

### **Washington Aqueduct**

# **U.S. ARMY Corps of Engineers**

# **Annual Report of Water Analysis** 2005

Prepared by:

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







Potomac River Raw Water Supply

	Miscellaneous Physical Parameters																									
							Inorg	anic lo	ns						Micro	organisms										
	Н	ALKALINITY	CONDUCTIVITY	DISSOLVED SOLIDS	SUSPENDED SOLIDS	TEMPERATURE	TOTAL HARDNESS	TOTAL ORG. CARBON	TOTAL SOLIDS	TURBIDITY	TOTAL AMMONIA	BROMIDE	CHLORIDE	FLUORIDE	IODIDE	NITRATE	NITRITE	ORTHOPHOSPHATE as PO4	PERCHLORATE	SULFATE	ALGAE COUNT	TOTAL COLIFORM	E. COLI	GIARDIA	CRYPTOSPORIDIUM	VIRUS
		ppm	uS/cm	ppm	ppm	F	ppm	ppm	ppm	NTU	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppb	ppm	org/mL	MPN/100mL	MPN/100mL	cysts/10L	oocysts/100L	MPN/100L
Jan	7.8	67	259	174	6	44	102	2.12	180	18	ND	ND	13	0.09	ND	1.88	0.03	0.24	1.4	28	116	2669	168	ND	ND	
Feb	8.0	75	344	174	13	45	114	2.12	187	5	ND	0.03	40	0.10		3.00	0.02	0.17	ND	29	104	2008	30	ND	ND	118.4
Mar	8.3	67	346	150	5	45	98	2.26	155	23	ND	ND	27	0.12		1.90	ND	ND	ND	26	381	4382	185	ND	ND	
Apr	7.8		236	190	7	60	99	2.87	197	28	ND	ND	21	0.09	4.8	2.19	ND	ND	ND	24	636	1970	146	ND	ND	
May	7.9		305	112	6	66	116	2.61	118	11	ND	ND	21			1.68		0.18		26	345	6160		ND	ND	62.5
Jun	7.8		315	220	2	79	126	2.63	222	10	ND	ND	21			1.41	ND	ND	ND	33		11258	897	ND	ND	
Jul	7.6		319	168	6	82	114	4.21	174	15	ND	ND	20		7.1	2.10		0.33	ND	24	656	10395	39	ND	ND	
Aug	7.9	110	351	227	5	84	136	2.88	232	6	ND	ND	23			0.84	ND	0.22	ND	41	622	5795	29	0.1	ND	
Sep	7.9		388	256	1	79	145	3.10	257	6	ND	0.04	27			0.86		0.24	ND	47				ND	ND	
Oct	7.8		371	242	8	66	137	3.24	250	9	ND	ND	28		6.8		0.02		_	62		4493		ND	1.5	
Nov	7.9			195	3	55	140	2.94	198		ND	ND				1.73		0.09		41	160	2492		ND	ND	37.9
Dec	7.7		323	183	7	47	103	3.71	190	18	ND	ND		_		2.78		0.15	ND	26		10050	150	ND	ND	
Avg	7.9		329	191	6	63	119	2.89		13	ND	ND			6.2			0.17	ND	34		5618		ND	ND	58.7
Max	8.3		389	256	13	84	145	4.21	257	28	ND	0.04	40		7.1			0.33	1.5	62		11258		0.1	1.5	
Min	7.6	65	236	112	1	44	98	2.12	118	5	ND	ND	13	0.09	4.8	0.84	ND	ND	ND	24	104	1970	29	ND	ND	15.8

																	Met	als											
		ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	САБМІИМ	CALCIUM	CHROMIUM	COBALT	COPPER	IRON	LEAD	LITHIUM	MAGNESIUM	MANGANESE	MERCURY	MOLYBDENUM	NICKEL	POTASSIUM	SELENIUM	SILVER	SODIUM	STRONTIUM	THALLIUM	THORIUM	URANIUM	VANADIUM	ZINC
	p	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Ja	_	261	ND	ND	33.0	ND	ND	30	ND	ND	4.0	162	0.6	2.0	7	51	ND		1.0	2.5	ND	ND	12.0	142	ND	ND	ND	ND	3.0
Fe	_	306	ND	ND	34.0	ND		33	ND	ND	3.0	115	0.5	2.0	8	38	ND	0.9	1.0		ND	ND		157	ND	ND	ND	ND	2.1
M	_	186	ND	ND	38.0	ND		28	ND	ND	5.0	124	ND	2.0	7	42	ND		2.7		ND	ND		147	ND	ND	ND	ND	2.9
Αı		1071	ND	0.6	47.0	ND	ND	29	1.3	1.5	6.0	1626	2.8	3.0	6	90	ND	ND	3.7	2.5	ND	ND	13.0	78	ND	ND	ND	2.1	10.2
M	-	218	ND	ND	35.0	ND	ND	34	ND	ND	3.0	208	ND	2.0	8	47	ND	0.5	2.2		ND	ND		151	ND	ND	ND	0.6	3.0
Jι	. —	265	ND	ND	42.0	ND		38	ND	ND	3.0	251	ND	2.0	8	108			1.2		ND	ND		162	ND	ND	ND	0.9	2.4
Jι	_	358	ND	0.6	40.0	ND	ND	33	0.7	0.5	4.0	367	0.6	2.0	8	306			1.8	3.2	ND	ND	12.0	155	ND	ND	ND	1.7	3.6
Αι	_	190	ND	0.9	42.0	ND	ND		ND	ND	4.0	72	ND	2.0	10	162			1.9		0.5	ND		213	ND	ND	ND	1.7	3.6
Se		170	ND	0.8	42.0	ND	ND	39	ND	ND	5.0	122	0.5	3.0	12	135		1.9	4.1		0.6	ND		237	ND	ND	ND	1.5	3.0
0	_	267	ND	0.8	46.0	ND		38	0.5	ND	5.0		ND	4.0	10	47	ND	2.8	1.7	4.4	0.6	ND	19.0	263	ND	ND	ND	1.2	1.9
No		209	ND	0.5	40.0	ND		41	ND	ND	4.0	113	0.8	2.0	9	46	ND		1.1		0.5	ND		199	ND	ND	ND	0.9	2.6
De	=	1192	ND	0.7	43.0	ND	ND	30	1.7	1.2	5.0	1520	2.0	2.0	7	82	ND	ND	2.7		ND	ND		139	ND	ND	ND	3.4	8.2
A۱	_	391	ND	ND	40.2	ND	ND	34	ND	ND	4.3	396	0.6	1.9	8	96			2.1	3.2	ND	ND	14.0	170	ND	ND	ND	1.2	3.9
M		1192	ND	0.9	47.0	ND		41	1.7	1.5	6.0	1626	2.8	4.0	12	306	ND	_	4.1	4.4	0.6	ND	19.0	263	ND	ND	ND	3.4	10.2
M	in	170	ND	ND	33.0	ND	ND	28	ND	ND	3.0	70	ND	2.0	6	38	ND	ND	1.0	2.5	ND	ND	12.0	78	ND	ND	ND	ND	1.9

ppb = Parts Per Billion

ppm = Parts Per Million

ND = Not Detected



					norgar	nic lons	;																	Meta	ıls													
ЕРА	TOTAL AMMONIA	ВВОМІDЕ	CHLORIDE	FLUORIDE	IODIDE	NITRATE	NITRITE	ORTHOPHOSPHATE as PO4	PERCHLORATE	SULFATE	АLUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	САБМІИМ	CALCIUM	CHROMIUM	COBALT	COPPER	RON	LEAD	LITHIUM	MAGNESIUM	MANGANESE	MERCURY	MOLYBDENUM	NICKEL	POTASSIUM	SELENIUM	SILVER	MUIGOS	STRONTIUM	THALLIUM	THORIUM	URANIUM	VANADIUM	ZINC
MCL*				4		10	1					6	50	2000	4	5		100								2				50				2				
	Dalas	li- \	V-4	T41		Diamt I	Tiniah	1 \M	4																													
	ppm	ppm ppm	ppm	ppm	ppb	ppm	ppm	ed Wa	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Jan	0.97	ND	19	0.73	ND	1.86			ND	46	26	ND	ND	35	ND	ND	36	ND	ND	4.0	ND	ND	ND	7	ND	ND	0.6	1.0	2.0	ND	ND	9.6	152	ND	ND	ND	ND	2.0
Feb	0.96	ND	45			3.03			ND	41	30	ND	ND	35	ND	ND	38	0.6	ND	2.0	ND	ND		8	0.6	ND	0.7	1.0		ND	ND		155	ND	ND	ND	ND	1.0
Mar	0.91	ND	32	0.81		1.80	ND	3.20	ND	38	22	ND	ND	36	ND	ND	34	ND	ND	5.0	ND	ND	1.0	7	0.5	ND	0.7	1.0		ND	ND		149	ND	ND	ND	ND	1.0
Apr	0.93	ND	24	0.81	5.5	2.19	ND	3.16	ND	36	61	ND	ND	34	ND	ND	35	0.5	ND	3.0	34.8	ND	2.0	7	1.0	ND	ND	1.0	2.5	ND	ND	13.0	112	ND	ND	ND	ND	2.0
May	0.89	ND	24	0.84		1.66	ND	3.19	ND	39	68	ND	ND	35	ND	ND	41	ND	ND	3.0	30.0	ND	2.0	8	1.0	ND	0.5	1.0		ND	ND		157	ND	ND	ND	ND	2.0
Jun	1.09		26			1.44			ND	47	37		ND	38	ND	ND	44				ND				1.0	ND		1.0		ND	ND		160		ND	ND	ND	1.0
Jul	0.94		25 28		8.1	2.15			ND	39	62		0.5	44	ND	ND	42 45			5.0 2.0	12.9		3.0		1.0	ND	1.4	1.0	3.5	ND	ND ND	13.0	191	ND	ND	ND	ND ND	2.0 ND
Aug Sep	1.00		31			0.83			ND ND	37 63	68 85	ND ND	ND 0.5	36 41	ND ND	ND ND	45				ND ND		2.0 3.0			ND ND	1.5 2.0	1.0		0.6	ND		205 245	ND ND	ND ND	ND ND	ND	1.0
Oct	1.07		33		8.8	2.20			ND	62	76	ND	0.6	46	ND	ND	45		ND		ND			12	2.0	ND	2.8	1.0	4.5	0.8	ND	19.0	272	ND	ND	ND	ND	2.0
Nov	0.92	ND	32			1.77			1.1	55	24	ND	ND	38	ND	ND	46	0.6	ND	3.0	ND	ND		10	1.0	ND	1.0	1.0		0.6	ND		209	ND	ND	ND	ND	2.0
Dec	0.95	ND	42	0.83		2.76	ND	3.16	ND	42	33	ND	ND	33	ND	ND	38	ND	ND	11.0	ND	ND	2.0	8	1.0	ND	1.0	1.0		ND	ND		164	ND	ND	ND	ND	6.0
Avg	0.98	ND	30	0.87	5.6	1.88	ND	3.20	ND	45	49	ND	ND	38	ND	ND	41	ND	ND	4.2	ND	ND	2.0	9	1.8	ND	1.1	1.0	3.1	ND	ND	13.7	181	ND	ND	ND	ND	1.8
Max	1.09	_	45		8.8	3.03			1.1	63	85	ND	0.6	46	ND	ND	46	0.8	ND	-	34.8	ND	4.0	12	11.0	ND	2.8	1.0	4.5	0.8	ND	19.0	272	ND	ND	ND	ND	6.0
Min	0.89	ND	19	0.69	ND	0.82	ND	3.08	ND	36	22	ND	ND	33	ND	ND	34	ND	ND	2.0	ND	ND	ND	7	ND	ND	ND	1.0	2.0	ND	ND	9.6	112	ND	ND	ND	ND	ND
	Mani	II a. a. 14/	-4-" T		4 D	lant F	ا ما ما ما	-d \A/-4																														
Jan	0.91	ND	23		ND			d Wat		40	25	ND	ND	32	ND	ND	33	ND	ND	4.0	ND	ND	ND	7	ND	ND	0.7	1.0	2.2	ND	ND	8.0	380	ND	ND	ND	ND	8.0
Feb	0.91	ND	40			3.00			ND	42	31	ND	ND	33	ND	ND ND	36				ND				ND	ND	0.7	1.0		ND	ND		138	ND	ND	ND	ND	1.0
Mar	0.88		40			3.00			ND	42	15	ND	ND	32	ND	ND	33	ND			ND			7	ND	ND	0.6	1.0		ND	ND		136	ND	ND	ND	ND	1.0
Apr	0.89	ND	23		4.1	1.97			ND	36	23	ND	ND	32	ND	ND	30	ND		6.0	ND	ND	2.0	6	ND	ND	ND	1.0	2.2	ND	ND	12.0	112	ND	ND	ND	ND	2.0
May	0.89	ND	27	0.79		1.71	ND	3.16	ND	40	35	ND	ND	35	ND	ND	28	ND	ND	8.0	ND	ND	1.0	8	0.7	ND	0.6	1.0		ND	ND		147	ND	ND	ND	ND	3.0
Jun	0.97	ND	27	0.87		1.45	ND	3.14	ND	44	40	ND	ND	40	ND	ND	39	ND	ND	6.0	24.1	ND	2.0	8	3.0	ND	8.0	1.0		ND	ND		161	ND	ND	ND	ND	2.0
Jul	0.92				8.9	0.87				51	56	ND	ND	48	ND	ND	38	0.5			ND				1.0	ND	1.5	1.0	4.0	ND	ND		236	ND	ND	ND	ND	2.0
Aug	1.01	ND				1.10			ND	56	51		ND	37		ND	42				11.1	1.0	2.0			ND		ND		ND	ND		179		ND	ND	ND	ND
Sep	1.07					1.06			ND ND	58 57	82 65	ND ND	ND 0.5	39 47	ND ND	ND	43 43		ND ND	11.0	ND ND			12 12		ND ND	2.0	1.0	4.8	0.5 0.7	ND ND	18.0	229 274	ND ND	ND	ND	ND ND	2.0
Oct Nov	1.07 0.91	ND ND	33		9.1	1.42			1.1	57 55	65 44	ND ND	0.5 ND	36	ND ND	ND ND	43			15.0 17.0	ND ND					ND ND	2.0 1.0	1.0	4.8	0.7 ND	ND ND	18.0	177		ND ND	ND ND	ND ND	1.0 2.0
Dec	0.91	ND	27			2.08			0.9	50	24	ND	ND	32		ND	36			7.0	ND			8		ND	1.0	1.0		ND	ND		177		ND	ND	ND	2.0
Avg	0.95		30		5.5	1.83			ND	48	41	ND	ND	37	ND	ND	37	ND		7.7	ND	ND		9	4.2	ND	1.0	1.0	3.3	ND	ND	12.5	196	_	ND	ND	ND	2.1
Max	1.07	ND	40	0.99	9.1	3.00			1.1	58	82	ND	0.5	48	ND	ND	43	1.0	ND	17.0	24.1	1.0		12	22.0	ND	2.0	1.0	4.8	0.7	ND	18.0	380	ND	ND	ND	ND	8.0
Min	0.88	ND	23	0.71	ND	0.87	ND	2.92	ND	36	15	ND	ND	32	ND	ND	28	ND	ND	1.0	ND	ND	ND	6	ND	ND	ND	ND	2.2	ND	ND	8.0	112	ND	ND	ND	ND	ND
*EPA N	ICL = Envi	ironment	al Protec	tion Age	ncv's M	aximum (	Contamir	nant Level	for requ	lated pa	rameters.							ppb = Pa	arts Per	Rillion			nnm = P	arts Per	Million				ND = No	t Detecte	ed			"" = No	Analys	is Requir	red	

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

ppm = Parts Per Million

ND = Not Detected



			Misc	ellane	ous P	hysica	I Param	eters			N	/licro	organis	ms		Haloa	cetic	Acids	(HAAs	s)	Т	rihalon	nethane	s (THI	Ms)					١	/olatil	e Orga	nic C	ompou	ınds (	VOCs)		1			_
<b>FPA</b>	H	ALKALINITY	CONDUCTIVITY	TEMPERATURE	TOTAL CHLORINE	TOTAL HARDNESS	TOTAL ORG. CARBON	TOTAL DISSOLVED SOLIDS	TOTAL SUSPENDED SOLIDS	TURBIDITY (Average)*	TOTAL COLIFORM (% positive)	E. COLI (% positive)	ALGAE COUNT	HETEROTROPHIC PLATE COUNT	DIBROMOACETIC ACID	DICHLOROACETIC ACID	MONOBROMOACETIC ACID	MONOCHLOROACETIC ACID	TRICHLOROACETIC ACID	TOTAL HALOACETIC ACIDS	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	ו,4יטוסחטחטחטןן,1
MCL*					4.0				11	0.3	1									60		1	ı		80	5							5	100				1		7	75
	Dale	carlia	a Wate	er Tre	eatme	ent Pl	ant Fi	nishe	ed Wa	iter																															
	_ 4.0	ppm	uS/cm	F	ppm	ppm	ppm	ppm	ppm	NTU	%+	%+	Org/mL	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 p	pb
Jan	7.7	66	298	44	3.8	119	1.33	183	2	0.04	0	0	0	1	ND	7.6	ND	ND	7.6	15.2	8.9	3.6	0.6	ND	13.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Feb	7.7	72	374	45	3.8	128	1.18	196	ND	0.05	0	0	8	<1							5.5	3.8	1.1	ND	10.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Mar	7.7	60	357	45	3.7	113	1.30	168	2	0.05	0	0	3	<1							6.8	1	1.4		13.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Apr	7.7	67	306	60	3.7	115	1.38			0.05	0	0	10	<1	ND	11.8	ND	ND	9.9	21.7	12.2		ND		14.8		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
May	7.7	82	351	66	3.7	135	1.45			0.06	0	0	0	<1							19.1	1			27.7		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Jun Jul	7.7	96 87	376 369	79 82	3.7 3.7	146 140	1.66 2.26	243 218	ND 4	0.06	0	0	5	<1 <1	ND	18.6	ND	ND	18.9	37.5	23.9 40.2		1.0 1.9		32.3 53.9	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	7.7	105	406	84	3.7	156	1.81	261	1	0.06	0	0	37	2							33.4	1	2.2		47.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Sep	7.7	112	432	79	3.7	154	1.82		1	0.05	0	0	8	6							32.7		2.7		48.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Oct	7.7	112	413	66	3.8	152	2.46	279	1	0.05	0	0	0	35	ND	26.4	ND	ND	29.3	55.7	42.1	9.5	0.8	ND	52.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Nov	7.7	98	420	56	3.8	156	1.97	218	2	0.06	0	0	0	8							20.9	6.9	0.8	ND	28.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Dec	7.7	70	373	47	3.7	128	1.77		ND	0.05		0	0	2							16.9				23.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Avg	7.7	86	373	63	3.7	137	1.70	219	2	0.05	0	0	6	5	ND	16.1	ND				21.9		1.2		30.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Max Min	7.7	112	432 298	84 44	3.8	156	2.46	279	5 ND	0.06	0	0	37 0	35 <1		26.4 7.6	ND ND		29.3 7.6		42.1 5.5		2.7 ND		53.9	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
IVIIII	1.1	60	290	44	3.7	113	1.18	168	ND	0.04	·l ol	U	U	<1	ND	7.0	ND	ND	7.0	15.2	5.5	2.0	ND	ND	10.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	עא	ND	ND	ND	ND	4D
	McN	illan	Water	Trea	atmei	nt Pla	nt Fin	isher	d Wat	er																															
Jan	7.7	58	286	40	3.8	111	2.34	158	1	0.05	0	0	0	< 1	ND	7.6	ND	ND	8.1	15.7	9.7	4.6	1.0	ND	15.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Feb	7.7	67	361	40	3.8	124	1.26		1	0.04	0	0	10	<1							6.2	1	1.2		11.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Mar	7.7	56	370	40	3.7	111	1.42	203	1	0.04	0	0	20	< 1							7.1	4.6	1.3	ND	13.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Apr	7.7	43	273	57	3.7	99	1.45	193	1	0.05	0	0	10	1	ND	12.7	ND	ND	12.0	24.7	13.1	5.1	0.9	ND	19.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
May	7.7	69	325	65	3.7	122	1.47	155		0.08	0	0	6	< 1							24.7		1.9	ND	35.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND
Jun	7.7	79	338	78	3.7	130	1.68			0.07	0	0	7	2							33.9		1.7		45.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Jul	7.7	75	373	84	3.8	131	1.98		24	0.08		0	7	3	ND	24.8	ND	ND			50.2		2.4	ND	66.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Aug	7.7	87 100	376 413	84 79	3.7	147 155	1.85	238 266	2	0.07	0	0	37 10	11 67							55.2 41.2		2.3 3.2	ND ND	71.3 58.3	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
Sep Oct	7.7	100	413	79 67	3.7	155	2.14			0.08	0	0	0	47	ND	20.7	ND		14.1		37.4	1	2.6	ND	58.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Nov	7.7	89	405	53	3.7	145	1.99	219	2	0.07	0	0	0	13							31.2		1.1	ND	41.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Dec	7.7	63	366	40	3.7	121	1.83		ND	0.05	0	0	0	<1							22.7				31.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Avg	7.7	74	360	61	3.7	129	1.78	210	3	0.06	0	0	9	12	ND	16.5	ND	ND	13.2	29.7	27.7	9.0	1.7	ND	38.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND
Max	7.7	100	432	84	3.8	155	2.34	266		0.08		0	37	67	ND	24.8			18.7		55.2		3.2	ND	71.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND
Min	7.7	43	273	40	3.7	99	1.26	155	ND	0.04	0	0	0	<1	ND	7.6	ND	ND	8.1	15.7	6.2	4.0	0.9	ND	11.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ND

 $<sup>^{\</sup>star}\text{EPA}$  MCL = Environmental Protection Agency's Maximum Contaminant Level for regulated parameters.

ppb = Parts Per Billion

ppm = Parts Per Million

ND = Not Detected

"---" = No Analysis Required

Turbidity\* = Water turbidity after filters



																		١	/olatil	e Org	anic (	Comp	ounds																Synth	netic O	rgani	c Com	pound	ds	$\neg$
																																							-		3				
	1,2-DICHLOROBENZENE	DICHLORODIFLUOROMETHANE	1,1-DICHLOROETHANE	1,2-DICHLOROETHANE	trans-1,2-DICHLOROETHYLENE	cis-1,2-DICHLOROETHYLENE	1,1-DICHLOROETHYLENE	1,3-DICHLOROPROPANE	2,2-DICHLOROPROPANE	1,2-DICHLOROPROPANE	trans-1,3-DICHLOROPROPENE	cis-1,3-DICHLOROPROPENE	1,1-DICHLOROPROPENE	ETHYLBENZENE	HEXACHLOROBUTADIENE	ISOPROPYLBENZENE	4-ISOPROPYLTOLUENE	METHYLENE CHLORIDE	METHYL TERT-BUTYL ETHER (MTBE)	NAPHTHALENE	NITROBENZENE	n-PROPYLBENZENE	STYRENE	1,1,1,2-TETRACHLOROETHANE	1,1,2,2-TETRACHLOROETHANE	TETRACHLOROETHYLENE	TOLUENE	1,2,3-TRICHLOROBENZENE	1,2,4-TRICHLOROBENZENE	1,1,1-TRICHLOROETHANE	1,1,2-TRICHLOROETHANE	TRICHLOROETHYLENE	TRICHLOROFLUOROMETHANE	1,2,3-TRICHLOROPROPANE	1,2,4-TRIMETHYLBENZENE	1,3,5-TRIMETHYLBENZENE	TOTAL XYLENES	VINYL CHLORIDE	ACENAPHTHYLENE	ACETOCHLOR	ALACHLOR	ALDICARB	ALDICARB SULFONE	ALDICARB SULFOXIDE	ALDRIN
EPA																																										$\perp \! \! \perp$	$\perp$	$\perp$	_
MCL*	600			5	100	70	7			5				700				5					100			5	1000		70	200	5	5					10,000	2			2	3	2	4	
	Dalec	arlia V	Vater		tmen																											1	1												
	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
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
Feb	ND	ND	1	ND	ND	ND	ND	ND			ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1		ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND						<del>-</del>	<del></del>	
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 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	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
Jun	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								
Jul	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 -	
Aug	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
Sep	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								
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
Nov	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						<u></u> -	
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	ND	ND	ND	ND	ND	ND	ND					<u></u>	<u>-</u>	_
Avg	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
Max	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
Min	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 N	ND
	McMi		1				_						1											1																		<del></del>	<del></del>	<del></del>	_
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
Feb	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						<del></del> +	=	_
Mar	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		1	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
Apr May	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
Jun	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								_
Jul	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
Aug	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							_
Sep	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							
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
Nov	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							
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	ND	ND	ND	ND	ND	ND	ND					<u></u>	<u></u>	
Avg	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
Max	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
Min	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

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

ppb = Parts Per Billion

ppm = Parts Per Million

ND = Not Detected



	<u>• ' '</u>																					1 OF							,																_
Date carlia Water Treatment Plant Finished Water    Date   Date		-							I	l	1	ı								I	Syr	thetic	Orga	nic Co	mpou	ınds			1		1		1	1								П			
Part	ANTHRACENE		AROCHLOR 1016	AROCHLOR 1221	AROCHLOR 1232	AROCHLOR 1242	AROCHLOR 1248	AROCHLOR 1254	AROCHLOR 1260	ATRAZINE	BAYGON	BENTAZON	BENZO(a)ANTHRACENE	BENZO(k) FLUORANTHENE	BENZO(g,h,I)PERYLENE	BENZO(a)PYRENE	alpha-BHC	beta-BHC	delta-BHC	BROMACIL	BUTACHLOR	BUTYLBENZYLPHTHALATE	CAFFEINE	CARBARYL	CARBOFURAN	alpha-CHLORDANE	gamma-CHLORDANE	CHLORDANE	CHLORTHALONIL	CHRYSENE	2,4-D	DALAPON	2,4-DB	DCPA MONO & DIACID DEGRADATE	ddd'q,q	4,4'DDE	p,p'DDE	TOO'q,q	DIBENZ(a,h)ANTHRACENE	DICAMBA	3,5-DICHLOROBENZOIC ACID	DICHLORPROP	DIELDRIN	DIETHYLPHTHALATE	
Part			0.5	0.5	0.5	0.5	0.5	0.5	0.5	3						0.2									40			2			70	200													
EMP   1806   1	<b>D</b> -											4				V. <u>-</u>												-				200													
NO						- 1							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	Г
	-	_		-+					1											1			1		1															1		-		ND	ľ
NO   NO   NO   NO   NO   NO   NO   NO																																													ľ
		-						-										_																											ĺ
	N	D I	ND	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ĺ						
		-																																											ı
NO   NO   NO   NO   NO   NO   NO   NO																																													Į
		-		ND	ND	ND	ND	ND	ND		ND	ND												ND	ND			ND			ND	ND	ND	ND			ND			ND	ND	ND			ł
MCMillan Water Treatment Plant Finished Water   MCMillan Water Treatment Pla	N	D I	ND							ND			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ND		ND	ND					ND	ND		ND	ND				ND	ND	ł
MCMillan Water Treatment Plant Finished Water   MCMillan Water Treatment Pla	<u> </u>	-   -																																											ŀ
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	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ŀ
NO ND																																													ĺ
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	İ						
No   No   No   No   No   No   No   No																																													ľ
ND N																																												ND	ĺ
ND N					_				. =																																				
NO																N.D.	ND	ND										ND		ND		ND.			ND			ND						ND	Γ
ND N	N	וע	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	ł						
ND N																																													ĺ
		_	ND	0.07	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	ĺ						
ND N		-																																											ĺ
		-						-														-																							ĺ
	N	D I	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							
		-																																											ļ
	<u></u>	-																																											ł
																																													Ì
ND ND ND ND ND ND ND ND 0.05 ND																																													
	_	_	-+	-											_					+			1			-									-+	-+	-	-		1	_				ļ
					ND		ND								ND	ND	ND		ND									ND		ND		1.35		ND	ND	ND	ND	ND						ND	1

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

ND ND ND ND ND ND ND

Min

ND ND ppb = Parts Per Billion

ND ND ND ND ND ND ND ND ND

ppm = Parts Per Million

ND ND ND ND ND ND ND ND ND ND

ND ND = Not Detected

ND ND

"---" = No Analysis Required

ND ND ND ND ND ND ND ND ND ND



	#															1	ANN	UAL	RE	POR	T OF	· WA	TER	ANA	LYS	IS (2	005)																
			1	1	1			1	1		1	1		1	1	1	1	1	1	Sy	ntheti	c Orga	anic Co	mpou	nds			ı			1			1									
EPA	di-(2-ЕТНҮLНЕХҮL)РНТНАLATE	DIMETHOATE	DIMETHYLPHTHALATE	DI-N-BUTYLPHTHALATE	2,6-DINITROTOLUENE	2,4-DINITROTOLUENE	DINOSEB	DIQUAT	ENDOTHALL	ENDRIN	EPTC	FLUORANTHENE	FLUORENE	GLYPHOSATE	HEPTACHLOR	HEPTACHLOR EPOXIDE	HEXACHLOROBENZENE	HEXACHLOROCYCLOPENTADIENE	3-HYDROXYCARBOFURAN	INDENO(1,2,3,c,d)PYRENE	ISOPHORONE	LINDANE	METHIOCARB	METHOMYL	METHOXYCHLOR	METOLACHLOR	METRIBUZIN	MOLINATE	trans-NONACHLOR	OXAMYL	PARAQUAT	PENTACHLOROPHENOL	PHENANTHRENE	PICLORAM	PROMETRYN	PROPACHLOR	PYRENE	SIMAZINE	TERBACIL	THIOBENCARB	TRIFLURALIN	TOXAPHENE	2,4,5-TP (SILVEX)
MCL*	6						7	20	100	2				700	0.4	0.2	1	50				0.2			40					200		1		500				4				3	50
	Del-	!!	:- \6/:	-4 7	F===+		. Die	4 F:	miak-	- ۱۸۷ لم	.4																																
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ed Wa	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
Jan	ND		1				ND	1							_	<b>—</b>										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	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND	ND
May																																											
Jun																					<u> </u>																						
Jul							ND	ND	ND					ND					ND				ND	ND						ND	ND			ND			ND		_ <del></del>			ND	ND
Aug	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		
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
Nov																																											
Dec																																				<b></b>							
Avg	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	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Max	ND	ND	ND	ND	ND	ND	ND			ND			ND				ND	ND	ND	ND			ND	ND	ND	0.86	ND	ND	ND	ND	ND		ND	ND	1				ND	ND	ND	ND	ND
Min	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
	McN	lillar	ր Wat	ter Tı	reatn	nent	Plan	t Fin	ished	d Wat	er																																
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
Feb																					<u> </u>														<u> </u>								
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
May																																											
Jun Jul	ND.			AID.	ND.					ND					ND.									ND.	ND.		ND.											0.07	ND			ND.	
Aug																																											ND
Sep																																						1					
Oct			1					1			1	1																											ND				
Nov																																											
Dec																																											
Avg	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
Max	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	0.07	ND	ND	ND	ND	ND

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

ND ND ND

ND ND ND ND ND ND ND ND

Min

ppb = Parts Per Billion

ND ND ND ND ND ND ND ND ND

ppm = Parts Per Million

ND ND ND ND

ND ND ND

ND = Not Detected

ND ND ND

ND ND ND

"---" = No Analysis Required

ND

ND ND

ND ND ND ND



EPA MCL\*

Jan Feb

Mar Apr

May Jun

Jul Aug

Sep Oct

Nov Dec

Avg Max Min

Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Avg
Max
Min

# WASHINGTON AQUEDUCT, US ARMY CORPS OF ENGINEERS ANNUAL REPORT OF WATER ANALYSIS (2005)

		Mis	cellaned	ous			Rad	lionuclio	des	
	DIBROMOCHLOROPROPANE (DBCP)	ETHELYNE DIBROMIDE (EDB)	CYANIDE	DIOXIN	N-nitrosodymethylamine (NDMA)	GROSS ALPHA	GROSS BETA	RADIUM 226 / 228	STRONTIUM 90	TRITIUM
,	0.2	50	0.2	30		15	50	5		

#### **Dalecarlia Water Treatment Plant Finished Water**

ppb	ppt	ppm	pg/L	ppt	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
			-				-		
ND	ND	ND	ND	ND	ND	ND	0.76	ND	ND
ND	ND		ND						
ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND
ND	ND		ND						
			-				-		
ND	ND	ND	ND	ND	ND	3.8	ND	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	ND	ND	3.8	0.76	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

#### **McMillan Water Treatment Plant Finished Water**

							_		
ND	ND	ND	ND	ND	ND	ND	0.81	0.74	ND
ND	ND	ND	ND	ND	ND	ND	0.78	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	0.81	0.74	ND
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

ppb = Parts Per Billion

ppm = Parts Per Million

ppt = Parts Per Trillion

pCi/L = Picocuries per Liter

ND = Not Detected