

TABLE 1. 2005 RAW WATER QUALITY AT JAPAN GULCH PLANT

PARAMETER		2005 ANALYTICAL RESULTS				2005 CANADIAN GUIDELINES	TEN YEAR RESULTS (1996-2005)			Division
Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Physical Parameters										
Alkalinity, Total	mg/L	15.6	27	13.4	17		14.7	317	7.0 - 17.6	26/yr
Carbon, Dissolved Organic	mg/L as C	2.5	10	2.2	2.9		2.5	67	1.8 - 7.0	12/yr
Carbon, Total Organic	mg/L as C	2.5	10	2.2	3.7	No Guideline Required	2.5	170	1.8 - 9.6	12/yr
Colour, True	TCU	7.4	52	5.5	11	≤ 15 AO	8	583	2.8 - 18	52/yr
Conductivity @ 25 C	uS/cm	42.6	52	38.0	45.6		41	527	26.2 - 47.0	52/yr
Hardness	mg/L	17.3	24	16.0	19.6	No Guideline Required	17.0	111	9.3 - 27.7	24/yr
pH	pH units	7.16	52	6.78	7.47	6.5 - 8.5 AO	7.3	533	6.46 - 7.76	52/yr
Tannins and Lignins	mg/L	0.28	3	0.25	0.31	No Guideline Required	0.27	21	<0.07 - 0.37	2/yr
Total Dissolved Solids	mg/L	24.6	42	18.9	49.0	≤ 500 AO	25.3	168	8.0 - 49.0	36/yr
Total Suspended Solids	mg/L	1.0	42	<0.2	5.7		0.5	167	<0.2 - 7.7	36/yr
Total Solids	mg/L	26.0	41	19.0	50.0		26.9	168	8.0 - 53.0	36/yr
Turbidity, Grab Samples	NTU	0.40	247	0.21	0.77	1 MAC and ≤ 5 AO	0.34	1,963	0.12 - 26	250/yr
Ultraviolet Absorption, 5cm	Abs.@254 nm	0.324	52	0.26	0.365		0.326	355	0.215 - 0.656	52/yr
Ultraviolet Transmittance	%	86	232	82	89		86	1,002	75 - 91	250/yr
Water Temp., Field	degrees C	9.5	267	4.0	19.0	≤ 15 AO	10.2	2,761	3.0 - 23.0	250/yr
Non-Metallic Inorganic Chemicals										
Ammonia, Total	ug/L as N	3.20	11	1.3	15.8	No Guideline Required	6.8	119	<0.18 - 63.6	12/yr
Bromide	mg/L as Br	0.005	12	<0.002	0.01	0.01 IMAC (Bromate)	0.003	39	<0.0008 - 0.011	12/yr
Chloride	mg/L as Cl	2.6	1			≤ 250 AO	2.44	20	1.77 - 3.26	2/yr
Cyanide	mg/L as Cn	<0.015	3			0.2 MAC	0.004	21	<0.0005 - 0.015	2/yr
Fluoride	ug/L as F	10.0	1			1500 MAC	9.0	20	<2.0 - 67	2/yr
Nitrate, Dissolved	ug/L as N	22.9	11	4.5	60.3		12.3	97	<0.3 - 97.8	12/yr
Nitrite, Dissolved	ug/L as N	<0.3	11				<0.3	89	<0.29 - 6.85	12/yr
Nitrogen, Total	mg/L as N	0.104	11	0.086	0.12		0.093	54	0.017 - .139	12/yr
Phosphate, Ortho, Diss	ug/L as P	0.90	11	<0.10	1.37		0.89	84	<0.08 - 4.41	12/yr
Phosphate, Total, Diss	ug/L as P	3.40	11	0.40	6.22		2.6	85	<0.2 - 7.8	12/yr
Phosphate, Total	ug/L as P	5.40	11	3.20	8.99		4.1	85	1.72 - 9.60	12/yr
Silicon	mg/L as Si	1.76	14	1.30	1.97		1.82	29	0.66 - 8.88	12/yr
Sulphate	mg/L as SO ₄	1.57	11	1.14	1.92	≤ 500 AO	1.57	66	<0.08 - 7.4	12/yr
Sulphide	mg/L as H ₂ S	0.004	2	0.002	0.006	≤ 0.05 AO	<0.05	22	0.002 - 0.40	2/yr
Sulphur	mg/L as S	0.6	12	0.5	0.6		0.6	36	0.5 - 0.7	12/yr

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Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Metallic Inorganic Chemicals										
Aluminum	mg/L as Al	<0.02	14	<0.02	0.065	0.1 (Guideline)	0.02	50	<0.01 - 0.1	12/yr
Antimony	mg/L as Sb	<0.05	14	<0.0005	<0.05	0.006 IMAC	<0.05	50	<0.000005 - 0.234	12/yr
Arsenic	mg/L as As	<0.0005	3	<0.00003	<0.0005	0.005 MAC	<0.0005	17	0.00006 - <0.003	2/yr
Barium	mg/L as Ba	0.005	14	<0.004	0.009	1.0 MAC	<0.005	52	<0.002 - 0.04	12/yr
Beryllium	mg/L as Be	<0.0002	14	<0.0002	<0.003		<0.0002	50	<0.0002 - <0.003	12/yr
Bismuth	mg/L as Bi	<0.05	12				<0.05	37	<0.005 - 0.06	12/yr
Boron	mg/L as B	<0.008	14	<0.008	0.07	5 IMAC	<0.008	52	<0.002 - 0.64	12/yr
Cadmium	mg/L as Cd	<0.002	14	<0.0001	0.002	0.005 MAC	<0.002	50	<0.00001 - <0.006	12/yr
Calcium	mg/L as Ca	5.08	14	4.55	5.94	No Guideline Requirec	5.12	52	2.75 - 13.9	12/yr
Chromium	mg/L as Cr	<0.005	14	<0.005	0.044	0.05 MAC	<0.005	50	0.0002 - 0.044	12/yr
Cobalt	mg/L as Co	<0.005	14	<0.005	<0.02		<0.005	50	0.00003 - 0.024	12/yr
Copper	mg/L as Cu	<0.005	14	<0.005	0.464	≤ 1.0 AO	<0.005	50	0.0004 - 0.464	12/yr
Gold	mg/L as Au	<0.04	2				<0.04	16	<0.0000001 - 0.054	Irregular
Iron	mg/L as Fe	0.039	14	0.021	0.089	≤ 0.3 AO	0.045	52	<0.01 - 0.099	12/yr
Lanthanum	mg/L as La	<0.02	2				<0.02	16	<0.000003 - <0.02	Irregular
Lead	mg/L as Pb	<0.0005	2			0.010 MAC	<0.0005	16	<0.00002 - 0.002	2/yr
Magnesium	mg/L as Mg	1.20	14	1.13	1.27	No Guideline Requirec	1.18	52	0.58 - 3.11	12/yr
Manganese	mg/L as Mn	0.008	14	<0.004	0.027	≤ 0.05 AO	<0.008	52	<0.003 - 0.031	12/yr
Mercury, Methyl	ng/L as Hg	0.010	12	<0.01	0.03		0.025	39	<0.01 - 0.087	12/yr
Mercury, Total	ng/L as Hg	0.67	13	0.46	1.33	1000 MAC	0.89	47	0.05 - 3.31	12/yr
Molybdenum	mg/L as Mo	<0.005	14	<0.005	<0.02		<0.005	52	<0.00006 - 0.028	12/yr
Nickel	mg/L as Ni	<0.008	14	<0.008	0.05		<0.008	52	0.0002 - 0.093	12/yr
Phosphorus	mg/L as P	<0.1	14	<0.065	<0.1		<0.1	52	<0.01 - 0.219	12/yr
Potassium	mg/L as K	<1	15	0.006	<1		<1	55	0.006 - <1.0	12/yr
Scandium	mg/L as Sc	<0.05	2				<0.05	13	0.0009 - 0.058	Irregular
Selenium	mg/L as Se	<0.0003	2	<0.0002	<0.0005	0.01 MAC	<0.0005	17	0.0001 - <0.5	2/yr
Silicon	mg/L as Si	1.7600	14	1.3	1.97		1.8200	29	0.66 - 8.88	12/yr
Silver	mg/L as Ag	<0.01	14			No Guideline Requirec	<0.01	50	<0.00001 - 0.05	12/yr
Sodium	mg/L as Na	1.77	15	1.67	2.07	≤ 200 AO	1.73	55	<0.05 - 2.8	12/yr
Strontium	mg/L as Sr	0.016	14	0.014	0.018		0.015	52	0.011 - 0.026	12/yr
Tellurium	mg/L as Te						<0.05	23		Irregular
Thallium	ug/L as Tl	<30	12	0.1	<30		<30	35	0.01 - <30	12/yr
Tin	mg/L as Sn	<0.02	12				<0.02	38	<0.00002 - <0.06	12/yr
Titanium	mg/L as Ti	<0.003	14	<0.003	<0.01		<0.003	52	0.0006 - 0.017	12/yr
Tungsten	mg/L as W	<0.05	2				<0.05	15	0.000005 - 0.081	Irregular
Uranium	mg/L as U	<0.0001	1				<0.00001	9	<0.000005 - 0.0001	1/yr
Vanadium	mg/L as V	<0.005	14	<0.005	<0.01		<0.005	52	0.00018 - 0.05	12/yr
Zinc	mg/L as Zn	<0.005	14	<0.005	0.018	≤ 5.0 AO	<0.005	52	<0.0005 - 0.057	12/yr
Zirconium	ug/L as Zr	<5.0	12				<5.0	37	0.0004 - <5.0	12/yr

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Parameter Name	Units of Measure	Median Value	Samples Analyzed	Range Minimum Maximum		(Provides reference only for raw water)	Median Value	Samples Analyzed	Range Minimum-Maximum	Sampling Frequency
Microbial Parameters										
Coliform Bacteria										
Coliform, Total	CFU/100 mL	24	247	<1	3,578		16	2,471	<1 - 15,000	250/yr
Coliform, Fecal	CFU/100 mL	Changed to E.coli analysis in 2004					<1	1,791	<1 - 18	Special
<i>E. coli</i>	CFU/100 mL	<1	247	<1	20		<1	719	<1 - 24	250/yr
Coliform, Background	CFU/100 mL	504	247	<1	6,395		575	2,469	<1 - 109,278	250/yr
Heterotrophic /Other Bacteria										
Hetero. Plate Count, 28C (7 day)	CFU/1 mL	420	247	<10	4,360		370	2,437	<10 - 22,000	250/yr
Hetero. Plate Count, 35C (2 day)	CFU/1 mL	Discontinued in 2005					31	2,125	<1 - 20,000	250/yr
<i>Aeromonas</i> species	CFU/100 mL	208	242	2	2,540		240	543	2 - 51,000	Special
Cyanobacterial Toxins										
Anatoxin a	ug/L	<0.2	2				<0.2	6	<0.16 - <1.0	Special
Microcystin-LR	ug/L	0.34	2	<0.34	0.34	1.5	<0.25	6	<0.083 - <1.0	Special
Other Microcystins	ug/L						<0.16	2		Special
Parasites										
						Parasites under Review				
<i>Cryptosporidium</i> , Total oocysts	oocysts/100 L	0	24			Zero detection desirable	0	290	0 - 6.2	26/yr
<i>Cryptosporidium</i> , Viable oocysts	oocysts/100 L	0	24			Zero detection desirable	0	261	0 - 1.2	26/yr
<i>Giardia</i> , Total cysts	cysts/100 L	0	24	0	0.6	Zero detection desirable	0	290	0 - 33.2	26/yr
<i>Giardia</i> , Viable cysts	cysts/100 L	0	24			Zero detection desirable	0	261	0 - 33.2	26/yr
Radiological Parameters										
Gross alpha radiation	Bq/L	0.03	2	<0.01	0.04	0.1 (Screening)	<0.02	16	<0.01 - 0.25	2/yr
Gross beta radiation	Bq/L	0.04	2	<0.02	0.05	1.0 (Screening)	<0.02	16	<0.02 - <0.06	2/yr

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Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Organic Parameters										
Pesticides/Herbicides										
1,4'-DDE	mg/L	<0.00001	2				<0.00001	19	<0.00001 - <0.00004	2/yr
1,4'-DDT	mg/L	<0.00001	2			No Guideline Required	<0.00001	19	<0.00001 - <0.0001	2/yr
2,4,5-T	mg/L	<0.0001	2			No Guideline Required	<0.0001	19	<0.0001 - <0.0005	2/yr
2,4,5-TP (Silvex)	mg/L	<0.0001	2			No Guideline Required	<0.0001	19	<0.0001 - <0.0005	2/yr
2,4-D	mg/L	<0.0004	2			0.1 IMAC	<0.0004	19	<0.0004 - <0.0005	2/yr
2,4-DB	mg/L	<0.001	2				<0.001	19	<0.0005 - <0.001	2/yr
3-Hydroxy Carbofuran	mg/L	<0.0002	2				<0.0002	19		2/yr
4,4'-DDD	mg/L	<0.00003	2				<0.00003	19	<0.00003 - <0.0001	2/yr
4,4'-DDE	mg/L	<0.00001	2				<0.00001	19	<0.00001 - <0.00004	2/yr
4,4'-DDT	mg/L	<0.00001	2			No Guideline Required	<0.00001	19	<0.00001 - <0.0001	2/yr
Alachlor	mg/L	<0.0002	2				<0.0002	18	<0.0002 - <0.0003	2/yr
Aldicarb	mg/L	<0.0005	2			0.009 MAC	<0.0005	19		2/yr
Aldicarb Sulfone	mg/L	<0.0003	2				<0.0003	19		2/yr
Aldicarb Sulfoxide	mg/L	<0.0008	2				<0.0008	19		2/yr
Aldrin	mg/L	<0.00001	2			0.0007 MAC	<0.00001	19	<0.00001 - <0.00004	2/yr
Atrazine	mg/L	<0.0001	2			0.005 IMAC	<0.0001	18	<0.0001 - <0.0002	2/yr
Azinphos-methyl	mg/L	<0.001	2			0.02 MAC	<0.001	19	<0.001 - <0.005	2/yr
BHC (alpha)	mg/L	<0.00002	2				<0.00002	19	<0.00002 - <0.00003	2/yr
BHC (beta)	mg/L	<0.00003	2				<0.00003	19	<0.00003 - <0.00006	2/yr
BHC (delta)	mg/L	<0.00001	2				<0.00001	19	<0.00001 - <0.0001	2/yr
Bendiocarb	mg/L	<0.0002	2			0.04 MAC	<0.001	7	<0.0002 - <0.001	2/yr
Bromacil	mg/L	<0.0002	2				<0.0002	18	<0.0002 - <0.0014	2/yr
Bromoxynel	mg/L	<0.00002	2				<0.00002	6		2/yr
Butylate	mg/l	<0.0002	2				<0.0002	18		2/yr
Carbaryl	mg/L	<0.0002	2			0.09 MAC	<0.0002	19		2/yr
Carbofuran	mg/L	<0.0002	2			0.09 MAC	<0.0002	19	<0.0002 - <0.0003	2/yr
Chlordane (alpha)	mg/L	<0.00001	2			No Guideline Required	<0.00001	19	<0.00001 - <0.0001	2/yr
Chlordane (gamma)	mg/L	<0.00001	2			No Guideline Required	<0.00001	19	<0.00001 - <0.0001	2/yr
Chlorfenvinphos	mg/L	<0.0004	2				<0.0004	19		2/yr
Chlorpropham	mg/L	<0.001	2				<0.001	18		2/yr
Chlorpyrifos	mg/L	<0.00002	2			0.09 MAC	<0.0001	19	<0.00002 - <0.0003	2/yr
Dematon	mg/L	<0.0008	2				<0.0008	19		2/yr
Diazinon	mg/L	<0.00003	2			0.02 MAC	<0.0002	19	<0.00003 - <0.0002	2/yr
Dicamba	mg/L	<0.0001	2			0.12 MAC	<0.0001	19	<0.0001 - <0.0005	2/yr
Dieldrin	mg/L	<0.00002	2				<0.00002	19		2/yr
Dimethoate	mg/L	<0.0002	2			0.02 IMAC	<0.0002	19	<0.0002 - <0.0004	2/yr
Dioxacarb	mg/L	<0.0008	2				<0.0008	19		2/yr

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Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Disulfoton	mg/L	<0.0002	2				<0.0002	19		2/yr
Endosulfan I	mg/L	<0.00001	2				<0.00001	19	<0.00001 - <0.0001	2/yr
Endosulfan II	mg/L	<0.00002	2				<0.00002	19	<0.00002 - <0.00004	2/yr
Endosulfan Sulphate	mg/L	<0.00002	2				<0.00002	19	<0.00002 - <0.00007	2/yr
Endrin	mg/L	<0.00002	2			No Guideline Required	<0.00002	19	<0.00002 - <0.00006	2/yr
Endrin Aldehyde	mg/L	<0.00005	2				<0.00005	19	<0.00005 - <0.0002	2/yr
Ethion	mg/L	<0.0003	2				<0.0003	19		2/yr
Fenitrothion	mg/L	<0.0005	2				<0.0005	19		2/yr
Fenthion	mg/L	<0.0006	2				<0.0006	19		2/yr
Fonofos	mg/L	<0.0002	2				<0.0002	19		2/yr
Glyphosate	mg/L	<0.0225	2	<0.010	<0.035	0.28 IMAC	<0.035	19	<0.00002 - <0.065	2/yr
Heptachlor	mg/L	<0.00002	2			No Guideline Required	<0.00002	19	<0.00002 - <0.0003	2/yr
Heptachlor Epoxide	mg/L	<0.00001	2			No Guideline Required	<0.00001	19	<0.00001 - <0.0008	2/yr
Hexazinone	mg/L	<0.0008	2				<0.0008	18		2/yr
Isofenphos	mg/L	<0.0004	2				<0.0004	19		2/yr
Lindane (BHC-gamma)	mg/L	<0.00001	2			No Guideline Required	<0.00001	19	<0.00001 - <0.00004	2/yr
Malathion	mg/L	<0.0002	2			0.19 MAC	<0.0002	19	<0.0002 - <0.0006	2/yr
MCPA	mg/L	<0.050	2				<0.050	19	<0.0005 - <0.050	2/yr
MCPP	mg/L	<0.100	2				<0.100	19	<0.0005 - <.100	2/yr
Methidathion	mg/L	<0.0003	2				<0.0003	19		2/yr
Methiocarb	mg/L	<0.0003	2				<0.0003	19		2/yr
Methomyl	mg/L	<0.0003	2				<0.0003	19		2/yr
Methoxychlor	mg/L	<0.00004	2			0.9 MAC	<0.00004	19	<0.00004 - <0.002	2/yr
Methyl-Parathion	mg/L	<0.0002	2			No Guideline Required	<0.0002	19		2/yr
Metolachlor	mg/L	<0.0008	2			0.05 IMAC	<0.0008	18		2/yr
Mevinphos	mg/L	<0.0004	2				<0.0004	19		2/yr
Monocrotophos	mg/L	<0.001	2				<0.001	19		2/yr
Oxamyl	mg/L	<0.0003	2				<0.0003	19		2/yr
Parathion	mg/L	<0.0002	2			0.05 MAC	<0.0002	19		2/yr
Phorate	mg/L	<0.0002	2			0.002 MAC	<0.0002	19		2/yr
Phosalone	mg/L	<0.001	2				<0.001	19		2/yr
Phosmet	mg/L	<0.005	2				<0.005	19		2/yr
Picloram	mg/L	<0.0001	2			0.19 IMAC	<0.0001	19	<<0.0001 - <0.0002	2/yr
Promecarb	mg/L	<0.0002	2				<0.0002	19		2/yr
Propazine	mg/L	<0.0001	2				<0.0001	18		2/yr
Propoxur	mg/L	<0.0002	2				<0.0002	19		2/yr
Simazine	mg/L	<0.0001	2			0.01 IMAC	<0.0001	18		2/yr
Terbufos	mg/L	<0.0005	2			0.001 IMAC	<0.0005	19	<0.0005 - <0.0009	2/yr
Tetrachlovinphos	mg/L	<0.0002	2				<0.0002	19		2/yr
Toxaphene	mg/L	<0.00008	2			No Guideline Required	<0.003	19	<0.00008 - <0.003	2/yr

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Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Polycyclic Aromatic Hydrocarbons (PAH's)										
Acenaphthene	mg/L	<0.0004	2			No Guideline Required	<0.0004	19	<0.0001 - <0.0004	2/yr
Acenaphthylene	mg/L	<0.0007	2			No Guideline Required	<0.0007	19	<0.0001 - <0.0007	2/yr
Acridine	mg/L	<0.0003	2			No Guideline Required	<0.0003	19	<0.00005 - <0.0003	2/yr
Anthracene	mg/L	<0.0002	2			No Guideline Required	<0.0002	19	<0.00005 - <0.0002	2/yr
Benzo(a)anthracene	mg/L	<0.0003	2			No Guideline Required	<0.0003	19	<0.00001 - <0.0003	2/yr
Benzo(a)pyrene	mg/L	<0.0002	2	<0.00001	<0.0005	0.00001 MAC	<0.00001	17	<0.00001 - <0.0005	2/yr
Benzo(b)fluoranthene	mg/L	<0.0006	2			No Guideline Required	<0.0006	19	<0.00001 - <0.0006	2/yr
Benzo(g,h,i)perylene	mg/L	<0.0005	2			No Guideline Required	<0.0005	19	<0.00001 - <0.0005	2/yr
Benzo(k)fluoranthene	mg/L	<0.0005	2			No Guideline Required	<0.0005	19	<0.00001 - <0.0005	2/yr
Chrysene	mg/L	<0.0004	2			No Guideline Required	<0.0004	19	<0.00001 - <0.0004	2/yr
Dibenz(a,h)anthracene	mg/L	<0.0003	2			No Guideline Required	<0.0003	19	<0.00001 - <0.0003	2/yr
Fluoranthene	mg/L	<0.0003	2			No Guideline Required	<0.0003	19	<0.00005 - <0.0003	2/yr
Fluorene	mg/L	<0.0004	2			No Guideline Required	<0.0004	19	<0.00005 - <0.0004	2/yr
Indeno(1,2,3-c,d)pyrene	mg/L	<0.0005	2			No Guideline Required	<0.0005	19	<0.00001 - <0.0005	2/yr
Naphthalene	mg/L	<0.0006	2			No Guideline Required	<0.0006	19	<0.0003 - <0.0006	2/yr
Phenanthrene	mg/L	<0.0003	2			No Guideline Required	<0.0003	19	<0.00005 - <0.0003	2/yr
Pyrene	mg/L	<0.0002	2			No Guideline Required	<0.0002	19	<0.00002 - <0.0002	2/yr

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PARAMETER		2005 ANALYTICAL RESULTS				2005 CANADIAN GUIDELINES	TEN YEAR RESULTS (1996-2005)			Division
Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Phenols										
2,3,4,5-Tetrachlorophenol	mg/L	<0.00005	2				<0.00005	18		2/yr
2,3,4,6-Tetrachlorophenol	mg/L	<0.00005	2			0.1 MAC	<0.00005	18		2/yr
2,3,4-Trichlorophenol	mg/L	<0.0001	2				<0.0001	18		2/yr
2,3,5-Trichlorophenol	mg/L	<0.0001	2				<0.0001	18		2/yr
2,3,6-Trichlorophenol	mg/L	<0.0001	2				<0.0001	18		2/yr
2,3-Dichlorophenol	mg/L	<0.001	2				<0.001	17	<0.0001 - <0.001	2/yr
2,4,5-Trichlorophenol	mg/L	<0.0001	2				<0.0001	20		2/yr
2,4,6-Trichlorophenol	mg/L	<0.0001	2			0.005 MAC and \leq 0.002 AO	<0.0001	20		2/yr
2,4-Dichlorophenol	mg/L	<0.001	2			0.9 MAC and \leq 0.003 AO	<0.001	19	<0.0001 - <0.001	2/yr
2,4-Dimethylphenol	mg/L	<0.002	2				<0.002	13		2/yr
2,4-Dinitrophenol	mg/L	<0.010	2				<0.010	13		2/yr
2,5-Dichlorophenol	mg/L	<0.001	2				<0.001	17	<0.0001 - <0.001	2/yr
2,6-Dichlorophenol	mg/L	<0.001	2				<0.001	17	<0.0001 - <0.001	2/yr
2-Chlorophenol	mg/L	<0.001	2				<0.001	19	<0.0001 - <0.001	2/yr
2-Methylphenol	mg/L	<0.002	2				<0.002	13		2/yr
2-Nitrophenol	mg/L	<0.002	2				<0.002	13		2/yr
3,4,5-Trichlorophenol	mg/L	<0.0001	2				<0.0001	18		2/yr
3,4-Dichlorophenol	mg/L	<0.001	2				<0.001	17	<0.0001 - <0.001	2/yr
3,5-Dichlorophenol	mg/L	<0.001	2				<0.001	17	<0.0001 - <0.001	2/yr
3-Chlorophenol	mg/L	<0.001	2				<0.001	17	<0.0005 - <0.001	2/yr
4,6-Dinitro-2-methylphenol	mg/L	<0.010	2				<0.010	13		2/yr
4-Chloro-3-Methylphenol	mg/L						<0.001	4		Special
4-Chlorophenol	mg/L	<0.001	2				<0.001	16		2/yr
4-Methylphenol	mg/L	<0.003	2				<0.003	13		2/yr
4-Nitrophenol	mg/L	<0.002	2				<0.002	13		2/yr
Pentachlorophenol	mg/L	<0.00005	2			0.06 MAC and \leq 0.030 AO	<0.00005	20	<0.00005 - <0.002	2/yr
Phenol	mg/L	<0.001	2			No Guideline Required	<0.001	13		2/yr
Total Phenolics	mg/L	0.002	2	<0.001	0.003		0.002	12	<0.001 - 0.004	2/yr
Total Trichlorophenols	mg/L	<0.0001	2				<0.0001	13	<0.00005 - <0.0001	2/yr
Total Tetrachlorophenols	mg/L	<0.00005	2				<0.00005	13		2/yr
Total Chlorinated Phenols	mg/L	<0.00005	2				<0.00005	13	<0.00005 - <0.0001	2/yr

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PARAMETER		2005 ANALYTICAL RESULTS				2005 CANADIAN GUIDELINES	TEN YEAR RESULTS (1996-2005)			Division
Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Other Synthetic Chemicals										
1,1,1-Trichloroethane	mg/L	<0.0001	2				<0.0001	19		2/yr
1,1,2,2-Tetrachloroethane	mg/L	<0.0002	2				<0.0002	19		2/yr
1,1,2-Trichloroethane	mg/L	<0.0001	2				<0.0001	19		2/yr
1,1-Dichloroethane	mg/L	<0.0001	2				<0.0001	19		2/yr
1,1-Dichloroethylene	mg/L	<0.0001	2			0.014 MAC	<0.0001	19		2/yr
1,2,4-Trichlorobenzene	mg/L	<0.0005	2				<0.0005	17		2/yr
1,2-Dibromoethane	mg/L	<0.0001	2				<0.0001	19		2/yr
1,2-Dichlorobenzene	mg/L	<0.0001	2			0.20 MAC and \leq 0.003 AO	<0.0001	19		2/yr
1,2-Dichloroethane	mg/L	<0.0004	2			0.005 IMAC	<0.0004	19		2/yr
1,2-Dichloroethylene (cis)	mg/L	<0.0001	2				<0.0001	19		2/yr
1,2-Dichloroethylene (trans)	mg/L	<0.0001	2				<0.0001	19		2/yr
1,2-Dichloropropane	mg/L	<0.0001	2				<0.0001	19		2/yr
1,3-Dichlorobenzene	mg/L	<0.0001	2				<0.0001	19		2/yr
1,3-Dichloropropene (cis)	mg/L	<0.0001	2				<0.0001	19		2/yr
1,3-Dichloropropene (trans)	mg/L	<0.0001	2				<0.0001	19		2/yr
1,4-Dichlorobenzene	mg/L	<0.0001	2			0.005 MAC and \leq 0.001 AO	<0.0001	19		2/yr
2,4-Dinitrotoluene	mg/L	<0.0007	2				<0.0007	17		2/yr
2,6-Dinitrotoluene	mg/L	<0.002	2				<0.002	17		2/yr
2-Butanone	mg/L	<0.005	2				<0.005	19		2/yr
2-Chloronaphthalene	mg/L	<0.0007	2				<0.0007	17		2/yr
2-Hexanone	mg/L	<0.002	2				<0.005	19		2/yr
2-Methylnaphthalene	mg/L	<0.003	2				<0.003	17		2/yr
2-Nitroaniline	mg/L	<0.004	2				<0.004	17		2/yr
3,3'-Dichlorobenzidene	mg/L	<0.003	2				<0.003	17		2/yr
3-Nitroaniline	mg/L	<0.003	2				<0.003	17		2/yr
4-Bromophenyl-phenylether	mg/L	<0.0003	2				<0.0003	17		2/yr
4-Chloroaniline	mg/L	<0.005	2				<0.005	17		2/yr
4-Chlorophenyl-phenylether	mg/L	<0.0004	2				<0.0004	17		2/yr
4-Methyl-2-pentanone	mg/L	<0.002	2				<0.002	19		2/yr
4-Nitroaniline	mg/L	<0.004	2				<0.004	17		2/yr
Aminomethylphosphonic Acid (AMPA)	mg/L	<0.0225	2	<0.010	<0.035		<0.035	16	<0.010 - <0.035	2/yr
Aniline	mg/L	<0.005	2				<0.005	17		2/yr
Azobenzene	mg/L	<0.0006	2				<0.0006	17		2/yr

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Parameter	Units of	Median	Samples	Range		(Provides reference only	Median	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for raw water)	Value	Analyzed	Minimum-Maximum	Frequency
Benzene	mg/L	<0.0001	2			0.005 MAC	<0.0001	20	<0.00001 - <0.0001	2/yr
Benzyl Alcohol	mg/L	<0.003	2				<0.003	17		2/yr
Bis(-2-chloroethoxy)methane	mg/L	<0.0006	2				<0.0006	17		2/yr
Bis(-2-chloroethyl)ether	mg/L	<0.0006	2				<0.0006	17		2/yr
Bis(2-chloroisopropyl)ether	mg/L	<0.0005	2				<0.0005	17		2/yr
Bis(2-ethylhexyl) phthalate	mg/L	<0.008	3	<0.008	0.031		<0.008	18	<0.008 - 0.031	2/yr
Bromomethane	mg/L	<0.0008	2				<0.0008	19		2/yr
Butylbenzyl phthalate	mg/L	<0.009	2				<0.009	17		2/yr
Carbon Tetrachloride	mg/L	<0.0001	2			0.005 MAC	<0.0001	19		2/yr
Chloroethane	mg/L	<0.0004	2				<0.0004	19		2/yr
Chloromethane	mg/L	<0.0004	2				<0.0004	18		2/yr
Dibenzofuran	mg/L	<0.002	2				<0.002	17		2/yr
Dibromomethane	mg/L	<0.0002	2				<0.0002	19		2/yr
Dichlorodifluoromethane	mg/L	<0.0002	2				<0.0002	19		2/yr
Diethyl phthalate	mg/L	<0.0003	2				<0.0003	17		2/yr
Dimethyl phthalate	mg/L	<0.0006	2				<0.0006	17		2/yr
Di-n-butyl phthalate	mg/L	<0.030	2				<0.030	17		2/yr
Di-n-ocyl phthalate	mg/L	<0.0008	2				<0.0008	17		2/yr
Diuron	mg/L	<0.0005	2			0.15 MAC	<0.0005	8		2/yr
Ethylbenzene	mg/L	<0.0001	2			≤0.0024 AO	<0.0001	20	<0.00001 - <0.0001	2/yr
Formaldehyde	mg/L	<0.0001	1			No Guideline Required	<0.0001	11		2/yr
Hexachlorobenzene	mg/L	<0.0004	2				<0.0004	17	<0.0004 - <0.00045	2/yr
Hexachlorobutadiene	mg/L	<0.002	2				<0.002	17		2/yr
Hexachlorocyclopentadiene	mg/L	<0.005	2				<0.005	17		2/yr
Hexachloroethane	mg/L	<0.002	2				<0.002	17		2/yr
Isophorone	mg/L	<0.001	2				<0.001	17		2/yr
Methylene Chloride	mg/L	<0.006	2			0.05 MAC	<0.006	19		2/yr
Methyl-tert-butyl-ether (MTBE)	mg/L	<0.0005	1			0.015 AO	<0.0005	11		Special
Monochlorobenzene	mg/L	<0.0001	2			0.08 MAC	<0.0001	19		2/yr
Nitrobenzene	mg/L	<0.0009	2				<0.0009	17	<0.0009 - <0.001	2/yr
N-nitroso-di-n-propylamine	mg/L	<0.008	2				<0.008	17		2/yr
N-nitrosodiphenylamine	mg/L	<0.0003	2				<0.0003	17		2/yr
Styrene	mg/L	<0.0001	2				<0.0001	19		2/yr
Tetrachloroethylene	mg/L	<0.0001	2			0.03 MAC	<0.0001	19		2/yr
Toluene	mg/L	<0.0001	2			≤0.024 AO	<0.0001	20	<0.00001 - <0.0001	2/yr
Trichloroethylene	mg/L	<0.0001	2			0.005 MAC	<0.0001	19		2/yr
Trichlorofluoromethane	mg/L	<0.0002	2				<0.0002	19		2/yr
Vinyl Chloride	mg/L	<0.0002	2			0.002 MAC	<0.0002	19		2/yr
o-Xylene	mg/L						<0.00001	1		Special
m&p-Xylene	mg/L						<0.00001	1		Special
Xylenes (Total)	mg/L	<0.0001	2			≤0.3 AO	<0.0001	19		2/yr

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