COMPREHENSIVE CHEMICAL ANALYSIS
CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT - BUREAU OF WATER SUPPLY
WATER QUALITY DIVISION-WATER PURIFICATION LABORATORIES
LABORATORY ACCREDITATION NUMBER: 100228

SAMPLE COLLECTION DATE: March 25, 2010 - 1st Quarter

PARAMETER	IEPA MCL	DETERMINED AS	STORET NUMBER	SOUTH WATER PURIFICATION PLANT				JARDINE WATER PURIFICATION PLANT				
				RAW LAKE	OUTLETS		***DISTRIBUTION	RAW LAKE	OUTLETS		***DISTRIBUTION	
					73rd Street	79th Street	SOUTH		North	Central	Central	North
TEMPERATURE		°C	00010	7	6	6	8	4	6	6	7	8
TURBIDITY	TT	N.T.U.	82079	1.0	0.10	0.10	0.10	1.0	0.10	0.10	0.10	0.25
THRESHOLD ODOR, STRAIGHT	*3	T.O.N	00086	2 Moldy	2 Flowery	2 Flowery	1 Chlorinous	1 Flowery	2 Vegetable	2 Vegetable	1 Chlorinous	1 Chlorinous
THRESHOLD ODOR, DECHLORINATED	*3	T.O.N.		2 Moldy	1 Musty	1 Musty	1 Musty	1 Musty	1 Musty	1 Musty	1 Musty	1 Musty
COLOR	*15	Pt.-Co. Units	00080	0	0	0	0	0	0	0	0	0
pH	*6.5-8.5	STD. Units	00040	8.30	7.60	7.58	7.64	8.15	7.66	7.65	7.74	7.73
FREE CHLORINE RESIDUAL		CL_2, mg/L	50064	ND	1.00	1.14	0.82	0.01	1.08	1.05	0.86	0.72
SATURATION INDEX, LANGELIER		UNITS +/-		0.01	-0.40	-0.41	-0.36	0.22	-0.35	-0.32	-0.24	-0.27
ALKALINITY, PHENOLPHTHALEIN		0	00415	0	0	0	0	0	0	0	0	0
ALKALINITY, TOTAL		CaCO3, mg/L	00410	115	105	107	104	112	103	104	107	103
BROMIDE		Br, mg/L	71870	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHLORIDE	*250	Cl, mg/L	00940	13.9	16.2	16.4	16.4	13.4	14.6	14.6	14.7	14.6
FLUORIDE	4	F, mg/L	00951	0.06	1.02	1.03	1.03	0.13	1.00	1.07	1.07	1.05
SULFATE	*250	SO4, mg/L	00945	23.3	27.5	27.5	27.8	23.3	26.2	26.2	26.1	25.9
HARDNESS		CaCO3, mg/L	00900	148	147	149	149	146	142	144	154	147
CALCIUM		Ca, mg/L	00916	34.8	35.2	35.2	35.4	35.6	34.9	35.2	35.4	35.5
MAGNESIUM		Mg, mg/L	00927	12.5	12.5	12.5	12.0	11.9	11.9	12.3	12.3	12.2
POTASSIUM		K, mg/L	00937	1.36	1.60	1.48	1.55	1.78	1.17	1.34	1.47	1.39
SODIUM		Na, mg/L	00006	7.9	8.8	8.8	9.0	7.6	7.6	7.7	7.8	7.8
SOLIDS, TOTAL DISSOLVED	*500	TDS, mg/L	00150	172	173	176	179	167	170	167	174	170
SOLIDS, TOTAL		Tot. Sol., mg/L	00500	173	174	177	180	168	171	168	175	171
TOTAL ORGANIC CARBON		NPOC, mg/L	00680	1.71	1.63	1.62	1.60	1.79	1.58	1.60	1.57	1.56
OXYGEN DEMAND, CHEMICAL		O, mg/L	00335	<5	<5	<5	8.8	<5	<5	<5	11.7	6.7
NITROGEN, AMMONIA		N, mg/L	00610	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
NITROGEN, NITRATE	10	N, mg/L	00620	0.323	0.348	0.349	0.329	0.306	0.314	0.317	0.292	0.291
NITROGEN, NITRITE	1	N, mg/L	00615	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
NITROGEN, TOTAL KJELDAHL		N, mg/L	00625	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE		PO4, mg/L	00660	<0.01	0.436	0.527	0.508	0.019	0.470	0.479	0.496	0.500
PHOSPHATE, TOTAL		PO4, mg/L	00650	0.02	1.07	1.25	1.23	0.01	1.09	0.96	1.05	1.10
CYANIDE, TOTAL	200	CN, ug/L	00720	<5	<5	<5	<5	<5	<5	<5	<5	<5
RADIOACTIVITY, GROSS ALPHA	15	pCi/L	01501	<1	<1	<1	1.2	<1	<1	<1	<1	1.2
RADIOACTIVITY, GROSS BETA	50	pCi/L	03501	4.3	4.5	4.1	4.3	4.4	3.8	4.1	4.9	5.3

* Federal/State Secondary MCLs ** Action Level ***Distribution samples are composited. ND - non detected NA - not available

√ - Reported value is an estimate because Laboratory Fortified Matrix (LFM) did not meet QC acceptance criteria.

COMPREHENSIVE CHEMICAL ANALYSIS
CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT - BUREAU OF WATER SUPPLY
WATER QUALITY DIVISION-WATER PURIFICATION LABORATORIES
LABORATORY ACCREDITATION NUMBER: 100228

SAMPLE COLLECTION DATE: March 25, 2010 - 1st Quarter

PARAMETER	IEPA MCL	DETERMINED AS	STORET NUMBER	SOUTH WATER PURIFICATION PLANT				JARDINE WATER PURIFICATION PLANT				
				RAW LAKE	OUTLETS		***DISTRIBUTION	RAW LAKE	OUTLETS		***DISTRIBUTION	
					73rd Street	79th Street	South		North	Central	Central	North
ALUMINUM - √	*50-200	Al, µg/L	01105	**106**	**66.1**	**44.2**	**31.8**	**24.6**	**45.8**	**45.3**	**39.4**	**40.9**
ANTIMONY	6	Sb, µg/L	01268	<1	<1	<1	<1	<1	<1	<1	<1	<1
ARSENIC	10	As, µg/L	01002	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3
BARIUM	2000	Ba, µg/L	01007	21.2	20.3	20.3	19.4	20.5	20.4	20.3	19.8	20.0
BERYLLIUM	4	Be, µg/L	01012	<1	<1	<1	<1	<1	<1	<1	<1	<1
BORON		B, µg/L	01022	24.1	20.3	24.3	21.1	15.0	14.3	16.1	17.5	23.2
CADMIUM	5	Cd, µg/L	01027	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHROMIUM	100	Cr, µg/L	01034	7.72	7.91	6.82	7.50	7.48	6.93	7.33	7.52	6.14
COBALT		Co, µg/L	01037	<1	<1	<1	<1	<1	<1	<1	<1	<1
COPPER	**1300	Cu, µg/L	01042	<1	<1	<1	<1	<1	<1	<1	<1	<1
IRON	*300	Fe, µg/L	00031	32.2	<4	<4	4.1	20.8	<4	<4	4.0	66.2
LEAD	**15.0	Pb, µg/L	01051	<1	<1	<1	<1	<1	<1	<1	<1	<1
LITHIUM		Li, µg/L	01132	2.9	3.1	2.8	2.5	2.7	3.2	2.8	2.7	3.3
MANGANESE	*50	Mn, µg/L	01055	<1	<1	<1	<1	<1	<1	<1	<1	1.52
MERCURY	2	Hg, µg/L	71900	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MOLYBDENUM		Mo, µg/L	01062	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
NICKEL		Ni, µg/L	01067	1.19	1.24	1.80	1.25	1.17	1.12	1.17	1.13	1.20
SELENIUM	50	Se, µg/L	01147	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
SILICON		Si, µg/L	01142	1007	1161	1143	1142	967	1136	1118	1136	1140
SILVER	*100	Ag, µg/L	01077	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
STRONTIUM		Sr, µg/L	01082	123	125	123	119	119	118	121	119	120
THALLIUM	2	Tl, µg/L	01059	<1	<1	<1	<1	<1	<1	<1	<1	<1
TITANIUM		Ti, µg/L	01152	<5	<5	<5	<5	<5	<5	<5	<5	<5
VANADIUM		V, µg/L	00985	<12	<12	<12	<12	<12	<12	<12	<12	<12
ZINC	*5000	Zn, µg/L	01092	<4	<4	<4	13.7	<4	<4	<4	28.3	20.2

* Federal/State Secondary MCL ** Action Level ***Distribution samples are composited. ND - not detected NA - not available

├ - Holding Time exceeded O/S - Out of Service TT - Treatment Technique

CHIEF WATER CHEMIST	DIRECTOR OF LABORATORIES	MANAGER OF WATER QUALITY	DEPUTY COMMISSIONER

COMPREHENSIVE CHEMICAL ANALYSIS
CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT - BUREAU OF WATER SUPPLY
WATER QUALITY DIVISION-WATER PURIFICATION LABORATORIES
LABORATORY ACCREDITATION NUMBER: 100228

SAMPLE COLLECTION DATE: June 24, 2010 - 2nd Quarter

PARAMETER	IEPA MCL	DETERMINED AS	STORET NUMBER	SOUTH WATER PURIFICATION PLANT				JARDINE WATER PURIFICATION PLANT				
				RAW LAKE	OUTLETS		***DISTRIBUTION	RAW LAKE	OUTLETS		***DISTRIBUTION	
					73rd Street	79th Street	SOUTH		North	Central	Central	North
TEMPERATURE		°C	00010	19	19	20	20	18	19	19	20	19
TURBIDITY	TT	N.T.U.	82079	0.36	0.10	0.10	0.15	1.2	0.10	0.10	0.10	0.20
THRESHOLD ODOR, STRAIGHT	*3	T.O.N	00086	2 Ep	2Cc	2 E	1 A	3 Ds	1 G	1 E	2 Cc	2 Cc
THRESHOLD ODOR, DECHLORINATED	*3	T.O.N.		1 M	ND	1 M	ND	1 M	ND	ND	1 M	1 M
COLOR	*15	Pt.-Co. Units	00080	0	0	0	0	0	0	0	0	0
pH	*6.5-8.5	STD. Units	00040	8.43	7.47	7.47	7.56	8.15	7.54	7.46	7.56	7.68
FREE CHLORINE RESIDUAL		CL_2, mg/L	50064	0	1.13	1.22	0.73	0.00	1.06	0.98	0.72	0.67
SATURATION INDEX, LANGELIER		UNITS +/-		0.46	-0.53	-0.51	-0.44	0.17	-0.44	-0.52	-0.40	-0.30
ALKALINITY, PHENOLPHTHALEIN		0	00415	0	0	0	0	0	0	0	0	0
ALKALINITY, TOTAL		CaCO3, mg/L	00410	111	104	105	102	112	108	106	108	108
BROMIDE		Br, mg/L	71870	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
CHLORIDE	*250	Cl, mg/L	00940	12.4	14.2	14.2	14.4	12.3	14.2	14.2	14.4	15.0
FLUORIDE	4	F, mg/L	00951	0.21	0.97	0.89	0.95	0.19	0.97	0.98	0.97	0.95
SULFATE	*250	SO4, mg/L	00945	22.9	26.6	26.5	26.4	23.0	25.9	25.7	25.6	25.9
HARDNESS		CaCO3, mg/L	00900	143	139	137	139	145	134	133	145	139
CALCIUM		Ca, mg/L	00916	33.1	32.7	32.4	31.7	34.2	33.1	33.9	32.8	33.4
MAGNESIUM		Mg, mg/L	00927	11.8	12.1	11.5	11.7	11.9	12.0	11.8	12.0	11.8
POTASSIUM		K, mg/L	00937	1.51	1.51	1.47	1.44	1.56	1.21	1.58	1.53	1.43
SODIUM		Na, mg/L	00006	7.55	8.47	8.50	8.20	7.75	7.73	7.91	8.15	8.51
SOLIDS, TOTAL DISSOLVED	*500	TDS, mg/L	00150	144	150	147	154	145	145	148	148	150
SOLIDS, TOTAL		Tot. Sol., mg/L	00500	149	150	147	154	146	148	148	148	150
TOTAL ORGANIC CARBON		TOC, mg/L	00680	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S
OXYGEN DEMAND, CHEMICAL		O, mg/L	00335	<5	<5	<5	5.7	<5	<5	<5	<5	<5
NITROGEN, AMMONIA		N, mg/L	00610	0.02	0.02	0.019	0.017	0.019	0.016	0.012	0.010	0.010
NITROGEN, NITRATE	10	N, mg/L	00620	0.247	0.222	0.228	0.213	0.249	0.228	0.241	0.235	0.236
NITROGEN, NITRITE	1	N, mg/L	00615	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
NITROGEN, TOTAL KJELDAHL		N, mg/L	00625	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORTHOPHOSPHATE		PO4, mg/L	00660	0.019	0.499	0.512	0.554	0.012	0.472	0.489	0.498	0.504
PHOSPHATE, TOTAL		PO4, mg/L	00650	0.07	1.38	1.27	1.26	0.06	1.13	1.26	1.19	1.19
CYANIDE, TOTAL	200	CN, ug/L	00720	<5	<5	<5	<5	<5	<5	<5	<5	<5
RADIOACTIVITY, GROSS ALPHA	15	pCi/L	01501	<1	<1	<1	<1	<1	<1	<1	<1	<1
RADIOACTIVITY, GROSS BETA	50	pCi/L	03501	2.8	3.1	2.4	1.5	2.5	2.8	2.4	<1	3.6

* Federal/State Secondary MCLs ** Action Level ***Distribution samples are composited. ND - non detected NA - not available

COMPREHENSIVE CHEMICAL ANALYSIS
CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT - BUREAU OF WATER SUPPLY
WATER QUALITY DIVISION-WATER PURIFICATION LABORATORIES
LABORATORY ACCREDITATION NUMBER: 100228

SAMPLE COLLECTION DATE: June 24, 2010 - 2nd Quarter

PARAMETER	IEPA MCL	DETERMINED AS	STORET NUMBER	SOUTH WATER PURIFICATION PLANT				JARDINE WATER PURIFICATION PLANT				
				RAW LAKE	OUTLETS		***DISTRIBUTION	RAW LAKE	OUTLETS		***DISTRIBUTION	
					73rd Street	79th Street	South		North	Central	Central	North
ALUMINUM	*50-200	Al, µg/L	01105	10.3	140	136	121	30.8	117	126	113	111
ANTIMONY	6	Sb, µg/L	01268	<1	<1	<1	<1	<1	<1	<1	<1	<1
ARSENIC	10	As, µg/L	01002	1.16	1.08	1.06	1.08	1.24	1.13	1.17	1.16	1.19
BARIUM	2000	Ba, µg/L	01007	19.5	18.9	19.5	19.5	19.9	18.8	18.9	20.0	19.9
BERYLLIUM	4	Be, µg/L	01012	<1	<1	<1	<1	<1	<1	1	<1	<1
BORON		B, µg/L	01022	22.1	22.9	22.6	23.2	22.8	22.3	23.8	25.8	29.3
CADMIUM	5	Cd, µg/L	01027	<1	<1	<1	<1	<1	<1	1	<1	<1
CHROMIUM	100	Cr, µg/L	01034	7.84	8.32	7.38	6.73	7.59	7.58	7.76	7.26	7.34
COBALT		Co, µg/L	01037	<1	<1	<1	<1	1.7	<1	1	<1	<1
COPPER	**1300	Cu, µg/L	01042	<1	<1	<1	<1	3.74	<1	1	<1	1.12
IRON	*300	Fe, µg/L	00031	6.1	<5	<5	<5	42.6	<5	<5	<5	35.6
LEAD	**15.0	Pb, µg/L	01051	<1	<1	<1	<1	<1	<1	1	<1	<1
LITHIUM		Li, µg/L	01132	<2	<2	<2	<2	<2	<2	<2	<2	<2
MANGANESE	*50	Mn, µg/L	01055	<5	<5	<5	<5	<5	<5	<5	<5	<5
MERCURY	2	Hg, µg/L	71900	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MOLYBDENUM		Mo, µg/L	01062	<1	<1	<1	<1	<1	<1	1	<1	<1
NICKEL		Ni, µg/L	01067	1.06	<1	<1	<1	1.17	1.12	1.25	<1	<1
SELENIUM	50	Se, µg/L	01147	<2	<2	2.09	2.37	<2	2.11	2.18	2.29	2.39
SILICON		Si, µg/L	01142	370	569	519	538	466	609	608	598	600
SILVER	*100	Ag, µg/L	01077	<2	<2	<2	<2	<2	<2	<2	<2	<2
STRONTIUM		Sr, µg/L	01082	118	117	120	117	117	115	117	121	121
THALLIUM	2	Tl, µg/L	01059	<1	<1	<1	<1	<1	<1	1	<1	<1
TITANIUM		Ti, µg/L	01152	<3	<3	<3	<3	<3	<3	<3	<3	<3
VANADIUM		V, µg/L	00985	<1	<1	<1	<1	<1	<1	1	<1	<1
ZINC	*5000	Zn, µg/L	01092	<5	<5	<5	<5	<5	<5	<5	<5	12.9

* Federal/State Secondary MCL ** Action Level ***Distribution samples are composited. ND - not detected NA - not available

├ - Holding Time exceeded O/S - Out of Service TT - Treatment Technique

CHIEF WATER CHEMIST	DIRECTOR OF LABORATORIES	MANAGER OF WATER QUALITY	DEPUTY COMMISSIONER

COMPREHENSIVE CHEMICAL ANALYSIS
CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT - BUREAU OF WATER SUPPLY
WATER QUALITY DIVISION-WATER PURIFICATION LABORATORIES
LABORATORY ACCREDITATION NUMBER: 100228

SAMPLE COLLECTION DATE: August 24, 2010 - 3rd Quarter

PARAMETER	IEPA MCL	DETERMINED AS	STORET NUMBER	SOUTH WATER PURIFICATION PLANT				JARDINE WATER PURIFICATION PLANT				
				RAW LAKE	OUTLETS		***DISTRIBUTION	RAW LAKE	OUTLETS		***DISTRIBUTION	
					73rd Street	79th Street	SOUTH		North	Central	Central	North
TEMPERATURE		°C	00010	22	22	22	20	22	22	22	19	19
TURBIDITY	TT	N.T.U.	82079	0.55	0.10	0.10	0.15	0.55	0.10	0.10	0.15	0.15
THRESHOLD ODOR, STRAIGHT	*3	T.O.N	00086	1 Cc	1 Cc	1 Cc	1 Cc	1 Cc	1 Cc	1 Cc	1 Cc	1 Cc
THRESHOLD ODOR, DECHLORINATED	*3	T.O.N.		1 M	1 M	1 M	1 M	1 M	1 M	1 M	1 M	1 M
COLOR	*15	Pt.-Co. Units	00080	H	H	H	H	H	H	H	H	H
pH	*6.5-8.5	STD. Units	00040	8.38	7.65	7.69	7.79	8.35	7.73	7.73	7.84	7.86
FREE CHLORINE RESIDUAL		CL_2, mg/L	50064	--	1.23	1.05	0.75	--	1.10	1.07	0.76	0.79
SATURATION INDEX, LANGELIER		UNITS +/-		0.48	-0.28	-0.25	-0.19	0.44	-0.22	-0.21	-0.16	-0.15
ALKALINITY, PHENOLPHTHALEIN		0	00415	1	0	0	0	0.74	0	0	0	0
ALKALINITY, TOTAL		CaCO3, mg/L	00410	111	104	105	103	112	103	104	103	101
BROMIDE		Br, mg/L	71870	H	H	H	H	H	H	H	H	H
CHLORIDE	*250	Cl, mg/L	00940	H	H	H	H	H	H	H	H	H
FLUORIDE	4	F, mg/L	00951	0.11	0.95	1.09	1.04	0.10	1.04	1.08	1.08	1.07
SULFATE	*250	SO4, mg/L	00945	H	H	H	H	H	H	H	H	H
HARDNESS		CaCO3, mg/L	00900	142	140	133	139	138	136	139	132	133
CALCIUM		Ca, mg/L	00916	32.6	32.7	32.2	32.7	32.1	R	R	R	R
MAGNESIUM		Mg, mg/L	00927	12.0	11.9	11.5	11.6	11.5	11.8	12.0	11.4	11.7
POTASSIUM		K, mg/L	00937	1.26	1.37	1.27	1.24	1.06	1.24	1.12	1.34	1.33
SODIUM		Na, mg/L	00006	7.23	7.76	7.46	7.52	6.90	7.22	7.35	7.11	7.34
SOLIDS, TOTAL DISSOLVED	*500	TDS, mg/L	00150	NA	NA	NA	NA	NA	NA	NA	NA	NA
SOLIDS, TOTAL		Tot. Sol., mg/L	00500	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL ORGANIC CARBON		TOC, mg/L	00680	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S
OXYGEN DEMAND, CHEMICAL		O, mg/L	00335	<5	7.6	7.6	<5	7.6	<5	<5	<5	<5
NITROGEN, AMMONIA		N, mg/L	00610	H	H	H	H	H	H	H	H	H
NITROGEN, NITRATE	10	N, mg/L	00620	H	H	H	H	H	H	H	H	H
NITROGEN, NITRITE	1	N, mg/L	00615	H	H	H	H	H	H	H	H	H
NITROGEN, TOTAL KJELDAHL		N, mg/L	00625	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S
ORTHOPHOSPHATE		PO4, mg/L	00660	<0.01	0.486	0.484	0.493	0.011	0.474	0.479	0.505	0.512
PHOSPHATE, TOTAL		PO4, mg/L	00650	0.017	0.981	0.946	0.956	<0.01	0.926	0.930	0.916	0.932
CYANIDE, TOTAL	200	CN, ug/L	00720	<5	<5	<5	<5	<5	<5	<5	<5	<5
RADIOACTIVITY, GROSS ALPHA	15	pCi/L	01501	<1	<1	<1	<1	<1	<1	<1	<1	<1
RADIOACTIVITY, GROSS BETA	50	pCi/L	03501	1	<1	<1	1.0	1.4	1.4	<1	<1	1.5

* Federal/State Secondary MCLs ** Action Level ***Distribution samples are composited. ND - non detected NA - not available, analytical error

R - Sample results not reported because certain QC criteria were not met.

COMPREHENSIVE CHEMICAL ANALYSIS
CITY OF CHICAGO - DEPARTMENT OF WATER MANAGEMENT - BUREAU OF WATER SUPPLY
WATER QUALITY DIVISION-WATER PURIFICATION LABORATORIES
LABORATORY ACCREDITATION NUMBER: 100228

SAMPLE COLLECTION DATE: August 24, 2010 - 3rd Quarter

PARAMETER	IEPA MCL	DETERMINED AS	STORET NUMBER	SOUTH WATER PURIFICATION PLANT				JARDINE WATER PURIFICATION PLANT				
				RAW LAKE	OUTLETS		***DISTRIBUTION	RAW LAKE	OUTLETS		***DISTRIBUTION	
					73rd Street	79th Street	South		North	Central	Central	North
ALUMINUM	*50-200	Al, µg/L	01105	26.2	163	147	114	21.3	129	127	105	107
ANTIMONY	6	Sb, µg/L	01268	<1	<1	<1	<1	<1	<1	<1	<1	<1
ARSENIC	10	As, µg/L	01002	1.51	1.31	1.30	1.31	1.54	1.50	1.48	1.42	1.40
BARIUM	2000	Ba, µg/L	01007	28.6	28.4	29.6	28.9	28.7	28.0	27.9	28.1	28.0
BERYLLIUM	4	Be, µg/L	01012	<1	<1	<1	<1	<1	<1	<1	<1	<1
BORON		B, µg/L	01022	25.8	24.0	26.4	27.9	25.2	28.5	23.2	23.4	23.6
CADMIUM	5	Cd, µg/L	01027	<1	<1	<1	<1	<1	<1	<1	<1	<1
CHROMIUM	100	Cr, µg/L	01034	<1	2.78	<1	2.45	3.73	2.46	3.24	3.25	2.00
COBALT		Co, µg/L	01037	<1	<1	<1	<1	<1	<1	<1	<1	<1
COPPER	**1300	Cu, µg/L	01042	<1	<1	<1	<1	<1	<1	<1	<1	<1
IRON	*300	Fe, µg/L	00031	10	<5	<5	<5	<5	<5	<5	6.5	24.0
LEAD	**15.0	Pb, µg/L	01051	<1	<1	<1	<1	<1	<1	<1	<1	<1
LITHIUM		Li, µg/L	01132	2.33	2.30	2.57	2.43	2.25	2.20	2.35	2.36	2.25
MANGANESE	*50	Mn, µg/L	01055	<2	<2	<2	<2	<2	<2	<2	<2	<2
MERCURY	2	Hg, µg/L	71900	H	H	H	H	H	H	H	H	H
MOLYBDENUM		Mo, µg/L	01062	1.99	1.93	1.90	1.92	1.84	1.88	1.87	1.86	1.85
NICKEL		Ni, µg/L	01067	<2	<2	<2	<2	<2	<2	<2	<2	<2
SELENIUM	50	Se, µg/L	01147	<2	<2	<2	<2	<2	<2	<2	<2	<2
SILICON		Si, µg/L	01142	577	721	759	752	414	624	615	609	608
SILVER	*100	Ag, µg/L	01077	<1	<1	<1	<1	<1	<1	<1	<1	<1
STRONTIUM		Sr, µg/L	01082	118	116	116	118	116	117	117	118	116
THALLIUM	2	Tl, µg/L	01059	<1	<1	<1	<1	<1	<1	<1	<1	<1
TITANIUM		Ti, µg/L	01152	2.10	1.82	1.91	1.73	2.50	2.10	1.51	1.95	1.71
VANADIUM		V, µg/L	00985	1.49	1.18	6.51	1.38	5.12	1.02	6.40	4.85	1.76
ZINC	*5000	Zn, µg/L	01092	<5	<5	7.4	7.9	R	R	R	R	R

* Federal/State Secondary MCL ** Action Level ***Distribution samples are composited. ND - not detected NA - not available

H - Holding Time exceeded O/S - Out of Service TT - Treatment Technique

CHIEF WATER CHEMIST | DIRECTOR OF LABORATORIES | MANAGER OF WATER QUALITY | DEPUTY COMMISSIONER