factories From manufacturing facilities Gasoline From paint on inside of water storage tant	N/a n/a	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1.1 ND 1.1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 21 20 20 21 20 20 20 21 20 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1,3-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloropropane Ethyl Benzene 4-Methyl-Z-Pentanone Methyl-Tert-Butyl Ether 0-Xylene p,m-Xylene Tetrachloroethene Tetrachloroethene Tetrachloroethene Toluene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor d Used as a herbicide Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank	N/a n/a	n/a	ug/L ug/L	No N	ND N	ND 4.4 ND	ND. 1.1. ND 1.	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 22 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1.3-Dichloroethene 1.3-Dichloroethene 1.1-Dichloroethene 1.1-Dichloroethene 1.1-Dichloroethene 1.1-Dichloroethene 1.2-Dichloropropane Ethyl Benzene 4-Methyl-Zenentanone Methyl-Tert-Butyl Ether 0.xylene 0.m-Xylene 1.2.4-Trichlorobenzene Ioluene 1.2.4-Trichlorobenzene	Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor Used as a herbicide Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a funigant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tank From manufacturing facilities Gasoline From paint on inside of water storage tank	N/a n/a	n/a	ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No N	ND N	ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA Tetrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane 1,3-Dichloroethene 1,1-Dichloroethane 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloropenpane Ethyl Benzene 4-Methyl-Z-Pentanone Methyl-Z-Pentanone Methyl-Tert-Butyl Ether 0-Xylene 0, m-Xylene Tetrachloroethene Toluene 1,1,1-Trichlorobenzene 1,1,1-Trichloroethane Trichloroethene Trichloroethene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tant From manufacturing facilities Gasoline From paint on inside of water storage tant Discharge from textile-finishing factories Metal degreasing sites factories	N/a n/a	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	NO N	ND N	ND 4.4 ND	ND. 1.1. ND 1.	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 22 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA fetrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane Cis-1,2-Dichloroethene 1,3-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,1-Dichloroethene 1,2-Dichloropropane Ethyl Benzene 4-Methyl-Tert-Butyl Ether o-Xylene p,m-Xylene Tetrachloroethene Toluene 1,2,4-Trichloroethane Trichloroethene Trichloroethene Trichlorofluoromethane Trichlorofluoromethane Trichlorofluoromethane Trichlorofluoromethane Trichlorofluoromethane Trichlorofluoromethane Trichlorofluoromethane	Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Used as a fungicide Degradation product of Metolachlor Used as a refrigerant From industrial chemical factories Used as a refrigerant Periodic used as a refrigerant on insecticide Periodic used as a refrigerant on insecticide Periodic used as a fungiant and insecticide Periodic used as a refrigerant on insecticide and insecticide Periodic used as a refrigerant on inside of water storage tank From paint on inside of water storage tank	N/a n/a	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND 4.4 ND 4.4 ND	ND 1.1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 28 28 28 28 28 28 28 28 28 28 28 28 28	No N	ND N	ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30
Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 1.4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorobenzene Chlorodifluoromethane Chlorodifluoromethane 1.3-Dichlorobenzene Dichlorodifluoromethane 1.1-Dichloroethane 1.1-Dichloroethane 1.1-Dichloroethane 1.2-Dichloroethane 1.2-Dichloroethane 1.1-Dichloroethane 1.1-Dichloroethane 1.1-Dichloroethane 1.1-Tirchloroethane 1.1-Tirchloroethane 1.1-Tirchloroethane IncXylene Jum-Xylene	Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungiant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From paint on inside of water storage tant From manufacturing facilities Gasoline From paint on inside of water storage tant Discharge from textile-finishing factories Metal degreasing sites factories	N/a n/a	n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND 4.4 ND	ND 1.1.1 ND	6 6 6 6 6 6 6 6 6 6 6 6 6 10 10 10 10 10 10 10 10 10 10 10 10 10	No.	ND N	ND N	ND N	31 31 31 20 20 20 20 20 20 20 20 20 21 21 20 20 20 20 20 20 20 20 20 20 20 20 20	No N	ND N	ND N	ND N	34) 30 30 30 30 30 30 30 30 30 30 30 30 30

Naturally Occuring Co.	mpounds as well as Contaminants			Distri	bution Area 57	Distrib	oution Area 64	Distribution Area EFWD
Detected Compound	Likely Source	MCL MC	LG Unit of Measure	Violation Low		Violation Low		
				Yes/No Valu	e Value Value Tests	Yes/No Value	Value Value Tests	Yes/No Value Value Value Tests
Inorganics								
Alkalinity to pH 4.5 mg CaCO3/l	Naturally occurring Naturally occurring		/a mg/L /a mg/L	No 32.2 No ND	67.4 51.6 6 0.03 ND 6	No 52.4 No ND	76.6 63.2 8 ND ND 8	No 28.6 44.4 37.6 6 No ND 0.10 0.05 8
Ammonia, free	Some fertilizers, septic systems	n/a n	/a mg/L	No ND	ND ND 3	No ND	ND ND 5	No ND ND ND 3
Arsenic Barium	Erosion of natural deposits Erosion of natural deposits	10	0 ug/L 2 mg/L	No ND No ND	ND ND 6 0.03 ND 6	No ND	ND ND 8 ND ND 8	No ND ND ND 8 No ND ND ND 8
Boron Bromide	Naturally occurring Naturally occurring		/a mg/L /a ug/L	No ND	ND ND 6	No ND	ND ND 37 221.1 73.1 12	No ND ND ND 7 No ND 55.2 ND 14
Calcium	Naturally occurring, pH control	n/a n	/a mg/L	No ND No 10.2	24.2 18.9 6	No 7.5	11.8 9.6 37	No 7.5 18.5 13.4 7
Chloride Chromium, total	Naturally occurring,salt water intrusion,road sal	t 250 r 100 10	n/a mg/L 00 ug/L	No 25.4 No ND	37.9 32.3 6 0.7 ND 6	No 22.0 No ND	79.8 37.5 8 0.8 0.5 8	No 6.6 14.2 10.5 6 No ND ND ND 8
CO2, calculated	Naturally occurring	n/a n	/a mg/L	No 1.6	6.4 3.5 6	<u>No</u> 1.4	39.4 12.3 8	No 0.6 6.6 3.0 6
Cobalt-59 Color, Apparent	Naturally occurring Naturally occurring metals or minerals		/a ug/L I/a Color Units	No ND	ND ND 6 5 ND 6	No ND NO ND	ND ND 8 ND ND 8	No ND 2.5 1.2 8 No ND 10 ND 6
Copper	Household plumbing	AL=1.3 1	.3 mg/L	No ND	ND ND 6	No ND	ND ND 8	No ND ND ND 8
Fluoride Hardness. total	Erosion of natural deposits Measure of the calcium and magnesium		/a mg/L /a mg/L	No ND No 43.6	ND ND 6 82.5 66.6 6	No ND No 34.3	ND ND 8 64.0 45.9 37	No ND ND ND 6 No 25.4 53.5 38.1 7
Hexavalent Chromium	Erosion of natural deposits	n/a n	/a uğ/L	No 0.29	0.54 0.40 6	No 0.26	0.41 0.35 8	No ND 0.23 0.13 6
Iron Lithium	Naturally occurring Naturally occurring	n/a n	/a ug/L /a ug/L	No ND	33 ND 6 2.4 1.3 6	No ND	273 52 37 ND ND 8	No ND 266 91 7 No ND 1.1 ND 8
Magnesium Manganese	Naturallý occurring Naturally occurring	n/a n	/a mg/L	No 4.28	5.47 4.72 6	No 3.60	9.52 5.30 37 ND ND 37	No ND 10 ND 7
Manganese Nickel	Alloys, coatings manufacturing, batteries	100 n	/a uğ/L	No ND	ND ND 6 ND ND 6	No ND	0.9 ND 8	No 1.0 3.4 2.2 8
Nitrate Nitrite	Natural deposits, fertilizer, septic tanks Natural deposits, fertilizer, septic tanks		0 mg/L 1 mg/L	No 0.67	2.38 1.38 6 ND ND 6	No 0.50 No ND	1.46 1.00 8 ND ND 8	No 0.05 3.07 0.76 6 No ND ND ND 6
Perchlorate	Fertilizers, solid fuel propellant, fireworks	15	5 ug/L	No ND	ND ND 8	No ND	ND ND 10	No ND ND ND 10
pH pH, field	Measure of water acidity or alkalinity Measure of water acidity or alkalinity		/a pH Units /a pH Units	No 7.2 No 6.8	7.8 7.5 6 8.3 7.7 56	No 6.5 No 7.0	8.0 7.3 15 8.5 7.4 31	No 7.1 8.7 7.6 11 No 7.0 8.0 7.5 156
Phosphate, total	Added to keep iron in solution	n/a n	/a i mg/L	No ND	0.20 ND 6	No ND	1.52 1.15 37	No ND 0.35 ND 7
Potassium Silicon	Naturally occurring Naturally occurring		/a mg/L /a mg/L	No 0.94 No 7.8	1.49 1.20 6 9.8 9.0 6	No 0.82 No 8.5	1.71 1.16 37 9.9 9.5 8	No 0.40 0.83 0.59 7 No 3.4 3.7 3.5 8
Sodium	Naturally occurring	n/a n	/a mg/L	No 16.9	22.1 19.8 6	No 23.5	68.7 39.1 37	No 4.3 8.2 5.8 7
Specific Conductance Strontium-88	Total of naturally occurring minerals Naturally occurring		n/a umho/cm /a mg/L	No 180 No 0.046	291 244 6 0.079 0.066 6	No 212 No 0.047	436 276 8 0.074 0.059 8	No 79 153 120 6 No 0.016 0.037 0.028 8
Sulfate	Naturally occurring	250 n	/a ⊨mŭ/L	No 9.0	12.4 10.0 6	No 9.9	11.9 10.5 8	No ND 4.5 ND 6
Titanium Total Organic Carbon (TOC	Naturally occurring Naturally occurring	n/a n	/a uğ/L /a mg/L	No ND No 0.5	ND ND 6 0.7 0.6 2	No ND No 0.6	ND ND 37 0.6 0.6 2	No ND 0.5 ND 4
Turbidity Uranium	Silts and clays in aquifer Naturally occurring		/a NTU /a ug/L	No ND	0.41 ND 6 ND ND 6	No ND No ND	0.59 ND 8 ND ND 8	No ND 1.04 0.46 6 No ND ND ND 8
Vanadium Zinc	Naturally occurring Naturally occurring, plumbing	n/a n	/a ug/L /a mg/L	No ND	ND ND 6	No ND	ND ND 8	No ND ND ND 8 No ND ND ND 8
Synthetic Orga	nic Compounds including	Pesti	cides a	nd Herb	icides (August :	6, 2020 NYS ac	lopts an MCL of 1 pp	b for 1,4 Dioxane, see page 34)
		50						
Alachlor ESA Alachlor OA	Degradation product of Alachlor Degradation product of Alachlor		n/a ug/L n/a ug/L	No ND	ND ND 6 ND ND 6	No ND	ND ND 8 ND ND 8	No ND ND ND 6 No ND ND ND 6
Aldicarb Sulfone	Pesticide used on row crops	2	1 ug/L	No ND	ND ND 6	No ND	ND ND 8	No ND ND ND 6
Aldicarb Sulfoxide Chlordane, Total	Pesticide used on row crops Residue of banned termiticide	4 2 r	1 ug/L n/a ug/L	No ND	ND ND 6 ND ND 6	<u>No</u> ND No ND	ND ND 8 ND ND 8	No ND ND ND 6 No ND ND ND 6
Diethyltoluamide (DEET) 1.4-Dioxane	Insect Repellent Used in manufacturing processes	50 r	n/a ug/L n/a ug/L	No ND	ND ND 6 0.07 ND 6	No ND	ND ND 8 ND ND 12	No ND ND ND 6 No ND 2.40 0.47 6
Metalaxyl	Used as a fungicide	50 r	n/a ug/L	No ND	ND ND 6	No ND	ND ND 8	No ND ND ND 6
Metolachlor ESA Metolachlor OA	Degradation product of Metolachlor Degradation product of Metolachlor		n/a ug/L n/a ug/L	No ND	ND ND 6 ND ND 6	No ND No ND	ND ND 8	No ND ND ND 6 No ND ND ND 6
etrachloroterephthalic Acid	Used as a herbicide		n/a ug/L	No ND	ND ND 6	No ND	ND ND 8	No ND ND ND 6
Valatila Ossasi	- Cd-							
Volatile Organi	c Compounds							
Chlorobenzene	From industrial chemical factories		n/a ug/L	No ND	ND ND 10	No ND	ND ND 20	No ND ND ND 21
Chlorodifluoromethane Cis-1,2-Dichloroethene	Used as a refrigerant From industrial chemical factories		n/a ug/L n/a ug/L	No ND ND ND	ND ND 10 ND ND 10	No ND NO ND	ND ND 20 ND ND 20	No ND 2.15 0.52 21 No ND ND ND 21
1.3-Dichlorobenzene	Used as a fumigant and insecticide	5 1	n/a ug/L	No ND	ND ND 10	No ND	ND ND 20	No ND ND ND 21
Dichlorodifluoromethane 1,1-Dichloroethane	Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing		n/a ug/L n/a ug/L	No ND ND ND	ND ND 10 ND ND 10	No ND NO ND	ND ND 20 ND ND 20	No ND ND ND 21 No ND ND ND 21
1.1-Dichloroethene	From industrial chemical factories		n/a uď/L	No ND	ND ND 10	No ND	ND ND 20	No ND ND ND 21
1,2-Dichloropropane Ethyl Benzene	From industrial chemical factories From paint on inside of water storage tank		0 ug/L n/a ug/L	No ND ND ND	ND ND 10 ND ND 10	<u>No</u> ND No ND	ND ND 20 ND ND 20	No ND ND ND 21 No ND ND ND 21
4-Methyl-2-Pentanone Methyl-Tert-Butyl Ether	From manufacturing facilities	50 r	n/a ug/L	No ND	ND ND 10	No ND	ND ND 20	No ND ND ND 21
o-Xylene	Gasoline From paint on inside of water storage tank	(5 r	n/a ug/L n/a ug/L	No ND No ND	ND ND 10 ND ND 10	No ND	ND ND 20	No ND ND ND 21
p,m-Xylene Tetrachloroethene	From paint on inside of water storage tank Factories, dry cleaners, spills	5 r	ı/a uğ/L 0 ug/L	No_ND	ND ND 10 ND ND 10	No ND	ND ND 20 ND ND 20	No ND ND ND 21 No ND ND ND 21
Toluene	From paint on inside of water storage tan	k 5 r	n/a ug/L	No ND	ND ND 10	No ND	ND ND 20	No ND ND ND 21
1,2,4-Trichlorobenzene 1,1,1-Trichloroethane	Discharge from textile-finishing factories Metal degreasing sites, factories		n/a ug/L n/a ug/L	No ND	ND ND 10 ND ND 10	No ND No ND	ND ND 20 ND ND 20	No ND ND ND 21 No ND ND ND 21
Trichloroethene	Metal degreasing sites, factories	5	0 ug/L	No ND	ND ND 10	No ND	ND ND 20	No ND ND ND 21
Trichlorofluoromethane 1,2,3-Trichloropropane	Dry cleaning.propellant,fire extinguishers Degreasing agent, manufacturing	5 r	n/a ug/L n/a ug/L	No ND ND ND	ND ND 10 ND ND 10	No ND	ND ND 20 ND ND 20	No ND ND ND 21 No ND ND ND 21
, ,	e Solvent in paints and varnishes							No ND ND ND 21
.1,2-Trichlorotrifluoroethan	e Solvent in paints and varnishes	5 r	n/a ug/L	No ND	ND ND 10	No ND	ND ND 20	INO IND IND ZI

Naturally Occuring Co.	inpounds as well as containmants					Distribution Area RSWD Distribution Area SBWD						Distribution Are			Area WNWD				
Detected Compound	Likely Source	MCL	MCLG	Unit of Measure	Violation	1 Low	ge of Rea	Avg. N			n Low		Avg.	No. of	Violatio	on Low		Avg.	No. of
					Yes/No	Value	Value	Value	Tests	Yes/No	O Value	Value	Value	Tests	Yes/N	o Value	Value	Value	Tests
Inorganics																			
Alkalinity to pH 4.5 mg CaCO3/l	Naturally occurring	n/a	n/a	mg/L	No.	28.6	29.6	29.1	2		ND	43.4	26.7	4	No	84.8	109.0	96.3	8
Aluminum	Naturally occurring	n/a	n/a	mg/L	No .	ND	ND	ND	2	_No_	ND	0.06	0.02		No_	_ND	ND	ND	10
Ammonia, free Arsenic	Some fertilizers, septic systems Erosion of natural deposits	n/a 10	n/a 0	mg/L ug/L	No	ND ND	ND ND	ND ND	1 2	No_ _No_	ND ND	ND ND	ND ND	<u>2</u> 4	No No	ND ND	ND ND	ND ND	3 10
Barium	Erosion of natural deposits	2	2	mg/L	No .	ND	ND	ND	2	No_	ND	ND	ND	4	_No_	_ND_	0.04	0.02	10
Boron Bromide	Naturally occurring Naturally occurring	n/a n/a	n/a n/a	mg/L ug/L	No	ND ND	ND ND	ND ND	2 10	No_ _No_	ND ND	ND ND	ND ND	<u>4</u> 12	No No	_ND _ND	ND 54.5	ND ND	37 9
Calcium	Naturally occurring, pH control	n/a	n/a	mg/L	No	9.1	10.2	9.7	2	No_	4.2	18.0	11.0		No	6.6	13.3	9.5	37
Chloride Chromium total	Naturally occurring, salt water intrusion, road sal	t 250 100	100	mg/L	No_	11.8	18.7	15.2	2	_No_	5.1	14.1	9.1	4	No_	15.2	32.7 1.5	21.9 0.8	17 10
Chromium, total CO2. calculated	Natural deposits Naturally occurring	n/a	n/a	uğ/L mg/L	No	0.5 1.9	0.8 2.6	0.6 2.2	2	No_ No_	ND 3.5	1.5 7.9	0.8 5.6	<u>4</u> 4	No No	_ <u>ND</u> _1.7	60.8	21.4	1U 8
Cobalt-59	Naturally occurring	n/a	n/a	uğ/L	No .	ND	ND	ND	2	No_	ND	ND	ND	4	_No_	ND	ND	ND	10
Color, Apparent Copper	Naturally occurring metals or minerals Household plumbing	15	n/a 1.3	Color Units mg/L	No	ND ND	7 ND	ND ND	2	No_ No_	ND ND	<u>5</u> ND	ND ND	4	No No	_ND ND	10 0.07	ND 0.03	<u>8</u> 10
Fluoride	Erosion of natural deposits	2.2		mg/L	No .	ND	ND	ND	2	No_	ND	ND	ND	4	No	ND	ND	ND	17
Hardness, total	Measure of the calcium and magnesium	n/a	n/a	mg/L	No	32.9	36.7	34.8	2	_No_	13.8	55.8	34.2	4	No	23.0	49.0	37.7	37
Hexavalent Chromium_ Iron	Erosion of natural deposits Naturally occurring	n/a 300	n/a n/a	ug/L ug/L	No Yes	0.47 ND	1.01 322	0.74 168	2	<u>No_</u> No_	0.30 ND	1.54 73	0.93 39	<u>4</u> 4	No No	_0.11_ ND	1.10 ND	0.64 ND	8 37
Lithium	Naturally occurring	n/a	n/a	ug/L	No	ND	1.2	ND	2	No_	ND	ND	ND	4	No	ND	ND	ND	10
Magnesium Manganoso	Naturally occurring	n/a	n/a	mg/L	No	2.45	2.73	2.59	2	No_	0.77	2.63	1.66		No No	1.55	4.61	3.39	37
Manganese Nickel	Naturally occurring Alloys, coatings manufacturing, batteries	100	n/a n/a	ug/L ug/L	No	ND ND	ND ND	ND ND	2	No _No_	ND ND	ND 0.6	ND ND	<u>4</u> 4	No No	_ND _ND	41 ND	ND ND	37 10
Vitrate	Natural deposits, fertilizer, septic tanks	10	10	mg/L	No	0.06	0.09	0.08	2	No_	0.12	3.20	1.50	4	No	2.46	6.26	4.39	17
Nitrite Perchlorate	Natural deposits, fertilizer, septic tanks Fertilizers, solid fuel propellant, fireworks	15	1 5	mg/L ug/L	No	ND	ND	ND	<u>2</u> 4	No_	ND	ND	ND	<u>4</u> 8	No No	_ND _ND	ND 0.35	ND ND	17 9
oH	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	ND 7.4	ND 7.5	ND 7.4	2	No_ No_	ND 6.7	0.33 7.4	<u>ND</u> 7.0	<u>8</u>	No	6.5	8.0	7.1	13
oH, field	Measure of water acidity or alkalinity	n/a	n/a	pH Units	No	7.0	7.7	7.2	48	No	6.7	7.9	7.3	96	_No_	7.0	7.6	7.2	29
Phosphate, total	Added to keep iron in solution Naturally occurring	n/a n/a	n/a	mg/L	No	ND_	ND_	ND 0.61	2	No_	ND	ND	ND	4	No_	0.40 1.10	1.29 2.60	0.74 1.86	37 37
Potassium Silicon	Naturally occurring	n/a	n/a n/a	mg/L mg/L	No	0.60 6.7	0.63 6.9	0.61 6.8	2	<u>No_</u> No	0.36 4.6	0.68 5.9	0.52 5.5	<u>4</u> 4	No No	5.2	8.3	6.8	10
Sodium	Naturally occurring	n/a	n/a	mg/L	No	7.8	11.6	9.7	2	_No_	4.3	9.3	6.7	4	_No_	39.2	66.3	52.6	37
Specific Conductance Strontium-88	Total of naturally occurring minerals	n/a	n/a n/a		No	115	151	133	2	No_	<u>55</u>	167 0.035	109 0.020	4	No No	255 0.050	382 0.086	315	8 10
Sulfate	Naturally occurring Naturally occurring	n/a_ 250	n/a	mg/L mg/L	No	0.034 7.0	7.7	0.035 7.3	2	No _No_	ND ND	3.9	2.5	4	No No	9.5	12.9	10.7	17
	Naturally occurring	n/a	n/a	ug/L	No	ND	ND	ND	2	_No_	ND	ND	ND	4	No	ND	ND	ND	37
																			2
Total Organic Carbon (TOC	Naturallý occurring	n/a	n/a	mg/L	No	ND_	0.6	ND 0.53	2	No_	ND_	ND	ND	4	No No	<u>8.0</u> _	0.9	8.0	
Total Organic Carbon (TOC) Turbidity	Naturallý occurring Silts and clays in aquifer	n/a 5	n/a	NŤU	No	ND	0.87	0.53	2	_No_	ND	0.93	ND	4	_No_	ND	0.9 0.65 ND	ND ND	8
Titanium Total Organic Carbon (TOC Turbidity Uranium Vanadium Zino) Naturallý occurring Silts and clays in aquifer Naturally occurring Naturally occurring	n/a 5 n/a n/a	n/a n/a n/a	NŤU ug/L ug/L	No No No	ND ND ND	0.87 ND ND	0.53 ND ND	2 2 2	No_ No_ No_	ND ND ND	0.93 ND ND	ND ND ND	4 4 4	No No No	ND ND ND	0.65 ND ND	ND ND ND	8 10 10
Total Organic Carbon (TOC Turbidity Uranium	Naturallý occurring Silts and clays in aquifer Naturally occurring	n/a 5 n/a	n/a n/a	NŤU ug/L	No No	ND ND	0.87 ND	0.53 ND	2	No_ _No_	ND ND	0.93 ND	ND ND	4	No No	ND ND	0.65 ND	ND ND	8 10
Total Organic Carbon (TOC Turbidity Uranium Vanadium Zinc	Naturallý occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring, plumbing	n/a 5 n/a n/a 5	n/a n/a n/a n/a	NŤU ug/L ug/L mg/L	No No No	ND ND ND ND	0.87 ND ND ND	0.53 ND ND ND	2 2 2 2	No_ No_ No_	ND ND ND ND	0.93 ND ND ND	ND ND ND ND	4 4 4 4	No No No No	ND ND ND ND	0.65 ND ND ND	ND ND ND	8 10 10 10
Total Organic Carbon (TOC Turbidity Uranium Vanadium Zinc) Naturallý occurring Silts and clays in aquifer Naturally occurring Naturally occurring	n/a 5 n/a n/a 5	n/a n/a n/a n/a	NŤU ug/L ug/L mg/L	No No No	ND ND ND ND	0.87 ND ND ND	0.53 ND ND ND	2 2 2 2	No_ No_ No_	ND ND ND ND	0.93 ND ND ND	ND ND ND ND	4 4 4 4	No No No No	ND ND ND ND	0.65 ND ND ND	ND ND ND	8 10 10 10
Total Organic Carbon (TOC) Turbidity Uranium Vanadium Zinc Synthetic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing	n/a 5 n/a n/a 5	n/a n/a n/a n/a	NTU ug/L ug/L mg/L	No No No No No	ND ND ND ND	0.87 ND ND ND	0.53 ND ND ND	2 2 2 2 2	No N	ND ND ND ND	0.93 ND ND ND	ND ND ND ND	4 4 4 4 of 1 pp	No No No No	ND ND ND ND	0.65 ND ND ND	ND ND ND ND	8 10 10 10
Total Organic Carbon (TOC Turbidity Uranium Vanadium Zinc Synthetic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor	n/a 5 n/a n/a 5 Pes	n/a n/a n/a n/a	NTU ug/L ug/L mg/L des a	No No No No No	ND ND ND ND	0.87 ND ND ND	0.53 ND ND ND ND	2 2 2 2 2 2 2	No N	ND ND ND ND NYS ad	0.93 ND ND ND ND	ND ND ND ND	4 4 4 4 of 1 pp	No No No No No	ND ND ND ND ND	0.65 ND ND ND ND	ND ND ND ND ND	8 10 10 10 10
Total Organic Carbon (TOC) Turbidity Uranium Vanadium Zinc Synthetic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing	n/a 5 n/a n/a 5	n/a n/a n/a n/a	NTU ug/L ug/L mg/L des a	No No No No No No No No	ND ND ND ND	0.87 ND ND ND	0.53 ND ND ND	2 2 2 2 2	No N	ND ND ND ND	0.93 ND ND ND	ND ND ND ND	4 4 4 4 of 1 pp	No No No No	ND ND ND ND	0.65 ND ND ND	ND ND ND ND	8 10 10 10
Total Organic Carbon (TOC) Turbidity Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Unic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops	n/a 5 n/a n/a 5 50 50 2 4	n/a n/a n/a n/a n/a n/a	ug/L ug/L ug/L mg/L des a	No N	ND ND ND ND ND ND ND ND ND	0.87 ND ND ND Cides	O.53 ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND NYS add	0.93 ND ND ND ND opts an	ND ND ND ND NCL (4 4 4 4 of 1 pp	No No No No No No No No No No	ND ND ND ND ND ND ND ND ND	O.65 ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND	8 10 10 10 10 34)
Iotal Organic Carbon (TOC Turbidity Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Chlordane, Total	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Unic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide	n/a 5 n/a n/a 5 50 50 50 2 4	n/a n/a n/a n/a n/a n/a 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND	0.87 ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NoNoNoNoNoNoNoNo.	ND ND ND ND NYS ad	O.93 ND ND ND Opts an	ND ND ND ND NCL (4 4 4 4 0f 1 pp	No No No No No No No No No No No	ND ND ND ND ND ND ND ND ND ND ND	O.65 ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND	8 10 10 10 10 34)
Total Organic Carbon (TOC Turbidity Uranium Wanadium Zinc Organic Carbon (TOC Turbidity Wanadium Zinc Organic Carbon (TOC Organic Carbon Carbo	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes	n/a 5 n/a n/a n/a 5 50 50 50 2 4 4 2 50 *1	n/a n/a n/a n/a n/a n/a 1 1 1 n/a n/a	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND	0.87 ND ND ND Cides	ND N	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND NYS add ND ND ND ND ND ND ND ND	0.93 ND ND ND ND opts an	ND ND ND ND ND ND ND ND ND ND ND ND	4 4 4 4 4 4 4 4 4	No N	ND ND ND ND AD ND ND ND ND ND ND ND ND ND ND	O.65 ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND	8 10 10 10 34) 7 7 7 7 7 7 7
Total Organic Carbon (TOC) Furbidity Jranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) J.4-Dioxane Metalaxyl	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring Naturally occurring Naturally occurring Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide	n/a 5 n/a n/a 5 50 50 50 2 4 2 5 50 1 50 1 50 1 5	n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.87 ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND ND ND Opts an	ND ND ND ND ND ND ND ND ND ND ND ND	4 4 4 4 4 4 4 4 4 4	No N	ND ND ND ND A Dioxa A Dioxa ND ND ND ND ND ND ND ND ND ND ND	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND	8 10 10 10 34) 7 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Organic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor	50 50 50 50 50 50 2 4 4 2 5 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.87 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND ND ND Opts an ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	4 4 4 4 4 4 4 4 4 4	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 34) 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Organic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor	n/a 5 n/a n/a 5 50 50 50 2 4 2 5 50 1 50 1 50 1 5	n/a n/a n/a n/a n/a n/a n/a n/a n/a n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.87 ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND ND ND Opts an	ND ND ND ND ND ND ND ND ND ND ND ND	4 4 4 4 4 4 4 4 4 4	No N	ND ND ND ND A Dioxa A Dioxa ND ND ND ND ND ND ND ND ND ND ND	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND	8 10 10 10 34) 7 7 7 7 7 7 7 7 7
Total Organic Carbon (TOC) Turbidity Uranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET)	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor	50 50 50 50 50 50 50 50 50 50	n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.87 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	4 4 4 4 4 4 4 4 4 4	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.65 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 34) 7 7 7 7 7 7 7 7 7 7
Total Organic Carbon (TOC Turbidity Uranium Wanadium Zinc Organic Carbon (TOC Turbidity Wanadium Zinc Organic Carbon (TOC Organic Carbon Carbo	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor Degradation product of Metolachlor Used as a herbicide	50 50 50 50 50 50 50 50 50 50	n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.87 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	4 4 4 4 4 4 4 4 4 4	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.65 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 34) 7 7 7 7 7 7 7 7 7 7
Total Organic Carbon (TOC Turbidity Uranium Wanadium Zinc Organic Carbon (TOC Alachlor ESA Alachlor OA Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) I,4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor Degradation product of Metolachlor Used as a herbicide	50 50 50 50 50 50 50 50 50 50	n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.87 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	4 4 4 4 4 4 4 4 4 4	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.65 ND ND ND ND ND ND ND ND ND ND ND ND ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 34) 7 7 7 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Turbidity Uranium Wanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Aldicarb Sulfone Chlordane, Total Diethyltoluamide (DEET), 4-Dioxane Metalaxyl Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organi	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories	n/a	n/a	Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L Ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.87 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	No N	ND N	O.65 ND	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 10 34)
Iotal Organic Carbon (TOC Turbidity Uranium Vanadium Zinc Organic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring	50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a	NTU ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No _	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 10 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Synthetic Orga Alachlor ESA Alachlor OA Alachlor OA Alachlor OA Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfone Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET), 4-Dioxane Metalaxyl Metolachlor OA etrachloroterephthalic Acid Volatile Organi Chlorodifluoromethane Chlorodifluoromethane Chlorodifluoromethane Chlorodifluoromethane 3-Dichlorobenzene	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor I Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fumicant and insecticide	n/a	n/a	NTU ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.87 ND ND ND ND ND ND ND ND ND ND ND ND ND	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 2 1 2	No N	ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 10 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Furbidity Jranium Vanadium Vinc Organic Orga	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor Degradation product of Metolachlor Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a funigant and insecticide Refrigerant, aerosol propellant	50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a	NTU ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	O.53 ND ND ND ND ND ND ND ND ND ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No _	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 2 1 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 10 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Organic Vanadium Zinc Organic Valachlor ESA Alachlor OA Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 4-Dioxane Metolachlor ESA Metolachlor OA etrachloroterephthalic Acid Volatile Organic Chlorodifluoromethane Chlorodifluoromethane (3-Dichlorodifluoromethane 1,3-Dichlorodifluoromethane 1,1-Dichlorodethane Organic Valachlorodifluoromethane (1,1-Dichlorodifluoromethane 1,1-Dichlorodifluoromethane (1,1-Dichlorodifluoromethane (1,1-Dichlorodif	Naturally occurring Silts and clays in aquifer Naturally occurring	50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a	NTU ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	ND N	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No _	ND ND ND ND ND ND ND ND ND ND ND ND ND N	O.93 ND	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 2 1 2	No N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 10 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Iotal Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Organic Carbon (TOC Turbidity Jranium Vanadium Zinc Organic Vanadium Zinc Organic Valachlor OA Alachlor OA Alachlor OA Aldicarb Sulfoxide Chlordane, Total Diethyltoluamide (DEET) 4-Dioxane Metolachlor ESA Metolachlor OA Etrachloroterephthalic Acid Volatile Organic Chlorodifluoromethane Cis-1,2-Dichloroethene 1,3-Dichlorodifluoromethane 1,1-Dichloroethene 1,1-Dichloroethe	Naturally occurring Silts and clays in aquifer Naturally occurring Naturally occurring Naturally occurring Naturally occurring, plumbing Inic Compounds including Degradation product of Alachlor Degradation product of Alachlor Pesticide used on row crops Residue of banned termiticide Insect Repellent Used in manufacturing processes Used as a fungicide Degradation product of Metolachlor Degradation product of Metolachlor Used as a herbicide C Compounds From industrial chemical factories Used as a refrigerant From industrial chemical factories Used as a fungigant and insecticide Refrigerant, aerosol propellant Degreaser, gasoline, manufacturing From industrial chemical factories From industrial chemical factories From industrial chemical factories From industrial chemical factories	50 50 50 50 50 50 50 50 50 50 50 50 50 5	n/a	NTU ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	No N	ND N	ND N	O.53. ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No _	ND N	O.93 ND	ND N	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1 2 12 12 12 12 12 12 12 12 12 12 12 12	No N	ND N	ND N	ND ND ND ND ND ND ND ND ND ND ND ND ND N	8 10 10 10 10 7 7 7 7 7 7 7 7 7 7 7 7 7 7
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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 2023, all source water monitoring samples were E. colinegative (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 2023, 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.

2023 Microbiological Test Results for Wells and Heterotrophic Plate Count (HPC)

Well Location	Collection Point at Pump Station	Test Results
Distribution Area 01*	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 01*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 12*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 15*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 30*	EPTD (after chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 06*	EPTD (prior to chlorination)	Total coliform-positive, E. coli-negative
Distribution Area 12*	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 drinkina water systems, heterotrophs, this test can provide useful information about water quality. In 2023, the HPC results for our storage tanks were negative heterotrophs found). The HPC results for our filter systems can be found in the 2023 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 2023, 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 2023, we collected an average of 906 total coliform samples each month, including samples from East Farmingdale, Riverside,

Stony Brook, Dering Harbor 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 2023 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.

2023 Microbiological Test Results for Distribution

	for	r Large Water Di	stribution	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
1 10 12	No No No	0.4% 2.1% 0.6%	0% 0% 0%	0.0% 0.2% 0.1%	2947 536 1937

TABLE I – Microbiological Test Results

Distribution Areas 15 and 23 had no detections of total coliform in 2023.

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
	N/A	N/A	N/A	N/A	N/A	N/A

Distribution Areas 4, 5, 6, 7, 8, 9, 11, 14, 26, 30, 32, 34, 35, 44, 53, 54, 57, 64, Stony Brook, Riverside, East Farmingdale, and West Neck Water Districts had no detections of total coliform in 2023.

DISINFECTION BYPRODUCTS RULE MONITORING

The SCWA is required to use a disinfectant to reduce the potential of microbial contamination. Minute amounts of chlorine are 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 2023 disinfectant and disinfection byproducts results for each distribution area are noted on pages 17-19.

2023 Stage 2 DBPR Test Results

Detected Compound		7	otal Trih	alomethanes	S	7	Total Halo	oacetic Acids	S			
Likely Source		Ву	product o	of chlorinati	on	Byproduct of chlorination						
MCL				80		60						
MCLG			N	N/A		N/A						
Unit of Measure			u	g/L		ug/L						
			Range o	f Readings			Range o	f 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	3.83	8.52	5.82	4	ND	2.05	0.74	4			
SCWA - Zone 6	2	5.58	9.72	7.96	4	ND	2.28	0.90	4			
SCWA - Zone 10	3	ND	1.42	0.45	4	ND	ND	ND	4			
SCWA - Zone 12	4	1.86	27.19	16.77	4	ND	4.24	2.71	4			
SCWA - Zone 1	5	8.66	15.79	12.28	4	0.86	2.86	1.98	4			
SCWA - Zone 26	6	6.59	13.99	10.86	4	0.54	1.26	0.84	4			
SCWA - Zone 30	7	3.25	5.71	5.02	4	0.60	0.73	0.66	4			
SCWA - Zone 54	8	ND	3.51	1.67	4	ND	0.77	0.41	4			
SCWA - Zone 64	9	5.24	8.40	6.69	4	ND	0.66	0.42	4			
FHWD	1	ND	4.15	2.39	4	ND	4.02	1.55	4			
FHWD	2	0.90	14.61	6.10	4	0.47	16.70	6.10	4			
EFWD	1	0.78	2.00	1.52	4	ND	ND	ND	4			
EFWD	2	2.05	4.86	2.99	4	ND	ND	ND	4			
SBWD	1	ND	2.02	0.98	4	ND	ND	ND	4			
SBWD	2	0.39	1.32	0.89	4	ND ND ND 4						
RSWD	1	0.70	1.58	1.07	4	ND ND ND 4						
RSWD	2	0.98	2.06	1.62	4	ND	ND	ND	4			
WNWD	1	1.78	1.78	1.78	1	ND	ND	ND	1			

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 radio-nuclides. 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 33.

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 2023 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 33. 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 33.

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 2023 we monitored for radon at 81 locations throughout our distribution system. The results for each distribution area are noted in the chart below. The test results ranged from ND to 247 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	C	ROS	S ALPH	1A	(GROS	S BET	4		RAD	ON-222			RADI	UM-226	5	RADIUM-2			3	
Likely Source	Ere		of Nat	ural			posits, missio				/ occurr ctive ga		Er		of Natu osits	ural	Ere		of Natu osits	ural	
MCL			15				50			1	N/A				5				5		
MCLG			0				0				0				0			0			
Unit of Measure		p	Ci/L			р(Ci/L			р	Ci/L			р(Ci/L						
Measure	Ran	ge of	f Read	lings	Ran	ge of	Read	ings	Rar	nge o	f Readi	ngs	Ran	ige of	Read	ings	Ran	ge of	Read	ings	
Distribution			Average				Average				Average				Average				Average		
Area		Value	Value	Tests	Value	Value	Value	Tests	Value		Value	Tests	Value		Value	Tests		Value	Value	Tests	
1	ND	ND	ND	52	ND	3.83	ND	52	ND	117	ND	16	ND	ND	ND	8	ND	1.26	ND	8	
4	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	
5	2.12	2.12	2.12	1	2.01	2.01	2.01	1	127	127	127	1	NA	NA	NA	0	NA	NA	NA	0	
6	ND ND	ND ND	ND ND	3	ND ND	ND 7.22	ND 4.11	3	ND ND	177 ND	175.5 ND	2	ND ND	ND ND	ND ND	1	ND 1.12	ND 1.12	ND 1.12	1	
8	ND	ND	ND	2	ND	ND	4.11 ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	
9	ND	2.77	ND	5	ND	ND	ND	5	ND	ND	ND	2	ND	ND	ND	3	ND	ND	ND	3	
10	ND	ND	ND	5	ND	4.54	2.04	5	ND	ND	ND	2	ND	ND	ND	3	ND	1.78	ND	3	
11	ND	2.30	ND	13	ND	3.42	2.42	13	ND	ND	ND	2	ND	1.27	ND	11	ND	2.04	ND	11	
12	ND	ND	ND	47	ND	3.85	ND	47	ND	162	ND	13	ND	ND	ND	15	ND	ND	ND	15	
14	ND	ND	ND	3	ND	ND	ND	3	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	
15	ND	2.58	ND	16	ND	3.30	ND	16	ND	120	ND	6	ND	1.28	ND	10	ND	ND	ND	10	
23	ND	ND	ND	15	ND	2.48	ND	15	ND	111	ND	5	ND	ND	ND	10	ND	1.32	ND	10	
26	ND	ND	ND	3	ND	ND	ND	3	ND	247	115.7	3	NA	NA	NA	0	NA	NA	NA	0	
30	ND	ND	ND	4	ND	2.05	ND	4	ND	ND	ND	3	ND	ND	ND	1	ND	ND	ND	1	
32	ND	ND	ND	2	ND	ND	ND	2	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	
34	ND	ND	ND	2	ND	ND	ND	2	196	196	196	1	ND	ND	ND	1	ND	ND	ND	1	
35	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	
44	ND	ND	ND	1	3.21	3.21	3.21	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0	
53	ND	ND	ND	7	ND	3.80	2.48	7	ND	ND	ND	4	ND	ND	ND	3	ND	ND	ND	3	
54	ND	ND	ND	6	ND	2.26	ND	6	ND	ND	ND	5	ND	ND	ND	1	ND	ND	ND	1	
57	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	ND	ND	ND	1	
64	1.54	1.54	1.54	1	ND	ND	ND	1	ND	ND	ND	1	NA	NA	NA	0	NA	NA	NA	0	
EFWD	ND	ND	ND	2	ND	ND	ND	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	ND	ND	2	ND	ND	ND	2	ND	104	ND	2	NA	NA	NA	0	NA	NA	NA	0	
WNWD	ND	ND	ND	1	2.13	2.13	2.13	1	137	137	137	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 2023 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).

MAXIMUM CONTAMINANT LEVEL DEFERRALS

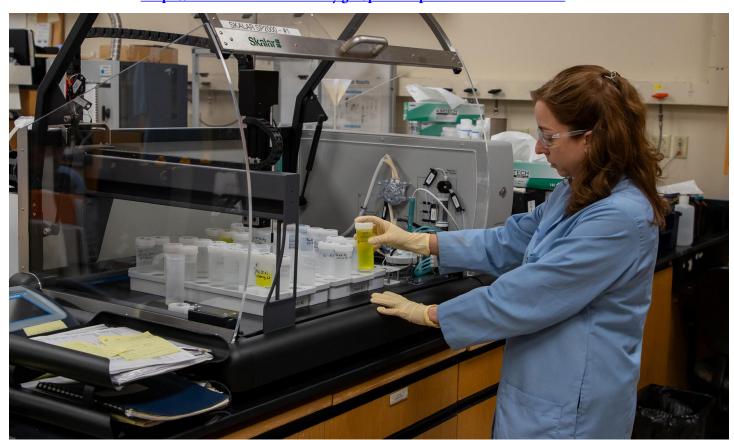
PFOS, PFOA and 1,4-Dioxane

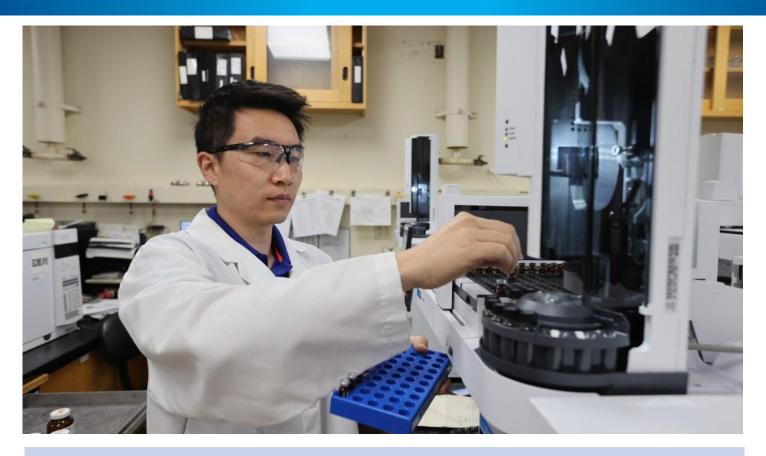
When a public water system (PWS) is issued a deferral, the water system agrees to a schedule for corrective action and compliance with the new PFOS, PFOA or 1,4-dioxane MCLs. In exchange, the New York State Department of Health (the Department) agrees to defer enforcement actions, such as assessing fines, if the PWS is meeting established deadlines. Deferral recipients are required to update the Department and the Suffolk County Department of Health Services each calendar quarter on the status of established deadlines. The Department can resume enforcement if the agreed upon deadlines are not met. Information about our deferral and established deadline can be found at the following site:

https://www.scwa.com/emerging-contaminants/

What is being done to remove these contaminants?

SCWA is installing granular activated carbon treatment systems at impacted wells to remove PFOA and PFOS and advanced oxidation process systems to remove 1,4-dioxane. In the interim, SCWA will make every effort to operationally minimize the concentration of 1,4-dioxane, PFOA and PFOS in the distribution system at any given time. Additional information will be shared monthly on our website at www.scwa.com as further testing and progress occurs. This process is similar for any chemical detected in public drinking water that requires mitigation. The compliance timetable will ensure that your drinking water will meet the MCL as rapidly as possible. As of August 25, 2022, the SCWA has not applied for a one-year deferral extension for PFOA and PFOS. Treatment has been installed at impacted wells and are currently meeting or surpassing all federal and state standards. SCWA applied for a final one-year extension for 1,4-dioxane that expired August 25, 2023. Since then we have completed the requirements for the deferral and are in compliance with the MCL for PFOA,PFOS, and 1,4 Dioxane.





2023 Nitrosamine Test Results for Distribution Area 12*

One well in Distribution Area 12 has 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 classififed 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 2023 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	2.7	ND	11

^{*} Please see map on pages 2 and 3 for the location of Distribution Area 12

2023 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 2023.