



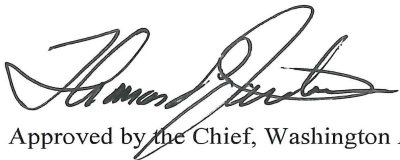
Washington Aqueduct

U.S. ARMY Corps of Engineers

Annual Report of Water Analysis 2017

Prepared by:

Water Quality Laboratory
Plant Operations Branch
Washington Aqueduct
5900 MacArthur Boulevard, NW
Washington, D.C. 20016-2514

 April 25, 2018
Approved by the Chief, Washington Aqueduct





WASHINGTON AQUEDUCT, US ARMY CORPS OF ENGINEERS

ANNUAL REPORT OF WATER ANALYSIS (2017)

Potomac River Raw Water Supply

	Miscellaneous Physical Parameters										Inorganic Ions									Microorganisms					
	pH	ALKALINITY	CONDUCTIVITY	DISSOLVED SOLIDS	SUSPENDED SOLIDS	TOTAL SOLIDS	TEMPERATURE	TOTAL HARDNESS	TOTAL ORGANIC CARBON	TURBIDITY	TOTAL AMMONIA - N	BROMIDE	CHLORIDE	FLUORIDE	NITRATE - N	NITRITE - N	ORTHOPHOSPHATE - PO4	PERCHLORATE	SULFATE	TOTAL COLIFORM	E. COLI	GIARDIA <i>Great Falls Intake</i>	CRYPTOSPORIDIUM <i>Great Falls Intake</i>	GIARDIA <i>Little Falls Intake</i>	CRYPTOSPORIDIUM <i>Little Falls Intake</i>
		ppm	uS/cm	ppm	ppm	ppm	°F	ppm	ppm	NTU	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	MPN/100mL	MPN/100mL	cysts/L	Oocysts/L	cysts/L	Oocysts/L
Jan	7.7	65	335	171	4	175	45	119	3.0	14	ND	0.07	37	ND	1.6	ND	ND	0.4	32	9946	223	0.84	0.09	0.88	0.10
Feb	7.7	68	296	197	22	219	48	110	2.4	8	ND	0.05	29	ND	1.8	ND	ND	0.3	32	2234	20	0.56	0.19	0.37	ND
Mar	8.0	69	322	194	4	198	53	113	2.5	6	ND	ND	33	ND	1.3	ND	ND	0.3	27	3952	116	0.29	ND	0.57	ND
Apr	7.6	66	271	142	29	171	61	100	3.4	15	ND	ND	26	ND	1.3	ND	ND	0.3	23	1733	52	ND	ND	0.67	ND
May	7.7	65	242	134	41	175	64	97	3.6	16	ND	ND	18	ND	1.2	ND	ND	ND	22	7620	123	0.14	0.28	1.02	0.09
Jun	8.0	90	318	182	5	187	76	129	2.6	6	ND	ND	26	ND	1.3	ND	ND	0.3	31	21172	1934	ND	ND	0.09	ND
Jul	7.9	99	364	224	ND	224	82	142	3.5	5	ND	ND	29	0.12	1.4	ND	ND	0.4	35	8199	26	ND	ND	0.09	ND
Aug	8.0	87	321	171	9	180	78	121	3.4	6	ND	0.04	28	0.11	1.2	ND	ND	0.3	31	13158	56	0.10	ND	ND	ND
Sep	8.0	103	397	246	4	250	73	151	2.8	4	ND	0.05	36	0.13	1.0	ND	ND	0.6	44	8946	40	ND	ND	0.19	ND
Oct	8.0	119	444	258	1	259	67	169	3.2	4	ND	0.06	40	0.14	0.9	ND	ND	0.4	53	2967	87	ND	ND	0.20	0.20
Nov	7.8	90	341	170	2	172	49	132	3.4	6	ND	0.06	29	0.10	1.5	ND	ND	0.4	37	3026	230	0.10	ND	0.10	ND
Dec	8.1	112	409	234	1	235	41	155	2.4	4	ND	0.06	34	0.12	1.5	ND	ND	0.5	41	3012	5	0.20	ND	ND	ND

	Metals																								
	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM	COBALT	COPPER	IRON	LEAD	LITHIUM	MAGNESIUM	MANGANESE	MOLYBDENUM	NICKEL	SELENIUM	SILVER	SODIUM	STRONTIUM	THALLIUM	THORIUM	URANIUM	ZINC
	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Jan	331	ND	ND	35	ND	ND	36	ND	ND	1.9	95	ND	2.4	7	29	0.7	1.2	ND	ND	17	188	ND	ND	0.2	3.1
Feb	268	ND	ND	34	ND	ND	35	ND	0.3	1.7	229	0.3	1.9	6	42	0.5	1.5	ND	ND	16	120	ND	ND	ND	3.2
Mar	394	ND	ND	36	ND	ND	36	ND	ND	1.6	124	ND	2.2	6	36	0.6	1.2	ND	ND	20	163	ND	ND	0.2	3.4
Apr	559	0.2	ND	41	ND	ND	33	ND	0.8	2.4	847	1.1	2.2	5	92	0.4	2.3	ND	ND	15	105	ND	ND	ND	5.6
May	438	ND	ND	42	ND	ND	31	ND	0.7	4.9	767	1.0	2.5	5	84	0.4	1.9	ND	ND	11	122	ND	ND	ND	4.8
Jun	227	ND	ND	41	ND	ND	39	ND	0.3	3.5	339	0.6	2.1	8	41	0.5	1.5	ND	ND	14	142	ND	ND	0.2	2.8
Jul	95	ND	ND	45	ND	ND	42	ND	ND	3.7	79	ND	2.4	9	28	0.8	1.3	ND	ND	17	188	ND	ND	0.2	1.2
Aug	679	ND	0.4	50	ND	ND	37	ND	0.8	2.6	1015	1.3	2.6	7	89	0.5	2.4	ND	ND	15	126	ND	0.6	ND	5.2
Sep	109	ND	0.3	43	ND	ND	45	ND	ND	4.8	154	0.2	3.5	10	18	1.0	1.4	ND	ND	20	207	ND	ND	0.3	1.4
Oct	72	ND	0.3	48	ND	ND	49	ND	ND	2.3	50	ND	4.1	11	11	1.4	1.4	ND	ND	22	261	ND	0.5	0.4	1.3
Nov	735	ND	ND	56	ND	ND	41	ND	1.0	3.6	1270	1.6	3.8	7	116	0.5	2.7	ND	ND	16	172	ND	0.7	0.3	7.5
Dec	160	ND	0.3	38	ND	ND	48	ND	ND	10	175	0.6	2.5	9	39	0.7	1.1	ND	ND	19	194	ND	ND	0.2	3.0



*EPA MCL = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters



WASHINGTON AQUEDUCT, US ARMY CORPS OF ENGINEERS
ANNUAL REPORT OF WATER ANALYSIS (2017)

EPA MCL*	Miscellaneous Physical Parameters										Microorganisms			Haloacetic Acids (HAAs)							Trihalomethanes (THMs)				Volatile Organic Compounds (VOCs)																									
	pH	ALKALINITY	CONDUCTIVITY	TEMPERATURE	CHLORINE	TOTAL HARDNESS	TOTAL ORGANIC CARBON	TOTAL DISSOLVED SOLIDS	TOTAL SUSPENDED SOLIDS	TURBIDITY (Average)*	TOTAL COLIFORM (% positive)	E. COLI (% positive)	HETEROTROPHIC PLATE COUNT	DIBROMOACETIC ACID	DICHLOROACETIC ACID	MONOBROMOACETIC ACID	MONOCHLOROACETIC ACID	TRICHLOROACETIC ACID	TOTAL HALOACETIC ACIDS	BROMOCHLOROACETIC ACID	CHLOROFORM	BROMODICHLOROMETHANE	CHLORODIBROMOMETHANE	BROMOFORM	TOTAL TRIHALOMETHANES	BENZENE	BROMOBENZENE	BROMOCHLOROMETHANE	BROMOMETHANE	tert-BUTYLBENZENE	sec-BUTYLBENZENE	n-BUTYLBENZENE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROETHANE	CHLOROMETHANE	2-CHLOROTOLUENE	4-CHLOROTOLUENE	DIBROMOMETHANE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE									
Units		ppm	uS/cm	°F	ppm	ppm	ppm	ppm	ppm	NTU	%+	%+	CFU/ml	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	75			
Dalecarlia Water Treatment Plant Finished Water																																																		
Jan	7.7	63	376	45	3.8	129	1.8	192	2	0.03	0.0	0.0	<1	---	---	---	---	---	---	---	7.4	8.6	4.2	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Feb	7.7	64	329	47	3.7	119	1.7	223	3	0.03	0.0	0.0	<1	ND	7.6	ND	1.1	6.3	15	2.9	8.5	7.5	2.6	ND	19	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Mar	7.7	67	365	51	3.5	119	2.0	198	ND	0.04	0.0	0.0	<1	---	---	---	---	---	---	---	25.3	7.9	1.1	ND	34	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Apr	7.7	64	315	62	3.4	106	1.8	166	ND	0.04	0.0	0.0	<1	---	---	---	---	---	---	---	23.6	9.9	2.2	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
May	7.7	62	289	66	3.7	104	1.9	166	ND	0.04	0.0	0.0	<1	ND	11.6	ND	2.6	11.7	26	2.7	18.6	8.6	1.5	ND	29	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Jun	7.7	85	360	77	3.6	136	1.8	219	ND	0.04	0.0	0.0	<1	---	---	---	---	---	---	---	26.6	11.8	3.3	ND	42	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Jul	7.7	91	406	82	3.7	152	2.2	278	ND	0.04	0.8	0.0	1	---	---	---	---	---	---	---	45.2	16.0	3.7	ND	65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Aug	7.7	79	369	78	3.7	131	2.3	217	ND	0.04	0.0	0.0	1	ND	19.7	ND	2.0	20.8	43	4.8	24.6	14.0	4.3	ND	43	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Sep	7.7	95	429	74	3.8	148	2.0	268	4	0.04	0.0	0.0	2	---	---	---	---	---	---	---	30.6	14.1	3.1	ND	48	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Oct	7.7	111	472	68	3.8	171	2.2	289	ND	0.04	0.0	0.0	1	---	---	---	---	---	---	---	26.2	19.1	6.9	ND	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nov	7.7	88	390	52	3.8	140	2.1	190	ND	0.04	0.0	0.0	<1	ND	10.4	ND	1.0	11.6	23	4.1	12.2	9.4	3.1	ND	25	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Dec	7.7	102	437	43	3.7	157	1.7	250	ND	0.03	0.0	0.0	<1	---	---	---	---	---	---	---	6.0	7.2	3.2	ND	16	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
McMillan Water Treatment Plant Finished Water																																																		
Jan	7.7	63	378	49	3.7	122	2.6	211	ND	0.01	0.0	0.0	20	---	---	---	---	---	---	---	7.1	8.7	4.8	ND	21	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
Feb	7.7	56	329	50	3.7	108	2.0	213	2	0.01	0.0	0.0	6	1.0	7.4	ND	ND	5.6	14	3.7	7.9	8.4	3.9	ND	20	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Mar	7.7	59	345	53	3.5	111	1.7	207	1	0.02	0.0	0.0	9	---	---	---	---	---	---	---	10.6	7.9	2.6	ND	21	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Apr	7.7	52	300	63	3.3	95	1.7	161	1	0.03	0.0	0.0	3	---	---	---	---	---	---	---	24.1	8.7	1.6	ND	34	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
May	7.7	52	283	66	3.8	96	1.8	162	1	0.03	0.0	0.0	1	ND	12.1	ND	2.2	13.5	28	2.6	24.5	8.7	1.5	ND	35	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jun	7.7	70	329	74	3.7	119	1.8	200	ND	0.03	0.0	0.0	1	---	---	---	---	---	---	---	29.5	12.8	3.4	ND	46	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Jul	7.7	82	390	80	3.7	138	2.0	237	ND	0.04	0.0	0.0	3	---	---	---	---	---	---	---	53.5	17.4	4.5	ND	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aug	7.7	69	362	78	3.7	121	2.1	209	ND	0.03	0.0	0.0	3	1.4	19.9	ND	1.8	20.8	44	6.8	36.1	15.2	4.5	ND	56	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Sep	7.7	85	410	74	3.7	143	1.8	256	3	0.03	0.0	0.0	3	---	---	---	---	---	---	---	20.4	16.7	9.0	1.2	47	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oct	7.7	101	456	70	3.7	165	1.8	277	ND	0.03	0.0	0.0	3	---	---	---	---	---	---	---	27.5	19.1	7.5	ND	54	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
Nov	7.7	98	463	64	3.5	167	---	---	---	0.02	0.0	0.0	18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dec	7.9	---	---	---	3.8	---	---	---	---	0.01	0.0	0.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



*EPA MCL = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters
ppb = Parts Per Billion
ND = Not Detected
"---" = No Analysis Required

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ANNUAL REPORT OF WATER ANALYSIS (2017)

EPA MCL*	Synthetic Organic Compounds																																																					
	ACENAPHTHENE	ACENAPHTHYLENE	ACETOCHLOR	ACIFLOURFEN	ALACHLOR	ALDICARB	ALDICARB SULFONE	ALDICARB SULFOXIDE	ALDRIN	ANTHRACENE	AROCHLOR 1016 (PCBs)	AROCHLOR 1221 (PCBs)	AROCHLOR 1232 (PCBs)	AROCHLOR 1242 (PCBs)	AROCHLOR 1248 (PCBs)	AROCHLOR 1254 (PCBs)	AROCHLOR 1260 (PCBs)	TOTAL PCBs	ATRAZINE	BAYGON	BENTAZON	BENZ(a)ANTHRACENE	BENZO(b)FLUORANTHENE	BENZO(g,h,i)PERYLENE	BENZO(a)PYRENE	BENZO(K)FLUORATHENE	alpha-BHC	beta-BHC	delta-BHC	BROMACIL	BUTACHLOR	BUTYLBENZYLPHTHALATE	CAFFEINE	CARBARYL	CARBOFURAN	alpha-CHLORDANE	gamma-CHLORDANE	CHLORDANE	CHLORPYRIFOS (DURSBAN)	CHLOROBENZILATE	CHLORONEB	CHLOROTHALONIL	CHRYSENE	2,4-D	DALAPON									
					2													0.5	3						0.2										40			2							70	200								
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb							
Dalecarlia Water Treatment Plant Finished Water																																																						
Jan	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Feb	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
Mar	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Apr	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
May	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Jun	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.09	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	ND	ND	ND	ND			
Aug	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Sep	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Oct	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Nov	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Dec	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	ND	ND	ND	---	---	---	---		
McMillan Water Treatment Plant Finished Water																																																						
Jan	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Feb	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
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Jul	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
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*EPA MCL = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters ppb = Parts Per Billion ND = Not Detected "----" = No Analysis Required



WASHINGTON AQUEDUCT, US ARMY CORPS OF ENGINEERS
ANNUAL REPORT OF WATER ANALYSIS (2017)

EPA MCL*	Synthetic Organic Compounds																			Miscellaneous				Nitrosamines						Radionuclides							
	METOLACHLOR	METRIBUZIN	MOLINATE	trans-NONACHLOR	OXAMYL	PARAQUAT	PARATHION	PENDIMETHALIN	PERMETHRIN	PENTACHLOROPHENOL	PHENANTHRENE	PICLORAM	PROPACHLOR	PYRENE	SIMAZINE	TERBACIL	TERBUTHYLAZINE	THIOBENCARB	TRIFLURALIN	TOXAPHENE	2,4,5-T	2,4,5-TP (SILVEX)	DIBROMOCHLOROPROPANE (DBCP)	ETHELYNE DIBROMIDE (EDB)	CYANIDE	2,3,7,8-TCDD (DIOXIN)	N-NITROSODIMETHYLAMINE (NDMA)	N-NITROSO-n-PROPYLAMINE (NDPA)	N-NITROSODIBUTYLAMINE (NDBA)	N-NITROSODIETHYLAMINE (NDEA)	N-NITROSOMETHYLETHYLAMINE (NMEA)	N-NITROSOPYROLIDINE (NPYR)	GROSS ALPHA PARTICLE ACTIVITY	GROSS BETA PARTICLE ACTIVITY	RADIUM-226 & RADIUM-228	STRONTIUM-90	TRITIUM
					200					1		500				4					3		50	200	50	0.2	30							15	50**	5	
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppt	ppt	ppm	ppq	ppt	ppt	ppt	ppt	ppt	ppt	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L

Dalecarlia Water Treatment Plant Finished Water

Jan	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	
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McMillan Water Treatment Plant Finished Water

Jan	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	
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Apr	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	ND	2.7	ND	ND	ND	ND	ND	ND	ND	
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Jul	0.08	ND	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	
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EPA MCL* = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters

** The MCL for beta and photon emitters is 4 mrem/year and EPA considers 50 pCi/L to be the level of concern for beta/photon emitters.

ppm = Parts Per Million (mg/L)

pCi/L = Picocuries Per Liter

ppb = Parts Per Billion (µg/L)

ND = Not Detected

ppt = Parts Per Trillion (ng/L)

"---" = No Analysis Required

ppq = Parts Per Quadrillion (pg/L)