

TABLE 1. 2006 UNTREATED (RAW) WATER QUALITY AT JAPAN GULCH PLANT

PARAMETER		2006 ANALYTICAL RESULTS				2006 CANADIAN GUIDELINES	TEN YEAR RESULTS (1997-2006)			
Parameter	Units of	Median	Samples	Range		(Provides reference only	Ten Year	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
<b>Physical Parameters</b>										
Alkalinity, Total	mg/L	15.0	23	9.1	17		14.7	316	7.0 - 17.6	26/yr
Carbon, Dissolved Organic	mg/L as C	2.4	14	2.2	3.3		2.5	81	1.8 - 7.0	12/yr
Carbon, Total Organic	mg/L as C	2.6	14	2.2	3.0	No Guideline Required	2.5	172	1.8 - 9.6	12/yr
Colour, True	TCU	7.9	57	4.4	17	≤ 15 AO	7.9	586	2.8 - 18	52/yr
Conductivity @ 25 C	uS/cm	42.2	50	34.7	45.8		41.3	527	26.2 - 47.0	52/yr
Hardness	mg/L	17.4	20	15.5	34.7	No Guideline Required	17.1	130	9.3 - 34.7	24/yr
pH	pH units	7.29	50	6.68	7.51	6.5 - 8.5 AO	7.3	531	6.46 - 7.72	52/yr
Tannins and Lignins	mg/L	0.24	4	0.19	0.29	No Guideline Required	0.26	25	<0.07 - 0.37	2/yr
Total Dissolved Solids	mg/L	25.4	43	20.5	34.2	≤ 500 AO	25.4	202	8.0 - 49.0	36/yr
Total Suspended Solids	mg/L	1.0	43	<0.1	6.0		0.7	201	<0.1 - 7.7	36/yr
Total Solids	mg/L	26.5	43	22.0	35.0		26.4	202	8.0 - 53.0	36/yr
Turbidity, Grab Samples	NTU	0.41	247	0.26	2.8		0.36	2,151	0.12 - 2.8	250/yr
Ultraviolet Absorption, 5cm	Abs.@254 nm	0.322	50	0.247	0.575		0.325	397	0.215 - 0.656	52/yr
Ultraviolet Transmittance	%	86	232	76	90		86	1,241	75 - 91	250/yr
Water Temp., Field	degrees C	9.9	272	4.5	19.6	≤ 15 AO	10	2,772	3.0 - 23.0	250/yr
<b>Non-Metallic Inorganic Chemicals</b>										
Ammonia, Total	ug/L as N	1.16	12	<0.25	18.3	No Guideline Required	5	120	<0.18 - 63.6	12/yr
Bromide	mg/L as Br	0.005	12	<0.002	0.01		0.003	52	<0.0008 - 0.011	12/yr
Chloride	mg/L as Cl	5.2	2	4.0	6.4	≤ 250 AO	2.51	20	1.77 - 3.26	2/yr
Cyanide	mg/L as Cn	<0.008	2	<0.002	<0.015	0.2 MAC	<0.008	21	<0.0005 - <0.015	2/yr
Fluoride	ug/L as F	<7	2			1500 MAC	8.4	20	<2.0 - 43	2/yr
Nitrate, Dissolved	ug/L as N	29.7	13	2.6	56.9		15	96	<0.3 - 97.8	12/yr
Nitrite, Dissolved	ug/L as N	<0.3	13	<0.16	<0.3		<0.3	91	<0.16 - 6.85	12/yr
Nitrogen, Total	ug/L as N	100	13	66	304		94	68	17 - 304	12/yr
Phosphate, Ortho, Diss	ug/L as P	0.90	13	<0.14	1.67		0.90	94	<0.09 - 4.41	12/yr
Phosphate, Total, Diss	ug/L as P	2.25	12	0.90	4.04		2.6	94	<0.2 - 7.8	12/yr
Phosphate, Total	ug/L as P	5.17	13	<0.7	8.01		4.4	95	<0.7 - 9.6	12/yr
Silicon	mg/L as Si	1.96	13	1.45	22.80		1.86	41	1.18 - 22.8	12/yr
Sulphate	mg/L as SO <sub>4</sub>	1.57	12	1.42	3.96	≤ 500 AO	1.58	77	<0.08 - 7.4	12/yr
Sulphide	mg/L as H <sub>2</sub> S	<0.03	2	<0.015	<0.05	≤ 0.05 AO	<0.05	22	0.002 - <0.40	2/yr
Sulphur	mg/L as S	0.6	11	0.5	0.7		0.6	48	0.5 - 0.7	12/yr

mg/L = milligrams per litre  
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CFU = Colony Forming Units  
 NTU = Nephelometric Units  
 TCU = True Colour

AO = Aesthetic Objective  
 MAC = Max. Acceptable Conc.

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PARAMETER		2006 ANALYTICAL RESULTS				2006 CANADIAN GUIDELINES	TEN YEAR RESULTS (1997-2006)			
Parameter	Units of	Median	Samples	Range		(Provides reference only	Ten Year	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
<b>Metallic Inorganic Chemicals</b>										
Aluminum	mg/L as Al	0.020	13	<0.008	0.17		0.02	62	<0.008 - 0.17	12/yr
Antimony	mg/L as Sb	<0.001	14	<0.0005	<0.05	0.006 MAC	<0.05	63	<0.000005 - 0.234	12/yr
Arsenic	mg/L as As	<0.0005	3	<0.0005	<0.001	0.025 MAC (Under Review)	<0.0005	18	0.00006 - <0.001	2/yr
Barium	mg/L as Ba	0.005	13	<0.004	0.016	1.0 MAC	<0.005	64	<0.002 - 0.04	12/yr
Beryllium	mg/L as Be	<0.0002	13	<0.0002	<0.003		<0.0002	62	<0.0002 - <0.003	12/yr
Bismuth	mg/L as Bi	<0.05	11				<0.05	47	<0.05	12/yr
Boron	mg/L as B	<0.008	13	<0.008	0.33	5 MAC	<0.008	64	<0.002 - 0.64	12/yr
Cadmium	mg/L as Cd	<0.0001	14	<0.00001	<0.002	0.005 MAC	<0.001	63	<0.00001 - <0.006	12/yr
Calcium	mg/L as Ca	5.28	13	4.53	10.2	No Guideline Requirec	5.13	64	2.75 - 13.9	12/yr
Chromium	mg/L as Cr	<0.001	13	<0.001	<0.01	0.05 MAC	<0.005	62	0.0002 - 0.044	12/yr
Cobalt	mg/L as Co	<0.0005	14	<0.0005	<0.02		<0.005	63	0.00003 - 0.024	12/yr
Copper	mg/L as Cu	0.003	13	<0.0006	0.90	≤ 1.0 AO	<0.005	61	0.0004 - 0.90	12/yr
Gold	mg/L as Au	<0.04	2				<0.04	16	<0.0000001 - 0.054	Irregular
Iron	mg/L as Fe	0.03	13	0.02	0.17	≤ 0.3 AO	0.043	62	<0.01 - 0.169	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	3			0.010 MAC	<0.0005	17	<0.00002 - 0.00182	2/yr
Magnesium	mg/L as Mg	1.26	13	1.08	2.22	No Guideline Requirec	1.2	64	0.58 - 3.11	12/yr
Manganese	mg/L as Mn	0.009	13	0.003	0.019	≤ 0.05 AO	<0.008	62	<0.003 - 0.031	12/yr
Mercury, Methyl	ng/L as Hg	<0.01	8	<0.001	0.02		<0.02	46	<0.01 - 0.087	6/yr
Mercury, Total	ng/L as Hg	0.92	11	0.37	<10	1000 MAC	0.91	54	0.05 - 3.31	12/yr
Molybdenum	mg/L as Mo	<0.005	13	<0.005	<0.02		<0.005	64	<0.00006 - 0.028	12/yr
Nickel	mg/L as Ni	<0.008	13	<0.008	<0.05		<0.008	64	0.0002 - 0.066	12/yr
Phosphorus	mg/L as P	<0.1	13				<0.1	64	<0.01 - 0.219	12/yr
Potassium	mg/L as K	<1	13	0.83	1.09	Guideline in Preparati	<1	67	0.006 - 1.09	12/yr
Scandium	mg/L as Sc	<0.05	2				<0.05	15	0.0009 - 0.058	Irregular
Selenium	mg/L as Se	<0.001	3	<0.00005	<0.001	0.01 MAC	<0.001	31	<0.00005 - <0.005	2/yr
Silver	mg/L as Ag	<0.0001	14	<0.0001	<0.01	No Guideline Requirec	<0.01	63	<0.00001 - <0.01	12/yr
Sodium	mg/L as Na	1.74	13	1.54	2.59	≤ 200 AO	1.73	67	<0.05 - 2.8	12/yr
Strontium	mg/L as Sr	0.016	13	0.014	0.032		0.015	64	0.011 - 0.032	12/yr
Tellurium	mg/L as Te						<0.05	23		Irregular
Thallium	ug/L as Tl	<0.1	12	<0.1	<30		<30	48	0.01 - <30	12/yr
Tin	mg/L as Sn	<0.02	11				<0.02	50	<0.00002 - <0.06	12/yr
Titanium	mg/L as Ti	<0.003	13	<0.003	0.012		<0.003	64	0.0006 - 0.017	12/yr
Tungsten	mg/L as W	0.061	2	<0.05	0.072		<0.05	15	0.000005 - 0.081	Irregular
Uranium	mg/L as U	<0.0001	9			0.02 MAC	<0.0001	19	<0.000005 - <0.001	Irregular
Vanadium	mg/L as V	<0.005	13	<0.005	<0.01		<0.005	64	0.00018 - 0.014	12/yr
Zinc	mg/L as Zn	<0.005	13	<0.005	0.046	≤ 5.0 AO	<0.005	64	<0.0005 - 0.057	12/yr
Zirconium	ug/L as Zr	<5.0	11				<5.0	49	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 untreated water)	Ten Year Median	Samples Analyzed	Range Minimum-Maximum	Sampling Frequency
<b>Microbial Parameters</b>										
<b>Coliform Bacteria</b>										
Coliform, Total	CFU/100 mL	94	248	14	2,240		20	2,475	<1 - 15,000	250/yr
Coliform, Fecal	CFU/100 mL	Changed to E.coli analysis in 2004					<1	1,547	<1 - 18	Discontinued
<i>E. coli</i>	CFU/100 mL	0	248	0	20		<1	967	<1 - 24	250/yr
Coliform, Background	CFU/100 mL	198	247	0	3,863		552	2,472	<1 - 109,278	250/yr
<b>Heterotrophic /Other Bacteria</b>										
Hetero. Plate Count, 28C (7 day)	CFU/1 mL	460	245	80	3,140		370	2,441	<10 - 20,000	250/yr
Hetero. Plate Count, 35C (2 day)	CFU/1 mL	Discontinued in 2005					32	1,948	<1 - 20,000	Discontinued
<i>Aeromonas</i> species	CFU/100 mL	224	204	20	1,456		240	747	2 - 51,000	Special
<b>Cyanobacterial Toxins</b>										
Anatoxin a	ug/L						<0.2	6	<0.16 - <1.0	Special
Microcystin-LR	ug/L	<0.22	1			1.5 MAC	<0.22	7	<0.083 - <1.0	Special
Other Microcystins	ug/L						<0.16	2		Special
<b>Parasites</b>										
						No MAC Established				
<i>Cryptosporidium</i> , Total oocysts	oocysts/100 L	0	25			Zero detection desirable	0	291	0 - 6.2	26/yr
<i>Cryptosporidium</i> , Viable oocysts	oocysts/100 L	0	25			Zero detection desirable	0	262	0 - 1.2	26/yr
<i>Giardia</i> , Total cysts	cysts/100 L	0	25	0	1.3	Zero detection desirable	0	291	0 - 5	26/yr
<i>Giardia</i> , Viable cysts	cysts/100 L	0	25			Zero detection desirable	0	262	0 - 2	26/yr
<b>Radiological Parameters</b>										
Gross alpha radiation	Bq/L	0.03	2	0.01	0.05	0.1 (Screening)	<0.02	16	<0.01 - 0.07	2/yr
Gross beta radiation	Bq/L	0.04	2	0.04	0.05	1.0 (Screening)	<0.02	16	<0.02 - 0.05	2/yr

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Name	Measure	Value	Analyzed	Minimum Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
<b>Organic Parameters</b>									
<b>Pesticides/Herbicides</b>									
1,4-DDD	mg/L	<0.00001	2			<0.00001	3		2/yr
1,4'-DDE	mg/L	<0.00001	2			<0.00001	20	<0.00001 - <0.00004	2/yr
1,4'-DDT	mg/L	<0.00001	2		No Guideline Required	<0.00001	20	<0.00001 - <0.00001	2/yr
2,4,5-T	mg/L	<0.0001	2		No Guideline Required	<0.0001	20	<0.0001 - <0.0005	2/yr
2,4,5-TP (Silvex)	mg/L	<0.0001	2		No Guideline Required	<0.0001	20	<0.0001 - <0.0005	2/yr
2,4-D	mg/L	<0.0004	2		0.1 MAC	<0.0004	20	<0.0004 - <0.0005	2/yr
2,4-DB	mg/L	<0.001	2			<0.001	20	<0.0005 - <0.001	2/yr
3-Hydroxy Carbofuran	mg/L	<0.0002	2			<0.0002	20		2/yr
4,4'-DDD	mg/L	<0.00003	2			<0.00003	20	<0.00003 - <0.00001	2/yr
4,4'-DDE	mg/L	<0.00001	2			<0.00001	20	<0.00001 - <0.00004	2/yr
4,4'-DDT	mg/L	<0.00001	2		No Guideline Required	<0.00001	20	<0.00001 - <0.00001	2/yr
Alachlor	mg/L	<0.0002	2			<0.0002	20	<0.0002 - <0.0003	2/yr
Aldicarb	mg/L	<0.0005	2		0.009 MAC	<0.0005	20		2/yr
Aldicarb Sulfone	mg/L	<0.0003	2			<0.0003	20		2/yr
Aldicarb Sulfoxide	mg/L	<0.0008	2			<0.0008	20		2/yr
Aldrin	mg/L	<0.00001	2		0.0007 MAC	<0.00001	20	<0.00001 - <0.00004	2/yr
Atrazine	mg/L	<0.0001	2		0.005 MAC	<0.0001	20	<0.0001 - <0.0002	2/yr
Azinphos-methyl	mg/L	<0.001	2		0.02 MAC	<0.001	20	<0.001 - <0.005	2/yr
BHC (alpha)	mg/L	<0.00002	2			<0.00002	20	<0.00002 - <0.00003	2/yr
BHC (beta)	mg/L	<0.00003	2			<0.00003	20	<0.00003 - <0.00006	2/yr
BHC (delta)	mg/L	<0.00001	2			<0.00001	20	<0.00001 - <0.00001	2/yr
Bendiocarb	mg/L	<0.0002	2		0.04 MAC	<0.001	9	<0.0002 - <0.001	2/yr
Bromacil	mg/L	<0.0002	2			<0.0002	20	<0.0002 - <0.0014	2/yr
Bromoxynil	mg/L	<0.00002	2		0.005 MAC	<0.00002	8		2/yr
Butylate	mg/l	<0.0002	2			<0.0002	20		2/yr
Carbaryl	mg/L	<0.0002	2		0.09 MAC	<0.0002	20		2/yr
Carbofuran	mg/L	<0.0002	2		0.09 MAC	<0.0002	20	<0.0002 - <0.0003	2/yr
Chlordane (alpha)	mg/L	<0.00001	2		No Guideline Required	<0.00001	20	<0.00001 - <0.00001	2/yr
Chlordane (gamma)	mg/L	<0.00001	2		No Guideline Required	<0.00001	20	<0.00001 - <0.00001	2/yr
Chlorfenvinphos	mg/L	<0.0004	2			<0.0004	20		2/yr
Chlorpropham	mg/L	<0.001	2			<0.001	20		2/yr
Chlorpyrifos	mg/L	<0.00002	2		0.09 MAC	<0.00006	20	<0.00002 - <0.0003	2/yr
Dematon	mg/L	<0.0008	2			<0.0008	20		2/yr
Diazinon	mg/L	<0.00003	2		0.02 MAC	<0.00003	20	<0.00003 - <0.0002	2/yr
Dicamba	mg/L	<0.0001	2		0.12 MAC	<0.0001	20	<0.0001 - <0.0005	2/yr
Dieldrin	mg/L	<0.00002	2			<0.00002	20		2/yr
Dimethoate	mg/L	<0.0002	2		0.02 MAC	<0.0002	20	<0.0002 - <0.0004	2/yr
Dioxacarb	mg/L	<0.0008	2			<0.0008	20		2/yr

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Parameter	Units of	Median	Samples	Range		(Provides reference only	Ten Year	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
Disulfoton	mg/L	<0.0002	2				<0.0002	20		2/yr
Endosulfan I	mg/L	<0.00001	2				<0.00001	20	<0.00001 - <0.0001	2/yr
Endosulfan II	mg/L	<0.00002	2				<0.00002	20	<0.00002 - <0.00004	2/yr
Endosulfan Sulphate	mg/L	<0.00002	2				<0.00002	20	<0.00002 - <0.00007	2/yr
Endrin	mg/L	<0.00002	2			No Guideline Required	<0.00002	20	<0.00002 - <0.00006	2/yr
Endrin Aldehyde	mg/L	<0.00005	2				<0.00005	20	<0.00005 - <0.0002	2/yr
Ethion	mg/L	<0.0003	2				<0.0003	20		2/yr
Fenitrothion	mg/L	<0.0005	2				<0.0005	20		2/yr
Fenthion	mg/L	<0.0006	2				<0.0006	20		2/yr
Fonofos	mg/L	<0.0002	2				<0.0002	20		2/yr
Glyphosate	mg/L	<0.001	2			0.28 MAC	<0.035	20	<0.00002 - <0.065	2/yr
Heptachlor	mg/L	<0.00002	2			No Guideline Required	<0.00002	20	<0.00002 - <0.0003	2/yr
Heptachlor Epoxide	mg/L	<0.00001	2			No Guideline Required	<0.00001	20	<0.00001 - <0.0008	2/yr
Hexazinone	mg/L	<0.0008	2				<0.0008	20		2/yr
Isofenphos	mg/L	<0.0004	2				<0.0004	20		2/yr
Lindane (BHC-gamma)	mg/L	<0.00001	2			No Guideline Required	<0.00001	20	<0.00001 - <0.00004	2/yr
Malathion	mg/L	<0.0002	2			0.19 MAC	<0.0002	20	<0.0002 - <0.0006	2/yr
MCPA	mg/L	<0.0001	2			Guideline in Preparation	<0.050	20	<0.0001 - <0.050	2/yr
MCPP	mg/L	<0.0001	2				<0.100	20	<0.0001 - <.100	2/yr
Methidathion	mg/L	<0.0003	2				<0.0003	20		2/yr
Methiocarb	mg/L	<0.0003	2				<0.0003	20		2/yr
Methomyl	mg/L	<0.0003	2				<0.0003	20		2/yr
Methoxychlor	mg/L	<0.00004	2			0.9 MAC	<0.00004	20	<0.00004 - <0.002	2/yr
Methyl-Parathion	mg/L	<0.0002	2			No Guideline Required	<0.0002	20		2/yr
Metolachlor	mg/L	<0.0008	2			0.05 MAC	<0.0008	20		2/yr
Mevinphos	mg/L	<0.0004	2				<0.0004	20		2/yr
Monocrotophos	mg/L	<0.001	2				<0.001	20		2/yr
Oxamyl	mg/L	<0.0003	2				<0.0003	20		2/yr
Parathion	mg/L	<0.0002	2			0.05 MAC	<0.0002	20		2/yr
Phorate	mg/L	<0.0002	2			0.002 MAC	<0.0002	20		2/yr
Phosalone	mg/L	<0.001	2				<0.001	20		2/yr
Phosmet	mg/L	<0.005	2				<0.005	20		2/yr
Picloram	mg/L	<0.0001	2			0.19 MAC	<0.0001	20	<<0.0001 - <0.0002	2/yr
Promecarb	mg/L	<0.0002	2				<0.0002	20		2/yr
Propazine	mg/L	<0.0001	2				<0.0001	20		2/yr
Propoxur	mg/L	<0.0002	2				<0.0002	20		2/yr
Simazine	mg/L	<0.0001	2			0.01 MAC	<0.0001	20		2/yr
Terbufos	mg/L	<0.0005	2			0.001 MAC	<0.0005	20	<0.0005 - <0.0009	2/yr
Tetrachlovinphos	mg/L	<0.0002	2				<0.0002	20		2/yr
Toxaphene	mg/L	<0.00008	2			No Guideline Required	<0.00154	20	<0.00008 - <0.003	2/yr

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Name	Measure	Value	Analyzed	Minimum	Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
<b>Polycyclic Aromatic Hydrocarbons (PAH's)</b>										
Acenaphthene	mg/L	<0.0004	2			No Guideline Required	<0.0004	18		2/yr
Acenaphthylene	mg/L	<0.0007	2			No Guideline Required	<0.0007	18		2/yr
Acridine	mg/L	<0.0003	2			No Guideline Required	<0.0003	18		2/yr
Anthracene	mg/L	<0.0002	2			No Guideline Required	<0.0002	18		2/yr
Benzo(a)anthracene	mg/L	<0.0003	2			No Guideline Required	<0.0003	18		2/yr
Benzo(a)pyrene	mg/L	<0.0005	2			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	18		2/yr
Benzo(g,h,i)perylene	mg/L	<0.0005	2			No Guideline Required	<0.0005	18		2/yr
Benzo(k)fluoranthene	mg/L	<0.0005	2			No Guideline Required	<0.0005	18		2/yr
Chrysene	mg/L	<0.0004	2			No Guideline Required	<0.0004	18		2/yr
Dibenz(a,h)anthracene	mg/L	<0.0003	2			No Guideline Required	<0.0003	18		2/yr
Fluoranthene	mg/L	<0.0003	2			No Guideline Required	<0.0003	18		2/yr
Fluorene	mg/L	<0.0004	2			No Guideline Required	<0.0004	18		2/yr
Indeno(1,2,3-c,d)pyrene	mg/L	<0.0005	2			No Guideline Required	<0.0005	18		2/yr
Naphthalene	mg/L	<0.0006	2			No Guideline Required	<0.0006	18		2/yr
Phenanthrene	mg/L	<0.0003	2			No Guideline Required	<0.0003	18		2/yr
Pyrene	mg/L	<0.0002	2			No Guideline Required	<0.0002	18		2/yr

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PARAMETER		2006 ANALYTICAL RESULTS				2006 CANADIAN GUIDELINES	TEN YEAR RESULTS (1997-2006)			
Parameter Name	Units of Measure	Median Value	Samples Analyzed	Range Minimum Maximum		(Provides reference only for untreated water)	Ten Year Median	Samples Analyzed	Range Minimum-Maximum	Sampling Frequency
<b>Phenols</b>										
2,3,4,5-Tetrachlorophenol	mg/L	<0.00005	2				<0.00005	20		2/yr
2,3,4,6-Tetrachlorophenol	mg/L	<0.00005	2			0.1 MAC and $\leq$ 0.001 AO	<0.00005	20		2/yr
2,3,4-Trichlorophenol	mg/L	<0.0001	2				<0.0001	20		2/yr
2,3,5-Trichlorophenol	mg/L	<0.0001	2				<0.0001	20		2/yr
2,3,6-Trichlorophenol	mg/L	<0.0001	2				<0.0001	20		2/yr
2,3-Dichlorophenol	mg/L	<0.0001	2				<0.001	19	<0.0001 - <0.001	2/yr
2,4,5-Trichlorophenol	mg/L	<0.0001	2				<0.0001	21	<0.0001 - <0.001	2/yr
2,4,6-Trichlorophenol	mg/L	<0.0001	2			0.005 MAC and $\leq$ 0.002 AO	<0.0001	21	<0.0001 - <0.001	2/yr
2,4-Dichlorophenol	mg/L	<0.0001	2			0.9 MAC and $\leq$ 0.003 AO	<0.001	20	<0.0001 - <0.001	2/yr
2,4-Dimethylphenol	mg/L	<0.002	2				<0.002	14		2/yr
2,4-Dinitrophenol	mg/L	<0.010	2				<0.010	14		2/yr
2,5-Dichlorophenol	mg/L	<0.0001	2				<0.001	19	<0.0001 - <0.001	2/yr
2,6-Dichlorophenol	mg/L	<0.0001	2				<0.001	19	<0.0001 - <0.001	2/yr
2-Chlorophenol	mg/L	<0.0001	2				<0.001	20	<0.0001 - <0.001	2/yr
2-Methylphenol	mg/L	<0.002	2				<0.002	14		2/yr
2-Nitrophenol	mg/L	<0.002	2				<0.002	14		2/yr
3,4,5-Trichlorophenol	mg/L	<0.0001	2				<0.0001	20		2/yr
3,4-Dichlorophenol	mg/L	<0.0001	2				<0.001	19	<0.0001 - <0.001	2/yr
3,5-Dichlorophenol	mg/L	<0.0001	2				<0.001	19	<0.0001 - <0.001	2/yr
3-Chlorophenol	mg/L	<0.0001	2				<0.001	19	<0.0005 - <0.001	2/yr
4,6-Dinitro-2-methylphenol	mg/L	<0.010	2				<0.010	14		2/yr
4-Chloro-3-Methylphenol	mg/L						<0.001	3		Special
4-Chlorophenol	mg/L	<0.0001	2				<0.001	18	<0.0001 - <0.001	2/yr
4-Methylphenol	mg/L	<0.003	2				<0.003	14		2/yr
4-Nitrophenol	mg/L	<0.002	2				<0.002	14		2/yr
Pentachlorophenol	mg/L	<0.00005	2			0.06 MAC and $\leq$ 0.030 AO	<0.00005	21	<0.00005 - <0.002	2/yr
Phenol	mg/L	<0.001	2			No Guideline Required	<0.001	14		2/yr
Total Phenolics	mg/L	0.0025	2	<0.001	0.0025		0.002	14	<0.001 - 0.004	2/yr
Total Trichlorophenols	mg/L	<0.0001	2				<0.0001	15	<0.00005 - <0.0001	2/yr
Total Tetrachlorophenols	mg/L	<0.00005	2				<0.00005	15		2/yr
Total Chlorinated Phenols	mg/L	<0.00005	2				<0.00005	15	<0.00005 - <0.0001	2/yr

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PARAMETER		2006 ANALYTICAL RESULTS			2006 CANADIAN GUIDELINES	TEN YEAR RESULTS (1997-2006)				
Parameter	Units of	Median	Samples	Range		(Provides reference only	Ten Year	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
<b>Other Synthetic Chemicals</b>										
1,1,1-Trichloroethane	mg/L	<0.0001	2				<0.0001	20		2/yr
1,1,2,2-Tetrachloroethane	mg/L	<0.0002	2				<0.0002	20		2/yr
1,1,2-Trichloroethane	mg/L	<0.0001	2				<0.0001	20		2/yr
1,1-Dichloroethane	mg/L	<0.0001	2				<0.0001	20		2/yr
1,1-Dichloroethylene	mg/L	<0.0001	2			0.014 MAC	<0.0001	20		2/yr
1,2,4-Trichlorobenzene	mg/L	<0.0005	2				<0.0005	18		2/yr
1,2-Dibromoethane	mg/L	<0.0001	2				<0.0001	20		2/yr
1,2-Dichlorobenzene	mg/L	<0.0001	2			0.20 MAC and $\leq$ 0.003 AO	<0.0001	20		2/yr
1,2-Dichloroethane	mg/L	<0.0004	2			0.005 MAC	<0.0004	20		2/yr
1,2-Dichloroethylene (cis)	mg/L	<0.0001	2				<0.0001	20		2/yr
1,2-Dichloroethylene (trans)	mg/L	<0.0001	2				<0.0001	20		2/yr
1,2-Dichloropropane	mg/L	<0.0001	2				<0.0001	20		2/yr
1,3-Dichlorobenzene	mg/L	<0.0001	2				<0.0001	20		2/yr
1,3-Dichloropropene (cis)	mg/L	<0.0001	2				<0.0001	20		2/yr
1,3-Dichloropropene (trans)	mg/L	<0.0001	2				<0.0001	20		2/yr
1,4-Dichlorobenzene	mg/L	<0.0001	2			0.005 MAC and $\leq$ 0.001 AO	<0.0001	20		2/yr
2,4-Dinitrotoluene	mg/L	<0.0007	2				<0.0007	18		2/yr
2,6-Dinitrotoluene	mg/L	<0.002	2				<0.002	18		2/yr
2-Butanone	mg/L	<0.005	2				<0.005	20		2/yr
2-Chloronaphthalene	mg/L	<0.0007	2				<0.0007	18		2/yr
2-Hexanone	mg/L	<0.005	2				<0.005	20		2/yr
2-Methylnaphthalene	mg/L	<0.003	2				<0.003	18		2/yr
2-Nitroaniline	mg/L	<0.004	2				<0.004	18		2/yr
3,3'-Dichlorobenzidene	mg/L	<0.003	2				<0.003	18		2/yr
3-Nitroaniline	mg/L	<0.003	2				<0.003	18		2/yr
4-Bromophenyl-phenylether	mg/L	<0.0003	2				<0.0003	18		2/yr
4-Chloroaniline	mg/L	<0.005	2				<0.005	18		2/yr
4-Chlorophenyl-phenylether	mg/L	<0.0004	2				<0.0004	18		2/yr
4-Methyl-2-pentanone	mg/L	<0.002	2				<0.002	20		2/yr
4-Nitroaniline	mg/L	<0.004	2				<0.004	18		2/yr
Aminomethylphosphonic Acid (AMPA)	mg/L	<0.001	2				<0.035	18	<0.010 - <0.035	2/yr
Aniline	mg/L	<0.005	2				<0.005	18		2/yr
Azobenzene	mg/L	<0.0006	2				<0.0006	18		2/yr

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PARAMETER		2006 ANALYTICAL RESULTS				2006 CANADIAN GUIDELINES	TEN YEAR RESULTS (1997-2006)			
Parameter	Units of	Median	Samples	Range		(Provides reference only	Ten Year	Samples	Range	Sampling
Name	Measure	Value	Analyzed	Minimum	Maximum	for untreated water)	Median	Analyzed	Minimum-Maximum	Frequency
Benzene	mg/L	<0.0001	2			0.005 MAC	<0.0001	21	<0.00001 - <0.0001	2/yr
Benzyl Alcohol	mg/L	<0.003	2				<0.003	18		2/yr
Bis(-2-chloroethoxy)methane	mg/L	<0.00055	2	<0.0005	<0.0006		<0.0006	18	<0.0005 - <0.0006	2/yr
Bis(-2-chloroethyl)ether	mg/L	<0.0006	2				<0.0006	18		2/yr
Bis(2-chloroisopropyl)ether	mg/L	<0.0005	2				<0.0005	18		2/yr
Bis(2-ethylhexyl) phthalate	mg/L	<0.008	2				<0.008	19	<0.008 - 0.031	2/yr
Bromomethane	mg/L	<0.0008	2				<0.0008	20		2/yr
Butylbenzyl phthalate	mg/L	<0.009	2				<0.009	18		2/yr
Carbon Tetrachloride	mg/L	<0.0001	2			0.005 MAC	<0.0001	20		2/yr
Chloroethane	mg/L	<0.0004	2				<0.0004	20		2/yr
Chloromethane	mg/L	<0.0004	2				<0.0004	19		2/yr
Dibenzofuran	mg/L	<0.002	2				<0.002	18		2/yr
Dibromomethane	mg/L	<0.0002	2				<0.0002	20		2/yr
Dichlorodifluoromethane	mg/L	<0.0002	2				<0.0002	20		2/yr
Diethyl phthalate	mg/L	<0.0003	2				<0.0003	18		2/yr
Dimethyl phthalate	mg/L	<0.0006	2				<0.0006	18		2/yr
Di-n-butyl phthalate	mg/L	<0.030	2				<0.030	18		2/yr
Di-n-ocyl phthalate	mg/L	<0.0008	2				<0.0008	18		2/yr
Diuron	mg/L	<0.0005	2			0.15 MAC	<0.0005	10		2/yr
Ethylbenzene	mg/L	<0.0001	2			≤0.0024 AO	<0.0001	21	<0.00001 - <0.0001	2/yr
Formaldehyde	mg/L	<0.0001	1			No Guideline Required	<0.0001	12		2/yr
Hexachlorobenzene	mg/L	<0.0004	2				<0.0004	18	<0.0004 - <0.00045	2/yr
Hexachlorobutadiene	mg/L	<0.002	2				<0.002	18		2/yr
Hexachlorocyclopentadiene	mg/L	<0.005	2				<0.005	18		2/yr
Hexachloroethane	mg/L	<0.002	2				<0.002	18		2/yr
Isophorone	mg/L	<0.001	2				<0.001	18		2/yr
Methylene Chloride	mg/L	<0.006	2				<0.006	20		2/yr
Methyl-tert-butyl-ether (MTBE)	mg/L	<0.0005	1			0.015 (AO Proposed)	<0.0005	12		Special
Monochlorobenzene	mg/L	<0.0001	2			0.08 MAC and ≤ 0.03 AO	<0.0001	20		2/yr
N-nitrosodimethylamine (NDMA)	µg/L	0.002	1				0.002	1		Special
Nitrobenzene	mg/L	<0.0009	2				<0.0009	18	<0.0009 - <0.001	2/yr
N-nitroso-di-n-propylamine	mg/L	<0.008	2				<0.008	18		2/yr
N-nitrosodiphenylamine	mg/L	<0.0003	2				<0.0003	18		2/yr
Styrene	mg/L	<0.0001	2				<0.0001	20		2/yr
Tetrachloroethylene	mg/L	<0.0001	2			0.03 MAC	<0.0001	20		2/yr
Toluene	mg/L	<0.0001	2			≤0.024 AO	<0.0001	21	<0.00001 - <0.0001	2/yr
Trichloroethylene	mg/L	<0.0001	2			0.005 MAC	<0.0001	20		2/yr
Trichlorofluoromethane	mg/L	<0.0002	2				<0.0002	20		2/yr
Vinyl Chloride	mg/L	<0.0002	2			0.002 MAC	<0.0002	20		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	20		2/yr

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