WATER
COMMISSION
Kentville

2024 Annual Report on Town of Kentville Municipal Drinking Water

KENTVILLE WATER COMMISSION: JIM RAFUSE, LEROY DILLMAN & DAVID BELL

SUBMITTED TO NOVA SCOTIA DEPARTMENT OF ENVIRONMENT

Contents

PART 1 - STANDARD SUBMISSIONS

Has the Utility submitted following updates for the next year:

Required Submission	Yes	No	N/A
Contingency Plan	X		
Notification Procedure	X		
Annual Sampling Plan (including sampling points location)	X		
QA/QC	X		
Source Water Protection Plan	X		
Lab Information	X		
Operations Manual	X		
Staff List and certification	X		

PART 2 - WATER TREATMENT PLANT MONITORING

WATER TREATMENT

Table 1. Raw water flow - All Sources

Month	PROSPECT AVE Monthly Volume (L)	MITCHELL AVE. Monthly Volume (L)	TOTAL Monthly Volume (L)
January	110,875,437	1,448,906	112,324,343
February	129,369,538	3,873,055	133,242,593
March	74,955,205	10,343,523	85,298,728
April	104,959,103	27,328,002	132,287,105
May	116,247,695	30,002,867	146,250,561
June	126,140,918	30,443,528	156,584,447
July	131,940,356	37,741,089	169,681,445
August	131,972,538	38,802,628	170,775,166
September	129,469,093	35,963,563	165,432,656
October	121,596,069	30,767,392	152,363,461
November	113,942,218	27,828,126	141,770,344
December	115,059,615	26,436,941	141,496,556
Total for the year	**1,406,527,785**	**300,979,620**	**1,707,507,405**

Table 2. Raw water flow - East End Well # 1 (aka Mitchell East No. 1)

Month	Total Monthly Volume (L)	Monthly average withdrawal rate	Monthly maximum withdrawal rate
		(L/day)	(L/day) Over 3 Days
January	21,950,659	708,086	901,773
February	22,421,434	800,766	893,992
March	13,547,585	437,019	898,499
April	20,216,167	673,872	872,191
May	21,553,549	695,276	911,038
June	22,905,470	763,516	913,417
July	23,186,641	747,956	909,036
August	23,890,198	770,652	927,773
September	25,018,965	833,966	906,007
October	24,465,993	789,226	915,085
November	22,955,536	765,185	932,031
December	10,633,759	343,024	893,120
Total for the year	**252,745,956**	-	-
Maximum month	**25,018,965**	**833,966**	**6,573,181**
Average	**21,062,163**	**694,045**	**1,378,781**
Water withdraw Approval No 2003-037109-02	Withdrawal limit volume:		
	Annual 644,911,200 L		
	30-day 53,006,400 L		
	Withdrawal limit rate:		
	Average (over 30 days): 1,766,880 (L/day)		
	Maximum (Over 3 days): 1,964,160 (L/day)		

Comments:

Table 3. Raw water flow - East End Well # 2 (aka Mitchell East No. 2)

Month	Total Monthly Volume (L)	Monthly average withdrawal rate (L/day)	Monthly maximum withdrawal rate (L/day) Over 3 Days
January	40,310,107	1,300,326	1,329,081
February	37,056,848	1,323,459	1,306,564
March	25,126,239	810,524	1,342,506
April	40,263,396	1,342,113	1,361,183
May	41,284,003	1,331,742	1,363,867
June	39,517,142	1,317,238	1,366,694
July	41,211,892	1,329,416	1,362,249
August	41,307,724	1,332,507	1,523,488
September	39,884,962	1,329,499	1,469,133
October	41,786,432	1,347,949	1,392,985
November	40,563,661	1,352,122	1,387,423
December	39,761,517	1,282,630	1,338,286
Total for the year	**468,073,923**	-	-
Maximum month	**41,786,432**	**1,352,122**	**1,617,064**
Average	**39,006,160**	**1,283,294**	**1,404,656**
Water withdraw Approval No 2003-037109-02	Withdrawal limit (volume):		
	Annual 477,770,400 L		
	30 day 39,268, 800 L		
	Withdrawal limit (rate):		
	Average (over 30 days): 1,308,960 (L/day)		
	Maximum (Over 3 days): 1,571,040 (L/day)		

Comments:

Table 4. Raw water flow - Bonavista

Month	Total Monthly Volume (L)	Monthly average withdrawal rate	Monthly maximum withdrawal rate
		(L/day)	(L/day) over 3 days
January	17,825,937	575,030	572,036
February	17,907,576	596,919	595,310
March	8,716,423	290,547	724,592
April	9,911,658	330,389	427,403
May	11,652,124	388,404	368,089
June	14,354,252	478,475	742,387
July	15,810,805	527,027	729,202
August	15,704,668	523,489	526,907
September	14,678,588	489,286	442,876
October	12,242,625	408,087	505,682
November	11,460,575	382,019	536,136
December	13,693,159	456,439	713,752
Total for the year	**163,958,391**	-	-
Maximum month	**17,907,576**	**596,919**	**829,150**
Average	**13,663,199**	**453,843**	**580,928**
Water withdraw Approval No 2003-037109-02	Withdrawal limit (volume):		
	Annual 239,148,000 L		
	30 day 19,656,000 L		
	Withdrawal limit (rate):		
	Average (over 30 days): 655.200 (L/day)		
	Maximum (Over 3 days): 784,800(L/day)		

Comments:

Table 5. Raw water flow - West End Well # 1 (aka West End No. 1)

Month	Total Monthly Volume (L)	Monthly average withdrawal rate (L/day)	Monthly maximum withdrawal rate (L/day) Over 3 Days
January	25,007,086	806,680	963,802
February	25,237,146	901,327	998,805
March	12,268,660	395,763	1,084,449
April	13,887,978	462,933	591,426
May	16,601,871	535,544	854,963
June	20,366,679	678,889	1,184,070
July	22,377,914	721,868	1,008,245
August	22,184,706	715,636	926,344
September	21,721,286	724,043	1,031,941
October	17,322,512	558,791	716,446
November	16,341,562	544,719	741,558
December	19,188,191	618,974	988,325
Total for the year	**232,505,591**	-	-
Maximum month	**25,237,146**	**901,327**	**1,184,070**
Average	**19,375,466**	**638,764**	**924,198**
Water withdraw Approval No 2003-037109-02	Withdrawal limit (volume):		
	Annual 573,429,600L		
	30 day 47,131,200 L		
	Withdrawal limit (rate):		
	Average (over 30 days): 1,571,040 (L/day)		
	Maximum (Over 3 days): 1,833,120(L/day)		

Comments:

Table 6. Raw water flow - West End Well # 2 (aka West End No. 2)

Month	Total Monthly Volume (L)	Monthly average withdrawal rate (L/day)	Monthly maximum withdrawal rate (L/day) Over 3 Days
January	5,781,647	186,505	1,133,286
February	26,746,534	955,233	1,015,575
March	15,296,297	493,429	990,199
April	20,679,904	689,330	1,009,005
May	25,156,148	811,489	1,091,471
June	28,997,376	966,579	1,530,678
July	29,353,103	946,874	1,365,541
August	28,885,242	931,782	1,138,252
September	28,165,292	938,843	1,361,722
October	25,778,508	831,565	1,556,026
November	23,063,583	768,786	989,797
December	31,782,988	1,025,258	1,505,091
Total for the year	**289,686,622**	**-**	**-**
Maximum month	**31,782,988**	**1,025,258**	**1,556,026**
Average	**24,140,552**	**795,473**	**1,223,887**
Water withdraw Approval No 2003-037109-02	Withdrawal limit (volume):		
	Annual 573,429,600L		
	30 day 47,131,200 L		
	Withdrawal limit (rate):		
	Average (over 30 days): 1,571,040 (L/day)		
	Maximum (Over 3 days): 1,833,120(L/day)		

Comments:

Table 7. Raw water flow - Mitchell Ave No. 1D (previously Mitchell Ave. Well Pump #1A)

Month	Total Monthly Volume (L)	Monthly average withdrawal rate	Monthly maximum withdrawal rate
		(L/day)	(L/day) Over 3 Days
January	789,991	25,484	830,243
February	2,086,055	74,502	251,424
March	6,014,891	194,029	1,170,789
April	17,553,972	585,132	1,172,684
May	23,334,862	752,737	1,326,441
June	17,473,183	582,439	1,088,534
July	21,456,681	692,151	1,059,425
August	20,644,277	665,944	1,060,512
September	18,933,910	631,130	1,060,512
October	19,122,587	616,858	1,418,367
November	19,000,797	633,360	1,088,264
December	16,968,504	547,371	1,146,360
Total for the year	**183,379,709**	**-**	**-**
Maximum month	**23,334,862**	**752,737**	**1,418,367**
Average	**15,281,642**	**500,095**	**1,056,130**
Water withdraw Approval No 2003-037109-02	Withdrawal limit (volume):		
	Annual 329,148,000L		
	30 day 27,053,250 L		
	Withdrawal limit (rate):		
	Average (over 30 days): 901,775(L/day)		
	Maximum (Over 3 days): 2,160,000(L/day)		

Comments:

Table 8. Raw water flow - Mitchell Ave. Well # 2 (previously Mitchell Ave No. 2)

Month	Total Monthly Volume (L)	Monthly average withdrawal rate (L/day)	Monthly maximum withdrawal rate (L/day) Over 3 Days
January	658,915	21,255	564,783
February	1,787,000	63,821	166,737
March	4,328,632	139,633	426,786
April	9,774,030	325,801	828,211
May	6,668,005	215,097	881,678
June	12,970,345	432,345	1,057,797
July	16,284,408	525,303	928,597
August	18,158,352	585,753	983,630
September	17,029,653	567,655	863,288
October	11,644,805	375,639	1,077,430
November	8,827,329	294,244	833,890
December	9,468,437	305,433	799,139
Total for the year	**117,599,911**	-	-
Maximum month	**18,158,352**	**585,753**	**1,322,367**
Average	**9,799,993**	**320,998**	**903,319**
Water withdraw Approval No 2003-037109-02	Withdrawal limit (volume):		
	Annual 315,360,000L		
	30 day 25,920,000 L		
	Withdrawal limit (rate):		
	Average (over 30 days): 864,000(L/day)		
	Maximum (Over 3 days): 1,130,400(L/day)		

Comments:

Table 9. Filtered water turbidity Kentville is not required to filter raw water

Table 10. Well water turbidity is not sampled from the withdrawal wells

Table 11. Chlorine - Prospect Tank (leaving treatment plant or well)

Month	Chlorine (Disinfectant residual) (mg/l)			CT value
	Minimum this month	How many times below Approval limit (0.2 mg/L)	Maximum this month	How many times $CT_{achieved}$ was less than $CT_{required}$
January	0.83	0	0.95	0
February	0.89	0	0.95	0
March	0.91	0	0.94	0
April	0.84	0	0.95	0
May	0.86	0	0.95	0
June	0.90	0	0.95	0
July	0.86	0	0.96	0
August	0.88	0	0.97	0
September	0.93	0	0.97	0
October	0.84	0	0.96	0
November	0.84	0	0.95	0
December	0.93	0	0.95	0
If Approval Limits were exceeded provide date of occurrence and date when Department was notified:				
If CT requirements were not met provide date of occurrence and date when Department was notified:				
NOTE: CT values must be calculated daily, or minimum operational conditions must be monitored daily and records kept by Approval Holder				
MINIMUM OPERATIONAL PARAMETERS TO PROVIDE REQUIRED CT (CT calculations for “worst case scenario” must be provided to Department)				
Peak Hourly Flow			227 m^3	
Temperature at CT control Point			8 ^oC	
Minimum residual at CT control Point			0.50 mg/l	
pH at CT control Point			7.37 to 8.06	
Water level in the tank during peak hourly flow			90%	

Table 12. Chlorine Disinfection – Kentville Business Park ("Kentville Chrysler" site)

Month	Chlorine (Disinfectant residual) (mg/l)			CT value
	Minimum this month	How many times below Approval limit (0.2 mg/L)	Maximum this month	How many times $CT_{achieved}$ was less than $CT_{required}$
January	0.89	0	0.94	0
February	0.90	0	0.93	0
March	0.90	0	0.94	0
April	0.82	0	0.95	0
May	0.86	0	0.95	0
June	0.86	0	0.93	0
July	0.90	0	0.95	0
August	0.90	0	0.95	0
September	0.87	0	0.94	0
October	0.81	0	0.95	0
November	0.84	0	0.94	0
December	0.92	0	0.95	0
If CT requirements were not met provide date of occurrence and date when Department was notified:				
NOTE: CT values must be calculated daily, or minimum operational conditions must be monitored daily and records kept by Approval Holder				
MINIMUM OPERATIONAL PARAMETERS TO PROVIDE REQUIRED CT (CT calculations for "worst case scenario" must be provided to Department)				
Peak Hourly Flow			227 m^3	
Temperature at CT control Point			8 °C	
Minimum residual at CT control Point			0.70	
pH at CT control Point			7.37 to 8.08	
Water level in the tank during peak hourly flow			90%	

Table 13. Bacteriological quality Prospect Avenue (leaving treatment plant or GUDI well) - not required

Table 14. Bacteriological quality Mitchell Avenue (leaving treatment plant or GUDI well) - not required

Table 15. Fluoride

Month	Minimum this month (mg/l)	Maximum this month (mg/l)
January	0.10	0.30
February	0.10	0.30
March	0.10	0.20
April	0.00	0.00
May	0.00	0.00
June	0.00	0.00
July	0.00	0.00
August	0.00	0.00
September	0.00	0.00
October	0.00	0.00
November	0.00	0.00
December	0.00	0.00
If exceeded Approval limits provide date of occurrence and date when Department was notified:		
Action taken: At the November 2023 Kentville Water Commission meeting the Committee passed a motion to stop the fluoridation of Kentville's drinking water. This decision was based on both the health risk concerns of fluoride and the dangers of the HFS acid to the operators. This decision was communicated to NSECC Kentville.		

Table 16. Aluminum - Kentville does not use aluminum-based coagulants

Table 17. pH - Prospect Water.

Month	Raw water inlet ("Prospect Raw")		CT Control Point ("Prospect Tank")	
	Minimum this month	Maximum this month	Minimum this month	Maximum this month
January	6.44	6.79	7.45	7.75
February	6.47	6.80	7.38	7.77
March	6.50	6.84	7.40	7.90
April	6.47	6.86	7.66	8.00
May	6.48	6.89	7.56	8.00
June	6.44	6.77	7.38	7.95
July	6.50	6.84	7.38	7.90
August	6.50	7.58	7.48	7.89
September	6.49	6.70	7.47	8.01
October	6.49	7.37	7.15	8.01
November	6.58	7.88	7.50	7.88
December	6.55	6.90	7.47	7.88
Comments:				

Table 18. pH - Mitchell Avenue Water.

Month	Raw water inlet ("Mitchell Raw")		CT Control Point ("Kentville Chrysler")	
	Minimum this month	Maximum this month	Minimum this month	Maximum this month
January	6.37	7.49	7.52	7.77
February	7.44	7.47	7.45	7.69
March	6.32	7.46	7.55	7.97
April	6.26	7.56	7.53	7.89
May	6.44	7.52	7.49	8.04
June	6.29	7.50	7.40	7.88
July	6.31	7.39	7.40	7.77
August	6.28	7.33	7.41	7.92
September	6.33	7.43	7.44	8.01
October	6.27	7.50	7.40	8.10
November	6.40	7.44	7.40	8.12
December	6.38	7.38	7.47	7.88
Comments:				

Table 19. Prospect Avenue Raw Water turbidity from distribution points

Month	Minimum NTU	Maximum NTU
January	0.10	0.19
February	0.10	0.19
March	0.14	0.20
April	0.11	0.19
May	0.09	0.19
June	0.11	0.19
July	0.08	0.19
August	0.10	0.18
September	0.11	0.19
October	0.11	0.19
November	0.09	0.19
December	0.08	0.19

Table 20. Mitchell Avenue Raw Water turbidity

	Minimum NTU	Maximum NTU
January	0.23	0.27
February	0.26	0.26
March	0.16	0.28
April	0.21	0.28
May	0.19	0.28
June	0.21	0.28
July	0.16	0.28
August	0.22	0.29
September	0.17	0.28
October	0.16	0.27
November	0.17	0.30
December	0.12	0.30

WASTE TREATMENT

Waste water discharge – This does not apply to the Kentville Water Utility

PART 3 - WATER DISTRIBUTION SYSTEM MONITORING

Table 21 A. Distribution System Bacteriology and Disinfection Residual

Site : A	4 Locations: Public Works 875 West Main Street, Research Station, Belcher St. Booster Stn, Camp Aldershot,										
Month	*E.coli*				Total Coliforms				Free chlorine residual		
	Present	Absent	Total number of samples	% Absent	Present	Absent	Total number of samples	% Absent	Min mg/l	Max mg/l	No. below Approval Limits
January	0	20	4 samples X 5 weeks	100	0	20	4 X 5	100	0.75	0.84	0
February	0	16	4 X 4	100	0	16	4 X 4	100	0.80	0.85	0
March	0	16	4 X 4	100	0	16	4 X 4	100	0.80	0.84	0
April	0	16	4 X 4	100	0	16	4 X 4	100	0.75	0.86	0
May	0	20	4 X 5	100	0	20	4 X 5	100	0.78	0.85	0
June	0	16	4 X 4	100	0	16	4 X 4	100	0.77	0.85	0
July	0	16	4 X 4	100	0	16	4 X4	100	0.75	0.85	0
August	0	16	4 X 4	100	0	16	4 X 4	100	0.77	0.88	0
September	0	16	4 X 4	100	0	16	4 X 4	100	0.77	0.86	0
October	0	20	4 X 5	100	0	20	5 X 4	100	0.78	0.85	0
November	0	16	4 X 4	100	0	16	4 X 4	100	0.75	0.85	0
December	0	20	4 X 5	100	0	20	4 X 5	100	0.63	0.85	0
If Approval limits exceeded, provide date of occurrence and date when department was notified:											

Table 21 B. Distribution System Bacteriology and Disinfection Residual

Site : B	**2 Locations: Kentville Chrysler, Scott Slipp Nissan both in the Kentville Business Park,**										
Month	***E.coli***				**Total Coliforms**				**Free chlorine residual**		
	Present	**Absent**	**Total number of samples**	**% Absent**	**Present**	**Absent**	**Total number of samples**	**% Absent**	**Min mg/l**	**Max mg/l**	**No. below 0.2 mg/l**
January	0	10	2 samples X 5 weeks	100	0	10	2 X 10	100	0.88	0.92	0
February	0	8	2 X 4	100	0	8	2 X 4	100	0.88	0.91	0
March	0	8	2 X 4	100	0	8	2 X 4	100	0.90	0.94	0
April	0	8	2 X 4	100	0	8	2 X 4	100	0.83	0.93	0
May	0	10	2 X 5	100	0	10	2 X 5	100	0.86	0.94	0
June	0	8	2 X 4	100	0	8	2 X 4	100	0.89	0.92	0
July	0	8	2 X 4	100	0	8	2 X 4	100	0.90	0.93	0
August	0	8	2 X 4	100	0	8	2 X 4	100	0.88	0.94	0
September	0	8	2 X 4	100	0	8	2 X 4	100	0.84	0.94	0
October	0	10	2 X 5	100	0	10	2 X 5	100	0.85	0.94	0
November	0	8	2 X 4	100	0	8	2 X 4	100	0.88	0.93	0
December	0	8	2 X 4	100	00	8	2 X 4	100	0.88	0.95	0
Was Ecoli or Total Coliform present in any sample this year? **NO**											
If Yes provide date of occurrence and date when Department was notified: Action Taken:											

Table 21 C.

Site : C	**2 Locations: Prospect Reservoir and Black Rock Mechanical Resevoir (Kentville Business Park)**										
Month	***E.coli***				**Total Coliforms**				**Free chlorine residual**		
	Present	**Absent**	**Total number of samples**	**% Absent**	**Present**	**Absent**	**Total number of samples**	**% Absent**	**Min mg/l**	**Max mg/l**	**No. below 0.2 mg/l**
January	0	10	2 samples X 5weeks	100	0	10	2 X 5	100	0.88	0.94	0
February	0	8	2 X 4	100	0	8	2 X 4	100	0.90	0.94	0
March	0	8	2 X 4	100	0	8	2 X 4	100	0.91	0.94	0
April	0	8	2 X 4	100	0	8	2 X 4	100	0.83	0.94	0
May	0	10	2 X 5	100	0	10	2 X 5	100	0.92	0.94	0
June	0	8	2 X 4	100	0	8	2 X 4	100	0.91	0.94	0
July	0	8	2 X4	100	0	8	2 X 4	100	0.93	0.94	0
August	0	8	2 X 4	100	0	8	2 X 4	100	0.90	0.95	0
September	0	8	2 X 4	100	0	8	2 X 4	100	0.92	0.98	0
October	0	10	2 X 5	100	0	10	2 X 5	100	0.93	0.95	0
November	0	8	2 X 4	100	0	8	2 X 4	100	0.93	0.95	0
December	0	10	2 X 5	100	0	10	2 X 5	100	0.93	0.95	0
Was E.Coli or Total Coliform present in any sample this year: **NO**											
If Yes provide date of occurrence and date when Department was notified:											
Action taken:											

Table 22. Distribution System THM's – Kentville is only required to test for THM's once a year.

Month	Site A Location: Belcher Street Tank	Site B Location: Coldbrook Village Park	Site C Location:
	THM total µg/l	THM total µg/l	THM total µg/l
January			
February			
March 19, 2024	1	3	
April			
May			
June			
July 3, 2024	<1.0	2	
August			
September			
October			
November 6, 2024	<1	9	
December			
Annual Average			
Limits	**100 µg/l**		
Comments:			

Table 23. Distribution System HAA5

Month	Site A Location: Kentville Chrysler	Site B Location: Belcher Street Tank	Site C Location:
	HAA5 total µg/l	HAA5 total µg/l	HAA5 total µg/l
January			
February			
March 19, 2024	<4.0	4.7	
April			
May			
June			
July 3, 2024	<2.0	<2.0	
August			
September			
October			
November 6, 2024	5.4	5.2	
December			
Annual Average			
Limits	**80 µg/l**		
Comments:			

Table 24. Distribution System Turbidity

Month	Site A - Public Works Location: 875 West Main Street		Site B – Kentville Chrysler Location: 800 Park Street		Site C – Chester Avenue Location: 6060 Hwy 12/Chester Avenue	
	min NTU	max NTU	min NTU	max NTU	min NTU	max NTU
January	0.10	0.20	0.10	0.24	0.12	0.20
February	0.11	0.19	0.13	0.20	0.09	0.20
March	0.12	0.19	0.12	0.20	0.09	0.20
April	0.13	0.19	0.12	0.19	0.10	0.20
May	0.11	0.19	0.11	0.20	0.10	0.20
June	0.13	0.19	0.08	0.18	0.11	0.20
July	0.12	0.19	0.10	0.19	0.10	0.19
August	0.13	0.20	0.10	0.19	0.10	0.19
September	0.11	0.19	0.06	0.19	0.10	0.19
October	0.16	0.20	0.11	0.20	0.12	0.19
November	0.11	0.19	0.10	0.19	0.10	0.19
December	0.12	0.19	0.10	0.19	0.08	0.19
If Approval limits were exceeded provide date of occurrence and date when Department was notified:						
Action taken:						

Month	Site D – Research Station Location: 32 Main Street		Site E – Town Hall Location: 354 Main Street		Site F – Belcher Street Booster Stn. Location: 259 Belcher Street	
	min NTU	max NTU	min NTU	max NTU	min NTU	max NTU
January	0.12	0.20	0.14	0.20	0.15	0.21
February	0.10	0.19	0.15	0.23	0.10	0.20
March	0.12	0.19	0.10	0.20	0.14	0.20
April	0.12	0.20	0.15	0.20	0.13	0.20
May	0.10	0.19	0.11	0.20	0.07	0.20
June	0.11	0.19	0.15	0.20	0.12	0.19
July	0.12	0.21	0.13	0.23	0.13	0.19
August	0.13	0.20	0.16	0.20	0.11	0.20
September	0.13	0.23	0.10	0.22	0.13	0.22
October	0.12	0.19	0.14	0.20	0.15	0.21
November	0.10	0.19	0.11	0.20	0.08	0.19
December	0.11	0.20	0.11	0.20	0.11	0.19
If Approval limits were exceeded provide date of occurrence and date when Department was notified:						
Action taken:						

Month	Site G – Medical Center Location: 81 Exhibition Street		Site H – Camp Aldershot Location: Lanzy Road		Site I – Scott Drive Sampling Station Location: Scott Drive	
	min NTU	max NTU	min NTU	max NTU	min NTU	Max NTU
January	0.14	0.19	0.10	0.20	0.14	0.21
February	0.14	0.20	0.13	0.20	0.00	0.00
March	0.12	0.20	0.14	0.20	0.13	0.22
April	0.10	0.20	0.14	0.19	0.12	0.20
May	0.14	0.20	0.12	0.20	0.11	0.78
June	0.12	0.19	0.11	0.19	0.12	0.19
July	0.09	0.19	0.13	0.19	0.10	0.19
August	0.12	0.19	0.11	0.20	0.09	0.18
September	0.12	0.20	0.12	0.19	0.11	0.22
October	0.12	0.20	0.12	0.20	0.05	0.20
November	0.08	0.20	0.10	0.20	0.11	0.19
December	0.11	0.18	0.11	0.19	0.12	0.19
If Approval limits were exceeded provide date of occurrence and date when Department was notified:						
Action taken:						

Month	Site J – Elizabeth Drive Sampling Station Location: Balsor Subdivision		Site K – Morris Crescent Sampling Station Location: Eaglecrest Subdivision			
	min NTU	max NTU	min NTU	max NTU	min NTU	Max NTU
January	0.10	0.20	0.11	0.19		
February	0.11	0.19	0.09	0.19		
March	0.11	0.20	0.06	0.19		
April	0.11	0.20	0.11	0.20		
May	0.09	0.19	0.09	0.19		
June	0.11	0.18	0.10	0.19		
July	0.11	0.20	0.10	0.19		
August	0.09	0.18	0.10	0.19		
September	0.12	0.20	0.11	0.23		
October	0.12	0.20	0.13	0.21		
November	0.12	0.19	0.11	0.19		
December	0.10	0.19	0.09	0.18		
If Approval limits were exceeded provide date of occurrence and date when Department was notified:						
Action taken:						

Table 26. Calcium, Manganese, Alkalinity, Conductivity

	Mitchell Avenue	Mitchell Avenue Raw	Prospect Avenue Reservoir Treated	Prospect Reservoir Raw	Chester Avenue Reservoir	Belcher Street Reservoir	Kentville Chrysler	Donald Hiltz Drive
March								
Calcium	31.8	50.3	30.4	34.7	31.7	30.6	30.3	29.8
Manganese	<2	<2	<2	<2	<2	<2	<2	<2
Alkalinity as CaC03	73	69	67	41	71	74	71	71
Electrical Conductivity	496	415	467	516	454	460	462	454
July								
Calcium	37.4	43.1	37.3	33.2	33.2	31.7	34.4	38.3
Manganese	<2	<2	<2	<2	<2	<2	<2	<2
Alkalinity as CaC03	91	69	82	50	80	81	84	88
Electrical Conductivity	483	404	463	518	444	449	459	452
November								
Calcium	32.8	39.6	39.6	32.8	29.3	28.8	28.5	28.3
Manganese	<2	<2	<2	<2	<2	<2	<2	<2
Alkalinity as CaC03	67	53	59	39	60	59	59	61
Electrical Conductivity	510	348	476	501	455	456	483	489

Table 27. Storage tank chlorine residual

Month	Storage Tank Location Prospect Avenue ("Prospect Tank")			Storage Tank Location Kentville Business Park ("Kentville Chrysler")			
	Min mg/l	**Max mg/l**	**Number of times residual was less than 0.2 mg/l**	**Min mg/l**	**Max mg/l**	**Number of times residual was less than 0.2 mg/l**	
January	0.93	0.97	0	0.75	0.95	0	
February	0.87	0.96	0	0.86	0.94	0	
March	0.93	0.97	0	0.85	0.95	0	
April	0.60	0.96	0	0.90	0.95	0	
May	0.84	0.97	0	0.89	0.95	0	
June	0.86	0.96	0	0.89	0.95	0	
July	0.92	0.96	0	0.91	0.95	0	
August	0.90	0.96	0	0.92	0.95	0	
September	0.92	0.96	0	0.93	0.96	0	
October	0.93	0.96	0	0.90	0.96	0	
November	0.93	0.96	0	0.90	0.96	0	
December	0.91	0.96	0	0.93	0.96	0	
Action taken:							
Certified Lab:							

SOURCE WATER PROTECTION PLAN ANNUAL UPDATE CHECKLIST

Yearly review of the source water protection (SWP) plan is required. The review should consider questions including, but not limited, those listed below. Every five years, or whenever significant changes to the municipal water system or risks to its source occur, the municipal unit should consider revising the plan. Otherwise, updates may be added to the original source water protection plans in an appropriately identified appendix.

QUESTIONS TO CONSIDER IN ANNUAL UPDATE
How many source water committee meetings have been held in the past year? Have there been any changes to committee membership? **The Source Water Protection Advisory Group met twice in 2024 (June and November). Currently seeking a citizen committee member.**
Have there been any changes made to the committee's terms of reference? **There have been no changes made to the terms of reference for the Sourcewater Protection Advisory Group.**
Have changes to the system infrastructure been made (e.g. wells constructed or decommissioned)? **There have been no changes made to the system infrastructure.**
Have any new risks to the watershed or aquifer area been identified? For example: have new land uses which could impact the source water commenced (or existing uses changed or ceased) within the watershed or aquifer area? have recreational uses of concern continued, declined or increased with the past year within the watershed or aquifer area? **There have been no new risks identified for the protected aquifer area.**
If new risks have been identified, what risk reduction strategies will be employed? **n/a**
Have any accidents/emergencies not considered in the contingency plan occurred within the watershed or aquifer area within the past year? **There have been no accidents or emergencies in the aquifer area in 2024.**
Has source water monitoring (differs from regulatory compliance monitoring) been undertaken? Please describe the results. **There has been no sourcewater monitoring in 2024.**
Has your contingency plan been reviewed and contact information updated? **The sourcewater protection plan contingency plan and contact information was reviewed and updated in 2023.**
Have any accidents/emergencies not considered in the contingency plan occurred within the watershed or aquifer area within the past year? **There have been no accidents or emergencies in the aquifer area in 2024.**

DESCRIPTION OF ANY EMERGENCY AND UPSET CONDITIONS AND CORRECTIVE ACTION

No emergencies and no corrective action required.

RECORD OF ANY VIOLATIONS OF APPROVAL AND CORRECTIVE ACTIONS TAKEN:

There have been no violations of approvals for operation or for withdrawal.

SUMMARY OF COMPLAINTS RECEIVED AND CORRECTIVE ACTIONS:

There have not been complaints and no corrective action was required.

AUTHORIZATION

I certify that the information provided in this report is a complete and accurate representation of Water System operation.

Offences under the Environment Act:

158 A person who

(a) knowingly provides false or misleading information pursuant to a requirement under this Act to provide information.
(b) provides false or misleading information pursuant to a requirement under this Act to provide information.
(c) does not provide information as required pursuant to this Act.
(d) hinders or obstructs an inspector or administrator who is exercising powers or carrying out duties, or attempting to do so, pursuant to this Act.
(e) knowingly contravenes a term or condition of an approval, an environmental assessment approval, a temporary approval, a certificate of variance or a certificate of qualification.

Name of the person in overall direct responsible charge:
David Bell, Engineer of Public Works Signature D.G. Bell

Water System Operators:
James Rafuse

LeRoy Dillman Signature LeRoy Dillman

PART 3 - WATER SAMPLE RESULTS

AGAT Laboratories

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CLIENT NAME: TOWN OF KENTVILLE
354 MAIN ST.
KENTVILLE, NS B4N1K6
(902) 679-2521
ATTENTION TO: Dave Bell
PROJECT: QUATERLY
AGAT WORK ORDER: 24X217885
TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager
WATER ANALYSIS REVIEWED BY: Kaliegh Cullen, Report Writer
DATE REPORTED: Nov 18, 2024
PAGES (INCLUDING COVER): 7
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

*Notes

Disclaimer:

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Certificate of Analysis

AGAT WORK ORDER: 24X217885

PROJECT: QUATERLY

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Haloacetic Acids in Water

DATE RECEIVED: 2024-11-06

DATE REPORTED: 2024-11-18

			SAMPLE DESCRIPTION:	**Belcher Tank**	**Kentville Chrysler**
			SAMPLE TYPE:	**Water**	**Water**
			DATE SAMPLED:	**2024-11-06 09:55**	**2024-11-06 08:30**
Parameter	**Unit**	**G / S**	**RDL**	**6296260**	**6296279**
Monobromoacetic Acid	ug/L		0.5	<0.5	<0.5
Monochloroacetic Acid	ug/L		0.5	<0.5	<0.5
Dichloroacetic Acid	ug/L		0.5	<0.5	<0.5
Dibromoacetic Acid	ug/L		0.5	2.7	2.9
Trichloroacetic Acid	ug/L		0.5	2.5	2.5
Haloacetic Acids (HAA5)	ug/L	80	2.0	5.2	5.4
Bromochloroacetic Acid	ug/L		0.5	0.9	1.1
Surrogate	**Unit**	**Acceptable Limits**			
2-Bromopropionic Acid	%	70-130		101	101

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2025-01
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6296260-6296279 Haloacetic Acids (HAA5) is a calculated parameter. The calculated value is the sum of Monobromoacetic Acid, Monochloroacetic Acid, Dichloroacetic Acid, Dibromoacetic Acid and Trichloroacetic Acid.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

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Certificate of Analysis

AGAT WORK ORDER: 24X217885

PROJECT: QUATERLY

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Trihalomethane Analysis - Water

DATE RECEIVED: 2024-11-06

DATE REPORTED: 2024-11-18

			SAMPLE DESCRIPTION:	Belcher Tank	Coldbrook Village Park
			SAMPLE TYPE:	Water	Water
			DATE SAMPLED:	2024-11-06 09:55	2024-11-06 09:30
Parameter	**Unit**	**G / S**	**RDL**	**6296260**	**6296275**
Chloroform	mg/L		0.001	<0.001	0.001
Bromodichloromethane	mg/L		0.001	<0.001	0.003
Dibromochloromethane	mg/L		0.001	<0.001	0.005
Bromoform	mg/L		0.001	<0.001	<0.001
Total Trihalomethanes	mg/L	0.1	0.001	<0.001	0.009
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	%	50-140		99	80

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to CDWQ-MAC(ug/L)
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6296260-6296275 Total Trihalomethanes is a calculated parameter. The calculated value is the sum of Chloroform + Bromodichloromethane + Dibromochloromethane + Bromoform. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: R. Chakraberty

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Certificate of Analysis

AGAT WORK ORDER: 24X217885

PROJECT: QUATERLY

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Various Inorganics (Water)

DATE RECEIVED: 2024-11-06

DATE REPORTED: 2024-11-18

SAMPLE DESCRIPTION:				Prospect Raw	Prospect Treated	Chester Tank	Belcher Tank	Mitchell - Raw	Mitchell -Treated	Quality Concrete	Kentville Chrysler
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-11-06 08:55	2024-11-06 08:55	2024-11-06 09:10	2024-11-06 09:55	2024-11-06 08:45	2024-11-06 08:45	2024-11-06 08:10	2024-11-06 08:30
Parameter	Unit	G / S	RDL	6296223	6296258	6296259	6296260	6296269	6296270	6296278	6296279
Alkalinity as CaCO3	mg/L		5	39	59	60	59	53	67	61	59
Electrical Conductivity	umho/cm		1	501	476	455	456	348	510	489	483
Total Calcium	mg/L		0.1	32.8	29.2	29.3	28.8	39.6	32.8	28.3	28.5
Total Manganese	mg/L	0.120,	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2025-01
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Kaleigh Cullen

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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X217885

PROJECT: QUATERLY

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Nov 18, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Haloacetic Acids in Water															
Monobromoacetic Acid	6298650	6298650	23	20	14.0%	< 0.5	98%	70%	130%	60%	60%	130%	70%	70%	130%
Monochloroacetic Acid	6298650	6298650	< 0.5	< 0.5	NA	< 0.5	102%	70%	130%	60%	60%	130%	70%	70%	130%
Dichloroacetic Acid	6298650	6298650	23	25	8.3%	< 0.5	98%	70%	130%	80%	60%	130%	70%	70%	130%
Dibromoacetic Acid	6298650	6298650	2.9	2.9	0.0%	< 0.5	74%	70%	130%	60%	60%	130%	71%	70%	130%
Trichloroacetic Acid	6298650	6298650	38	45	16.9%	< 0.5	80%	70%	130%	76%	60%	130%	72%	70%	130%
Bromochloroacetic Acid	6298650	6298650	2.3	2.7	NA	< 0.5	118%	70%	130%	93%	60%	130%	71%	70%	130%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Trihalomethane Analysis - Water															
Chloroform	5351	6307543	0.011	0.011	0.0%	< 0.001	92%	50%	140%	92%	60%	130%	99%	50%	140%
Bromodichloromethane	5351	6307543	<0.001	<0.001	NA	< 0.001	95%	50%	140%	99%	60%	130%	106%	50%	140%
Dibromochloromethane	5351	6307543	<0.001	<0.001	NA	< 0.001	91%	50%	140%	94%	60%	130%	101%	50%	140%
Bromoform	5351	6307543	<0.001	<0.001	NA	< 0.001	103%	50%	140%	101%	60%	130%	110%	50%	140%

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.
The sample spikes and dups are not from the same sample ID.

Certified By: R. Chakraberty

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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X217885

PROJECT: QUATERLY

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Water Analysis

RPT Date: Nov 18, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Various Inorganics (Water)															
Alkalinity as CaCO3	6288852		21	21	NA	< 5	84%	80%	120%	NA			NA		
Electrical Conductivity	6288852		2310	2290	0.9%	< 1	99%	90%	110%	NA			NA		
Total Calcium	6298277		4.4	5.0	12.3%	< 0.1	99%	80%	120%	94%	80%	120%	96%	70%	130%
Total Manganese	6298277		0.068	0.069	1.5%	< 0.002	103%	80%	120%	95%	80%	120%	96%	70%	130%

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By: Kaleigh Cullen

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Method Summary

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X217885

PROJECT: QUATERLY

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Monobromoacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Monochloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Dichloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Dibromoacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Trichloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Haloacetic Acids (HAA5)	ORG-91-5121	EPA 552.3	GC ECD
Bromochloroacetic Acid	ORG-91-5121	EPA 552.3	GC/ECD
2-Bromopropionic Acid	ORG-91-5121	EPA 552.3	GC/ECD
Chloroform	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Bromodichloromethane	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Dibromochloromethane	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Bromoform	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Total Trihalomethanes	TO-0330	EPA SW-846 8260	GC/MS
Toluene-d8	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Water Analysis			
Alkalinity as CaCO3	INOR-121-6001	SM 2320 B	
Electrical Conductivity	INOR-121-6001	SM 2510 B	PC TITRATE
Total Calcium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Manganese	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS

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ATTENTION TO: Dave Bell
PROJECT:
AGAT WORK ORDER: 24X169307
TRACE ORGANICS REVIEWED BY: Navjot Sandhu, Lab Supervisor
WATER ANALYSIS REVIEWED BY: Kaliegh Cullen, Report Writer
DATE REPORTED: Jul 29, 2024
PAGES (INCLUDING COVER): 12
VERSION*: 1

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Certificate of Analysis

AGAT WORK ORDER: 24X169307

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Haloacetic Acids in Water

DATE RECEIVED: 2024-07-03

DATE REPORTED: 2024-07-29

				Belcher Street	Kentville
			SAMPLE DESCRIPTION:	Reservoir	Chrysler
			SAMPLE TYPE:	Water	Water
			DATE SAMPLED:	2024-07-03 09:55	2024-07-03 08:40
Parameter	**Unit**	**G / S**	**RDL**	**5976493**	**5976494**
Monobromoacetic Acid	ug/L		0.5	<0.5	<0.5
Monochloroacetic Acid	ug/L		0.5	<0.5	<0.5
Dichloroacetic Acid	ug/L		0.5	<0.5	<0.5
Dibromoacetic Acid	ug/L		0.5	1.5	1.5
Trichloroacetic Acid	ug/L		0.5	<0.5	<0.5
Haloacetic Acids (HAA5)	ug/L		2.0	<2.0	<2.0
Bromochloroacetic Acid	ug/L		0.5	0.6	0.6
Surrogate	**Unit**	**Acceptable Limits**			
2-Bromopropionic Acid	%	70-130		87	89

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5976493-5976494 Haloacetic Acids (HAA5) is a calculated parameter. The calculated value is the sum of Monobromoacetic Acid, Monochloroacetic Acid, Dichloroacetic Acid, Dibromoacetic Acid and Trichloroacetic Acid.
Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Navjot Sandhu

AGAT Laboratories

11 Morris Drive, Unit 122
Dartmouth, Nova Scotia
CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 24X169307

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Trihalomethane Analysis - Water

DATE RECEIVED: 2024-07-03

DATE REPORTED: 2024-07-29

				Belcher Street	Coldbrook
			SAMPLE DESCRIPTION:	Reservoir	Village Park Dr.
			SAMPLE TYPE:	Water	Water
			DATE SAMPLED:	2024-07-03 09:55	2024-07-03 09:15
Parameter	**Unit**	**G / S**	**RDL**	**5976493**	**5976496**
Chloroform	mg/L		0.001	<0.001	0.002
Bromodichloromethane	mg/L		0.001	<0.001	<0.001
Dibromochloromethane	mg/L		0.001	<0.001	<0.001
Bromoform	mg/L		0.001	<0.001	<0.001
Total Trihalomethanes	mg/L		0.001	<0.001	0.002
Surrogate	**Unit**	**Acceptable Limits**			
Toluene-d8	%	50-140		95	96

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5976493-5976496 Total Trihalomethanes is a calculated parameter. The calculated value is the sum of Chloroform + Bromodichloromethane + Dibromochloromethane + Bromoform. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: Navjot Sandhu

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Certificate of Analysis

AGAT WORK ORDER: 24X169307

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Corrosion / Langelier Index

DATE RECEIVED: 2024-07-03

DATE REPORTED: 2024-07-29

SAMPLE DESCRIPTION:				Mitchell Avenue - Treated	Mitchell Avenue - Raw	Prospect Reservoir - Treated	Prospect Reservoir - Raw	Chester Avenue Reservoir	Belcher Street Reservoir	Kentville Chrysler	Donald Hiltz Drive
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-07-03 08:50	2024-07-03 08:50	2024-07-03 07:50	2024-07-03 07:45	2024-07-03 08:10	2024-07-03 09:55	2024-07-03 08:40	2024-07-03 08:30
Parameter	**Unit**	**G / S**	**RDL**	**5976432**	**5976489**	**5976490**	**5976491**	**5976492**	**5976493**	**5976494**	**5976495**
Total Iron	ug/L		50	<50	<50	<50	<50	<50	<50	<50	<50
pH				6.98	6.57	6.99	6.42	6.97	7.01	6.74	7.00
Hardness	mg/L			111	129	99.3	115	103	98.1	103	115
Langelier Index (@20C)	NA			-1.12	-1.57	-1.21	-1.94	-1.23	-1.20	-1.42	-1.10
Langelier Index (@ 4C)	NA			-1.44	-1.89	-1.53	-2.26	-1.55	-1.52	-1.74	-1.42
Saturation pH (@ 20C)	NA			8.10	8.14	8.20	8.36	8.20	8.21	8.16	8.10
Saturation pH (@ 4C)	NA			8.42	8.46	8.52	8.68	8.52	8.53	8.48	8.42
Alkalinity	mg/L		5	91	69	82	50	80	81	84	88
Electrical Conductivity	umho/cm		1	483	404	463	518	444	449	459	452
Total Calcium	mg/L		0.1	37.4	43.1	32.0	37.3	33.2	31.7	34.4	38.3
Calculated TDS	mg/L		1	253	204	231	246	227	230	226	240
Total Manganese	ug/L		2	<2	<2	<2	<2	<2	<2	<2	<2

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

5976432-5976495 Hardness, Langelier Index, and Saturation pH are calculated parameters. The calculated parameters are non-accredited. The component parameters of the calculations are accredited. pH has been analyzed past the recommended holding time of 15 minutes from sampling. Field measurement recommended for most accurate result

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Kaleigh Cullen

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11 Morris Drive, Unit 122
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CANADA B3B 1M2
TEL (902)468-8718
FAX (902)468-8924
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X169307

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Jul 29, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Haloacetic Acids in Water															
Monobromoacetic Acid	5976493	5976493	< 0.5	< 0.5	NA	< 0.5	76%	70%	130%	60%	60%	130%	70%	70%	130%
Monochloroacetic Acid	5976493	5976493	< 0.5	< 0.5	NA	< 0.5	76%	70%	130%	60%	60%	130%	70%	70%	130%
Dichloroacetic Acid	5976493	5976493	< 0.5	< 0.5	NA	< 0.5	82%	70%	130%	79%	60%	130%	80%	70%	130%
Dibromoacetic Acid	5976493	5976493	1.5	1.4	NA	< 0.5	84%	70%	130%	82%	60%	130%	87%	70%	130%
Trichloroacetic Acid	5976493	5976493	< 0.5	< 0.5	NA	< 0.5	86%	70%	130%	74%	60%	130%	74%	70%	130%
Bromochloroacetic Acid	5976493	5976493	0.6	0.6	NA	< 0.5	100%	70%	130%	100%	60%	130%	104%	70%	130%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Trihalomethane Analysis - Water															
Chloroform	3556	5989903	<0.001	<0.001	NA	< 0.001	115%	50%	140%	116%	60%	130%	118%	50%	140%
Bromodichloromethane	3556	5989903	<0.001	<0.001	NA	< 0.001	68%	50%	140%	67%	60%	130%	69%	50%	140%
Dibromochloromethane	3556	5989903	<0.001	<0.001	NA	< 0.001	65%	50%	140%	68%	60%	130%	70%	50%	140%
Bromoform	3556	5989903	<0.001	<0.001	NA	< 0.001	67%	50%	140%	62%	60%	130%	68%	50%	140%

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.
The sample spikes and dups are not from the same sample ID.

Certified By: Navjot Sandhu

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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X169307

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Water Analysis

RPT Date: Jul 29, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Corrosion / Langelier Index															
Total Iron	5976846		123	100	NA	< 50	104%	80%	120%	107%	80%	120%	103%	70%	130%
pH	5975093		7.34	7.34	0.1%	<	101%	80%	120%	NA	80%	120%	NA	80%	120%
Alkalinity	5975093		198	197	0.3%	< 5	108%	80%	120%	NA			NA		
Electrical Conductivity	5975093		2130	2120	0.5%	< 1	96%	90%	110%	NA			NA		
Total Calcium	5976846		43.8	39.4	10.5%	< 0.1	99%	80%	120%	105%	80%	120%	NA	70%	130%
Total Manganese	5976846		94	83	11.8%	< 2	102%	80%	120%	105%	80%	120%	103%	70%	130%

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By: Kaleigh Cullen

AGAT Laboratories

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http://www.agatlabs.com

Method Summary

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X169307

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Monobromoacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Monochloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Dichloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Dibromoacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Trichloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Haloacetic Acids (HAA5)	ORG-91-5121	EPA 552.3	GC ECD
Bromochloroacetic Acid	ORG-91-5121	EPA 552.3	GC/ECD
2-Bromopropionic Acid	ORG-91-5121	EPA 552.3	GC/ECD
Chloroform	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Bromodichloromethane	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Dibromochloromethane	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Bromoform	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Total Trihalomethanes	TO-0330	EPA SW-846 8260	GC/MS
Toluene-d8	TO-0330	EPA SW-846 5030 & 8260	GC/MS
Water Analysis			
Total Iron	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
pH	INOR-121-6001	SM 4500 H+B	PC TITRATE
Hardness			
Langelier Index (@20C)			CALCULATION
Langelier Index (@ 4C)			CALCULATION
Saturation pH (@ 20C)			CALCULATION
Saturation pH (@ 4C)			CALCULATION
Alkalinity	INOR-121-6001	SM 2320 B	
Electrical Conductivity	INOR-121-6001	SM 2510 B	PC TITRATE
Total Calcium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Calculated TDS			CALCULATION
Total Manganese	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS

PRIORITY

5 JUL '24 AM10:53 ym

AGAT Laboratories Ltd InterLab Shipment

Environmental Analysis

Company No: 3885410 **Company:** TOWN OF KENTVILLE **WorkOrder #:** 24X169307
Bin No: **Assigned By:** Christopher Deamel
Date Required: 7/10/2024 **Contact:** Dave Bell **Logged By:** Christopher Deamel

Courier	From	To
Name: Purolator	**Branch:** Halifax	**Branch:** Calgary-2910
Waybill: tbd2	**CSR:** Amanda Morrison	**CSR:**
Date Entered: 7/3/2024 5:12:53 PM	**Shipped By:** CD	**Rcvd By:**
	Shipped Date: Jul 04, 2024	**Rcvd Date:**

Comments: 6 x 40ml vials for THM in water (493,496)

Courier	From	To
Name: Purolator	**Branch:** Halifax	**Branch:** Mississauga
Waybill: tbd	**CSR:** Amanda Morrison	**CSR:**
Date Entered: 7/3/2024 5:12:22 PM	**Shipped By:** CD	**Rcvd By:**
	Shipped Date: Jul 04, 2024	**Rcvd Date:**

Comments: 6 x 40ml vials for HAA in water (493,494)

INTERLAB

Environmental Client TAT

AGAT Laboratories Ltd

Work Order Number: 24X169307

Project Name/No:
Date Rec'd: 7/3/2024 1:38:00 PM
Effective Date: 7/3/2024 1:38:00 PM
Due Date: 7/10/2024 8:00:00 PM
Division: Environmental
CPM: Amanda Morrison
Depot #:
Bin #:
District #: 23
Corp #:

Rush Due Date/Time:

Company No: 3885410
TOWN OF KENTVILLE
354 MAIN ST.
KENTVILLE NS B4N1K6
Phone #: 9026792521 Fax #: 403
Result To: Dave Bell
# of reports:
Tel : 902-679-2521
Fax:
E-Mail: dbell@kentville.ca; cmacdonald@kentville.ca

Billing Type: Regular
Credit Card Type:
Credit Card Number:
Card Expiry Date:
PO Needed: N
Customer PO #:
JIP Description:
Customer AFE:
Acct Code:
Missing Required Fields:

Consultant:
#CC Reports:

Bin Location:

Trace :
Inorganic : G,M - JUL3

Samples	Qty	Qty	Complete
JIPS Location: X			
Soil:	0	0	
Water:	0	0	
Trace Org:	0	0	
Occup Health:	0	0	
Microtox:	0	0	
Hydrocarbon:	0	0	
On Hold:	0	0	
Food:	0	0	
Microbiology:	0	0	
Ultra Trace:	0	0	
Other:	0		

Other Description:

PROFIT ID	PRODUCT ID	DESCRIPTION	QTY
121	121415	Langelier/Corrosion Index (analysis and calculation)	8
131	131001	Collect Transportation Charges	1
131	131002	Environmental Handling & Compliance	9
54	54136	Trihalomethanes	2
91	91081	Haloacetic Acid (HAA) in Water	2

General Comments:

AGAT Laboratories

Have feedback? Scan here for a quick survey!

Unit 122 • 11 Morris Drive
Dartmouth, NS
B3B 1M2
P: 902.468.8718
webearth.agatlabs.com • www.agatlabs.com

Chain of Custody Record

Laboratory Use Only
Arrival Condition: ☐ Good ☐ Poor (see notes)
Arrival Temperature: 6.1, 6.2, 6.5
Hold Time:
AGAT Job Number: 24x169307
Notes:

Report Information
Company: Town of Kentville
Contact: Dave Bell
Address: 354 Main Street
Kentville, NS, B4N 1K6
Phone: 902-679-2521 Fax:
Client Project #:
AGAT Quotation:
Please Note: If quotation number is not provided client will be billed full price for analysis.

Report Information (Please print):
1. Name: Dave Bell
Email: dbell@kentville.ca
2. Name:
Email:

Report Format
☐ Single Sample per page
☐ Multiple Samples per page
☐ Excel Format Included
☐ Export

Turnaround Time Required (TAT)
Regular TAT ☑ 5 to 7 working days
Rush TAT ☐ Same day ☐ 1 day ☐ 2 days ☐ 3 days
Date Required:

Invoice To Same Yes ☑ / No ☐
Company:
Contact:
Address:
Phone: Fax:
PO/Credit Card#:

Regulatory Requirements (Check):
☐ List Guidelines on Report ☐ Do not list Guidelines on Report
☐ PIRI
☐ Tier 1 ☐ Res ☐ Pot ☐ Coarse
☐ Tier 2 ☐ Com ☐ N/Pot ☐ Fine
☐ Gas ☐ Fuel ☐ Lube
☐ CCME ☐ CDWQ
☐ Industrial ☐ NSEQS-Cont Sites
☐ Commercial ☐ HRM 101
☐ Res/Park ☐ Storm Water
☐ Agricultural ☐ Waste Water
☐ FWAL
☐ Sediment ☐ Other

Drinking Water Sample: ☐ Yes ☐ No **Salt Water Sample** ☐ Yes ☐ No
Reg. No.:

Sample Identification	Date/Time Sampled	Sample Matrix	# Containers	Comments – Site/Sample Info. Sample Containment	Field Filtered/Preserved	Standard Water Analysis	Metals: ☐ Total ☐ Diss ☐ Available	Mercury	☐ BOD ☐ CBOD	pH	☐ TSS ☐ TDS ☐ VSS	TKN	Total Phosphorus	Phenols	Tier 1: TPH/BTEX (PIRI) ☐ low level	Tier 2: TPH/BTEX Fractionation	CCME-CWS TPH/BTEX	VOC	THM	HAA	PAH	PCB	TC + EC ☐ P/A ☐ MPN ☐ MF	☐ HPC ☐ Pseudomonas	Fecal Coliform ☐ MPN ☐ MF	Other: Corrosion Index(alk,cond,Ca, M	Other:	Hazardous (Y/N)
Mitchell Avenue - Treated	2024-07-03 8:50 am		2																						☑		
Mitchell Avenue - Raw	8:50 am		2																						☑		
Prospect Reservoir - Treated	7:50 am		2																						☑		
Prospect Reservoir - Raw	7:45 am		2																						☑		
Chester Avenue Reservoir	8:10 am		2																						☑		
Belcher Street Reservoir	9:55am		8																☑	☑						☑		
Kentville Chrysler	8:40am		5																	☑						☑		
Donald Hiltz Drive	8:30 am		2																							☑		
Coldbrook Village Park Dr.	9:15am		3																☑							☑		

Samples Relinquished By (Print Name): David Bell
Date/Time:
Samples Received By (Print Name):
Date/Time:
Samples Relinquished By (Sign): D. Bell
Date/Time:
Samples Received By (Sign):
Date/Time:

Pink Copy - Client
Yellow Copy - AGAT
White Copy- AGAT

AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM

RECEIVING BASICS - Shipping

Company/Consultant: Town of Kentville

Courier: Purolator Prepaid Collect

Waybill#

Branch: EDM GP FN FM RD VAN LYD FSJ EST SASK Other: X

If multiple sites were submitted at once: (Yes) No

Custody Seal Intact: Yes No (NA)

TAT: <24hr 24-48hr 48-72hr Reg Other July 24

Cooler Quantity: 1 x ecl

TIME SENSITIVE ISSUES - Shipping

ALREADY EXCEEDED HOLD TIME? Yes No

Inorganic Tests (Please Circle): Mibi , BOD , Nitrate/Nitrite , Turbidity , Color , Microtox , Ortho PO4 , Tedlar Bag , Residual Chlorine , Chlorophyll* , Chloroamines*

Earliest Expiry:

Hydrocarbons: Earliest Expiry

SAMPLE INTEGRITY - Shipping

Hazardous Samples: YES (NO) Precaution Taken:

Legal Samples: Yes (No)

International Samples: Yes (No)

Tape Sealed: Yes No

Coolant Used: Icepack Bagged Ice Free Ice Free Water None

Temperature (Bottles/Jars only) N/A if only Soil Bags Received

FROZEN (Please Circle if samples received Frozen) 3x.

1 (Bottle/Jar) 7 + 7 + 7 = 7 °C 2(Bottle/Jar) 8 + 8 + 8 = 8 °C

3 (Bottle/Jar) 9 + 9 + 9 = 9 °C 4 (Bottle/Jar) ___ + ___ + ___ = ___ °C

5 (Bottle/Jar) ___ + ___ + ___ = ___ °C 6 (Bottle/Jar) ___ + ___ + ___ = ___ °C

7 (Bottle/Jar) ___ + ___ + ___ = ___ °C 8 (Bottle/Jar) ___ + ___ + ___ = ___ °C

9 (Bottle/Jar) ___ + ___ + ___ = ___ °C 10 (Bottle/Jar) ___ + ___ + ___ = ___ °C

(If more than 10 coolers are received use another sheet of paper and attach)

LOGISTICS USE ONLY

Workorder No: 24X169357

Samples Damaged: Yes No If YES why?

No Bubble Wrap Frozen Courier

Other:

Account Project Manager: have they been notified of the above issues: Yes No

Whom spoken to: Date/Time:

CPM Initial

General Comments:

* Subcontracted Analysis (See CPM)

Purolator Express

FROM / DE

AGAT Labs
11 MORRIS DR
Sample Reception SUITE 122
DARTMOUTH, NS
B3B 1M2
902-468-2716

TO / À

AGAT Labs - 2910
AGAT Labs
2910 12 ST NE
CALGARY, AB
T2E 7P7

DATE:
04 JUL 2024

PIECES:
1 of/de 1

WEIGHT/POIDS
20 LB

YYC 95

EXP

PUROLATOR PIN: 334800525118

ESO - PDF

Purolator's published terms and conditions of service apply - see www.purolator.com.
Les Modalités et conditions de service publiées de Purolator s'appliquent - voir www.purolator.com.

Fold the Bill of Lading on the dotted line and insert into the adhesive pouch. Attach a Bill of Lading to each package.
Veuillez plier ce connaissement sur la ligne pointillée et l'insérer dans la pochette adhésive. Veuillez joindre un connaissement à chaque colis.

Description: Cooler

No Declared Value Entered By Sender / Aucune valeur déclarée entrée par

CONDITIONS OF CARRIAGE

IMPORTANT - PLEASE READ: The consignor agrees that the act of tendering the shipment to the carrier for transportation shall be sufficient to constitute signature of this bill of lading by the consignor and shall bind the consignor to the conditions of carriage stated below.

RECEIPT Carrier acknowledges receiving from the shipper, at the point of origin and on the date specified, the shipment described in this bill of lading in apparent good order, except as noted (contents and conditions of contents of packages unknown), and agrees to carry and deliver the shipment to the receiver at the destination set out in this bill of lading, subject to payment of all lawful charges. "Carrier" refers to Purolator Inc. and any connecting and/or successive carriers involved in the transportation of the shipment herein described, including any of their respective subsidiaries, controlled entities, and their respective employees, agents and independent contractors.

LIMITATION ON LIABILITY Carrier's liability in respect of the shipment described in this bill of lading (including for any loss, damage, delay, misdelivery, non-delivery or failure to deliver) is limited to $2.00 per pound ($4.41 per kilogram) computed on the total weight of the shipment, unless a higher value is declared in the specially marked Purolator Online Shipping user entry field, "Declared Value for Insurance ($)". Notwithstanding any disclosure of the nature or value of the goods carried or any special agreement to the contrary, carrier is not liable under any circumstances for the consequences of delay, or for any indirect or consequential damages (including lost profits) howsoever caused.

NOTICE OF CLAIM Carrier is not liable for any loss, damage or delay to any goods carried under this bill of lading unless notice of the claim setting out particulars of the origin, destination and date of shipment of the goods and the estimated amount claimed in respect of such loss, damage or delay is given in writing to the carrier within sixty (60) days after the delivery of the goods, or, in the case of failure to make delivery, within nine (9) months from the date of shipment. Subject to any overriding statutory provisions, the final statement of the claim must be filed within nine (9) months from the date of shipment, together with a copy of the paid freight bill. If the Convention applies, other notice periods may govern. No claim will be entertained until all transportation charges due in connection with this bill of lading have been paid in full. All claims are subject to proof of amount of loss.

TERMS INCORPORATED BY REFERENCE Every service to be performed under this bill of lading is subject to the conditions of carriage contained in this bill of lading, including the terms and conditions contained in Purolator Inc.'s published terms and conditions of carriage and the terms and conditions prescribed by the law of the jurisdiction where the goods originate (including the uniform conditions of carriage thereunder, if any). If the carriage involves an ultimate destination or a stop in a country other than the country of departure, the Convention (as defined below) may apply and limit the liability of the carrier in respect of loss of, damage to or delay of cargo. "Convention" means the Convention for the Unification of Certain Rules relating to International Carriage by Air, signed at Warsaw, Poland, 12 October, 1929, or the Convention for the Unification of Certain Rules for International Carriage by Air, signed at Montreal, Canada, 28 May, 1999, or those Conventions as amended or supplemented as may be applicable to the carriage hereunder.

MISCELLANEOUS Unless otherwise indicated, the consignor's name and address is the sender's name and address indicated on this bill of lading, and the latter is the place of execution and the place of departure; the consignee's name and address is the receiver's name and address indicated on this bill of lading, and the latter is the place of destination; and the date indicated on this bill of lading is the date of execution. There are no specific stopping places which are agreed to, and the carrier reserves the right to select the route and the mode of transportation that the carrier deems appropriate. The consignor warrants that the shipment is properly described on this bill of lading and on any accompanying documentation, and that the shipment is properly marked, addressed and packed to ensure safe transportation in accordance with the carrier's ordinary care in handling. Unless otherwise indicated on this bill of lading, the consignor waives its right to determine the volume or dimensions of the shipment, and to indicate same on this bill of lading. The consignor appoints the carrier as its agent for the performance of customs clearance and selecting a customs broker.

ENTIRE AGREEMENT The terms and conditions contained in this bill of lading, including those incorporated herein by reference, constitute the entire agreement relating to the carriage of the shipment described in this bill of lading, and no agent, servant or representative of the carrier or consignor has the authority to alter, waive or otherwise modify any provision of this agreement. In tendering the shipment described herein for carriage, the consignor agrees to these terms and conditions on his own behalf and on behalf of the consignee and any other party claiming an interest in this shipment.

AGAT Laboratories

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FAX (902)468-8924
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CLIENT NAME: TOWN OF KENTVILLE
354 MAIN ST.
KENTVILLE, NS B4N1K6
(902) 679-2521
ATTENTION TO: Dave Bell
PROJECT:
AGAT WORK ORDER: 24X130919
TRACE ORGANICS REVIEWED BY: Jason Coughtrey, Operation Manager
WATER ANALYSIS REVIEWED BY: Kaliegh Cullen, Report Writer
DATE REPORTED: Mar 28, 2024
PAGES (INCLUDING COVER): 9
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.

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Certificate of Analysis

AGAT WORK ORDER: 24X130919

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Haloacetic Acids (water)

DATE RECEIVED: 2024-03-19

DATE REPORTED: 2024-03-28

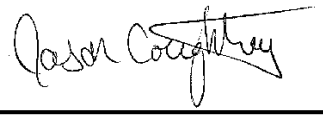
				Kentville	Blecher Street
SAMPLE DESCRIPTION:				Chrysler	Reservoir
SAMPLE TYPE:				Water	Water
DATE SAMPLED:				2024-03-19 09:05	2024-03-19 10:10
Parameter	Unit	G / S	RDL	5739400	5739408
Chloroacetic Acid	ug/L		0.5	1.0	1.0
Bromoacetic Acid	ug/L		0.5	0.6	0.5
Dichloroacetic Acid	ug/L		0.5	<0.5	0.6
Trichloroacetic Acid	ug/L		0.5	<0.5	0.8
Bromochloroacetic Acid	ug/L		0.5	1.5	1.4
Dibromoacetic Acid	ug/L		0.5	2.1	1.8
Total Haloacetic Acids	ug/L	80	4.0	5.2	6.1
HAA5	ug/L	80	4.0	<4.0	4.7
Surrogate	Unit	Acceptable Limits			
2-Bromobutanoic acid	%	70-130		115	110

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2025-01
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5739400-5739408 HAA5 is a calculated parameter. The calculated parameter is non-accredited. The component parameters of the calculation are accredited.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 24X130919

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Trihalomethanes in Water

DATE RECEIVED: 2024-03-19

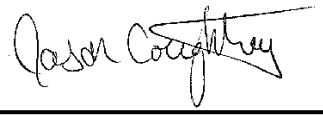
DATE REPORTED: 2024-03-28

				76 Coldbrook	Blecher Street
			SAMPLE DESCRIPTION:	Village Park	Reservoir
			SAMPLE TYPE:	Water	Water
			DATE SAMPLED:	2024-03-19 09:20	2024-03-19 10:10
Parameter	Unit	G / S	RDL	5739406	5739408
Chloroform	ug/L		1	<1	<1
Bromodichloromethane	ug/L		1	1	<1
Dibromochloromethane	ug/L		1	2	1
Bromoform	ug/L		1	<1	<1
Total Trihalomethanes	ug/L	100	1	3	1
Surrogate	Unit	Acceptable Limits			
Toluene-d8	%	60-140		89	90
4-Bromofluorobenzene	%	60-140		95	95

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2025-01
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By:



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Certificate of Analysis

AGAT WORK ORDER: 24X130919

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Alkalinity, Conductivity, Calcium, Manganese

DATE RECEIVED: 2024-03-19

DATE REPORTED: 2024-03-28

SAMPLE DESCRIPTION:				Prospect Raw	Prospect Treated	Chester Reservoir	Mitchell Raw	Mitchell Treated	Quality Concrete	Kentville Chrysler	Blecher Street Reservoir
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-03-19 07:50	2024-03-19 07:55	2024-03-19 08:10	2024-03-19 09:00	2024-03-19 09:10	2024-03-19 08:50	2024-03-19 09:05	2024-03-19 10:10
Parameter	Unit	G / S	RDL	5739381	5739395	5739396	5739397	5739398	5739399	5739400	5739408
Alkalinity as CaCO3	mg/L		5	41	67	71	69	73	71	71	74
Electrical Conductivity	umho/cm		1	516	467	454	415	496	454	462	460
Total Calcium	mg/L		0.1	34.7	30.4	31.7	50.3	31.8	29.8	30.3	30.6
Total Manganese	ug/L	120, 20 AO	2	<2	<2	<2	<2	<2	<2	<2	<2

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2025-01
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Kaleigh Cullen

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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X130919

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Mar 28, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Haloacetic Acids (water)															
Chloroacetic Acid	1	5727094	1.0	1.0	NA	< 0.5	96%	70%	130%	90%	60%	130%	94%	60%	130%
Bromoacetic Acid	1	5727094	0.5	0.5	NA	< 0.5	86%	70%	130%	111%	60%	130%	114%	60%	130%
Dichloroacetic Acid	1	5727094	12.0	11.6	3.4%	< 0.5	98%	70%	130%	125%	60%	130%	119%	60%	130%
Trichloroacetic Acid	1	5727094	17.2	16.9	1.8%	< 0.5	86%	70%	130%	109%	60%	130%	126%	60%	130%
Bromochloroacetic Acid	1	5727094	2.9	3.0	3.4%	< 0.5	82%	70%	130%	130%	60%	130%	129%	60%	130%
Dibromoacetic Acid	1	5727094	1.5	1.5	NA	< 0.5	83%	70%	130%	124%	60%	130%	120%	60%	130%

Comments: If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.
If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Trihalomethanes in Water															
Chloroform	1	5736990	4	4	NA	< 1	108%	50%	140%	109%	60%	130%	78%	50%	140%
Bromodichloromethane	1	5736990	<1	<1	NA	< 1	101%	50%	140%	102%	60%	130%	92%	50%	140%
Dibromochloromethane	1	5736990	<1	<1	NA	< 1	90%	50%	140%	91%	60%	130%	84%	50%	140%
Bromoform	1	5736990	<1	<1	NA	< 1	89%	50%	140%	89%	60%	130%	77%	50%	140%

Comments: If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution. Matrix spike performed on a different sample than the duplicate.
If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By:

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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X130919

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Water Analysis

RPT Date: Mar 28, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Alkalinity, Conductivity, Calcium, Manganese															
Alkalinity as CaCO3	5731132		52	51	2.9%	< 5	94%	80%	120%	NA			NA		
Electrical Conductivity	5731132		132	132	0.5%	< 1	98%	90%	110%	NA			NA		
Total Calcium	5739426		<0.1	<0.1	NA	< 0.1	101%	80%	120%	93%	80%	120%	96%	70%	130%
Total Manganese	5739426		<2	<2	NA	< 2	103%	80%	120%	96%	80%	120%	96%	70%	130%

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By: Kaleigh Cullen

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Method Summary

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X130919

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Chloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Bromoacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Dichloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Trichloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Bromochloroacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
Dibromoacetic Acid	ORG-120-5110	EPA 552.3	GC/ECD
2-Bromobutanoic acid	ORG-120-5110	EPA 552.3	GC/ECD
Total Haloacetic Acids	ORG-120-5110	EPA 552.3	GC/ECD
HAA5	ORG-120-5110	EPA 552.3	GC/ECD
Chloroform	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Bromodichloromethane	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Dibromochloromethane	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Bromoform	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Total Trihalomethanes	VOL-120-5001	EPA SW-846 5030B/8260B	GC/MS
Toluene-d8	VOL-120-5001	EPA SW846 5030B/8260B	GC/MS
4-Bromofluorobenzene	VOL-120-5001	EPA SW846 5030B/8260B	GC/MS
Water Analysis			
Alkalinity as CaCO3	INOR-121-6001	SM 2320 B	
Electrical Conductivity	INOR-121-6001	SM 2510 B	PC TITRATE
Total Calcium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Manganese	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS

AGAT Laboratories

Have feedback? Scan here for a quick survey!

Unit 122 ▪ 11 Morris Drive
Dartmouth, NS
B3B 1M2
P: 902.468.8718

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Chain of Custody Record

Laboratory Use Only
Arrival Condition: ☐ Good ☐ Poor (see notes)
Arrival Temperature: 14.1, 14.1, 14.2
Hold Time:
AGAT Job Number: 24X130919
Notes: no analysis on CoC

Report Information
Company: Town of Kentville
Contact: Dave Bell
Address: 354 Main Street
Kentville, NS B4N 1K6
Phone: 902-679-2521 Fax:
Client Project #:
AGAT Quotation:
Please Note: If quotation number is not provided client will be billed full price for analysis.

Report Information (Please print):
1. Name: Dave Bell
Email: dbell@kentville.ca
2. Name: Carla MacDonald
Email: cmacdonald@kentville.ca

Report Format
☐ Single Sample per page
☐ Multiple Samples per page
☐ Excel Format Included
☐ Export

Turnaround Time Required (TAT)
Regular TAT ☑ 5 to 7 working days
Rush TAT ☐ Same day ☐ 1 day ☐ 2 days ☐ 3 days
Date Required:

Invoice To Same Yes ☐ / No ☐
Company:
Contact:
Address:
Phone: Fax:
PO/Credit Card#:

Regulatory Requirements (Check):
☐ List Guidelines on Report ☐ Do not list Guidelines on Report
☐ PIRI
☐ Tier 1 ☐ Res ☐ Pot ☐ Coarse
☐ Tier 2 ☐ Com ☐ N/Pot ☐ Fine
☐ Gas ☐ Fuel ☐ Lube
☐ CCME ☐ CDWQ
☐ Industrial ☐ NSEQS-Cont Sites
☐ Commercial ☐ HRM 101
☐ Res/Park ☐ Storm Water
☐ Agricultural ☐ Waste Water
☐ FWAL
☐ Sediment ☐ Other

Drinking Water Sample: ☐ Yes ☐ No **Salt Water Sample** ☐ Yes ☐ No
Reg. No.:

Sample Identification	Date/Time Sampled	Sample Matrix	# Containers	Comments – Site/Sample Info. Sample Containment
Prospect Raw	07:50 Mar 19/24		2	Quarterly Water Samples
Prospect Treated	07:55		2	"
Chester Reservoir	08:10		2	"
Mitchell Raw	09:00		2	"
Mitchell Treated	09:10		2	"
Quality Concrete	08:50		2	"
Kentville Chrysler	09:05		5	"
76 Coldbrook Village Park	09:20		3	"
Belcher Street Reservoir	10:10		6	"

Field Filtered/Preserved	Standard Water Analysis	Metals: ☐ Total ☐ Diss ☐ Available	Mercury	☐ BOD ☐ CBOD	pH	☐ TSS ☐ TDS ☐ VSS	TKN	Total Phosphorus	Phenols	Tier 1: TPH/BTEX (PIRI) ☐ low level	Tier 2: TPH/BTEX Fractionation	CCME-CWS TPH/BTEX	VOC	THM	HAA	PAH	PCB	TC + EC ☐ P/A ☐ MPN ☐ MF	☐ HPC ☐ Pseudomonas	Fecal Coliform ☐ MPN ☐ MF	Other:	Other:	Hazardous (Y/N)

Samples Relinquished By (Print Name):	Date/Time	Samples Received By (Print Name):	Date/Time
Dave Bell	11:00		
Samples Relinquished By (Sign):	**Date/Time**	**Samples Received By (Sign):**	**Date/Time**
	11:00		

Pink Copy - Client
Yellow Copy - AGAT
White Copy- AGAT

Page ☐ of ☐
N°:

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Dartmouth, Nova Scotia
B3B 1M2
http://webearth.agatlabs.com

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Fax: 902-468-8924
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Laboratory use Only
Arrival Condition: ☐ Good ☐ Poor (complete 'notes')
Arrival Temperature: _____ AGAT Job Number: _____
Notes: _____

Drinking Water Sample (y/n): _____ Reg. No. _____
Waterworks Number: _____

Report To:
Company: Town of Kentville
Contact: Dave Bell
Address: 354 Main Street
Kentville NS B4N 1K6
Phone: 902-679-2521 FAX: _____
PO#: _____
AGAT Quotation: _____
Client Project #: Quarterly 2024

Invoice to: Same (Y/N) - Circle
Company: _____
Contact: _____
Address: _____
Phone: _____ Fax: _____
PO#/Credit Card #: _____

Report Information
1. Name: Dave Bell
Email: dbell@kentville.ca
2. Name: _____
Email: _____

Regulatory Requirements (Check):
☐ List Guidelines on Report ☐ Do Not List Guidelines on Report
☐ PIRI
Site Info (check all that apply):
☐ Tier 1 ☐ Res. ☐ Pol. ☐ Coarse
☐ Tier 2 ☐ Com ☐ N/Pol. ☐ Fine
☐ Gas ☐ Fuel ☐ Lube
☐ CCME ☐ CDWQ
☐ Ind ☐ NSDFOSP
☐ Com ☐ HRM 101
☐ Res/P Storm Water
☐ Ag ☐ HRM 101
☐ FWAL Waste Water
☐ Sediment
☐ Other _____

Report Format
☐ Single PDF sample per page
☐ Multiple PDF samples per page
☐ Excel Format Included

Turnaround Time (TAT) Business Days
Regular TAT:
☐ 5 - 7 days
Rush TAT:
☐ 1 day ☐ 2 days
☐ 3 - 4 days
Date Required: _____
Time Required: _____

SAMPLE IDENTIFICATION	DATE / TIME SAMPLED	SAMPLE MATRIX	# OF CONTAINERS	COMMENTS - Site/Sample Info, Sample Containment	Field Filtered/ Preserved	Corrosion Index (alk, cond, Ca, Mn)	HAA	THM	Other	Hazardous (Y/N)	Lab Sample #
Mitchell Avenue - Treated		water				x					
Mitchell Avenue - Raw		water				x					
Prospect Reservoir – Treated		water				x					
Prospect Reservoir – Raw		water				x					
Chester Avenue Reservoir		water				x					
Belcher Street Reservoir		water				x	x	x			
Kentville Chrysler		water				x	x				
Donald Hiltz Drive		water				x					
Coldbrook Village Park Drive		water						x			

Sample Relinquished By (print name & sign) | Date/Time | Samples Received By (print name and sign) | Date/Time | Special Instructions

Sample Relinquished By (print name & sign) | Date/Time | Samples Received By (print name and sign) | Date/Time

Page _____ of _____

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CLIENT NAME: TOWN OF KENTVILLE
354 MAIN ST.
KENTVILLE, NS B4N1K6
(902) 679-2521
ATTENTION TO: Dave Bell
PROJECT:
AGAT WORK ORDER: 24X113197
WATER ANALYSIS REVIEWED BY: Kaliegh Cullen, Report Writer
DATE REPORTED: Jan 29, 2024
PAGES (INCLUDING COVER): 13
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

*Notes

Disclaimer:

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- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
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- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.

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Certificate of Analysis

AGAT WORK ORDER: 24X113197

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Standard Water Analysis + Total Metals

DATE RECEIVED: 2024-01-19

DATE REPORTED: 2024-01-29

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: 1-PROSPECT RESERVOIR	2-D.E. HILTZ CONNECTOR ROAD	3 - MITCHELL WELL# 1	4 - MITCHELL WELL# 2	5 - BONAVISTA WELL	6- WEST END WELL #1	7- WEST END WELL #2
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-01-18 10:30	2024-01-18 10:50	2024-01-18 11:00	2024-01-18 11:10	2024-01-18 11:20	2024-01-18 11:30	2024-01-18 11:25
				5592302	5592316	5592317	5592318	5592319	5592320	5592321
pH		7.0-10.5		6.82	6.84	6.27	6.89	6.77	6.49	6.44
Reactive Silica as SiO2	mg/L		0.5	12.4	10.1	8.9	11.6	10.5	12.4	13.2
Chloride	mg/L	250 AO	1	78	80	112	52	33	63	49
Fluoride	mg/L	1.5	0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Sulphate	mg/L	500 AO	2	10	11	13	9	4	9	9
Alkalinity	mg/L		5	69	73	26	82	66	45	37
True Color	TCU	15 AO	5.00	6.78	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Turbidity	NTU	1.0	0.5	<0.5	<0.5	1.27	<0.5	<0.5	<0.5	<0.5
Electrical Conductivity	umho/cm		1	441	470	522	367	264	350	287
Nitrate + Nitrite as N	mg/L		0.05	1.09	1.09	0.86	1.45	0.45	1.11	1.21
Nitrate as N	mg/L	10	0.05	1.09	1.09	0.86	1.45	0.45	1.11	1.21
Nitrite as N	mg/L	1.0	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ammonia as N	mg/L		0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Total Organic Carbon	mg/L		0.5	0.6	0.7	0.6	0.5	0.6	0.5	0.6
Ortho-Phosphate as P	mg/L		0.01	0.05	0.04	0.06	0.02	0.01	0.05	0.06
Total Sodium	mg/L	200 AO	0.1	46.3	49.1	66.6	8.3	4.7	31.9	26.9
Total Potassium	mg/L		0.1	2.3	2.4	3.0	1.5	2.1	1.8	1.9
Total Calcium	mg/L		0.1	30.0	29.1	19.9	51.3	36.7	24.9	19.2
Total Magnesium	mg/L		0.1	4.2	3.9	3.0	6.0	3.7	3.5	3.7
Bicarb. Alkalinity (as CaCO3)	mg/L		5	69	73	26	82	66	45	37
Carb. Alkalinity (as CaCO3)	mg/L		10	<10	<10	<10	<10	<10	<10	<10
Hydroxide	mg/L		5	<5	<5	<5	<5	<5	<5	<5
Calculated TDS	mg/L		1	217	224	237	184	126	166	137
Hardness	mg/L			92.2	88.7	62.0	153	107	76.6	63.2
Langelier Index (@20C)	NA			-1.48	-1.46	-2.64	-1.10	-1.44	-2.07	-2.31
Langelier Index (@ 4C)	NA			-1.80	-1.78	-2.96	-1.42	-1.76	-2.39	-2.63
Saturation pH (@ 20C)	NA			8.30	8.30	8.91	7.99	8.21	8.56	8.75

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Certificate of Analysis

AGAT WORK ORDER: 24X113197

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Standard Water Analysis + Total Metals

DATE RECEIVED: 2024-01-19

DATE REPORTED: 2024-01-29

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: 1-PROSPECT RESERVOIR SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 10:30 5592302	2-D.E. HILTZ CONNECTOR ROAD Water 2024-01-18 10:50 5592316	3 - MITCHELL WELL# 1 Water 2024-01-18 11:00 5592317	4 - MITCHELL WELL# 2 Water 2024-01-18 11:10 5592318	5 - BONAVISTA WELL Water 2024-01-18 11:20 5592319	6- WEST END WELL #1 Water 2024-01-18 11:30 5592320	7- WEST END WELL #2 Water 2024-01-18 11:25 5592321
Saturation pH (@ 4C)	NA			8.62	8.62	9.23	8.31	8.53	8.88	9.07
Anion Sum	me/L			3.87	4.02	4.01	3.40	2.37	2.94	2.40
Cation sum	me/L			3.92	3.97	4.22	3.46	2.40	2.97	2.48
% Difference/ Ion Balance	%			0.7	0.6	2.5	0.9	0.7	0.4	1.8
Total Aluminum	ug/L	2900, 100	5	8	18	15	25	13	13	24
Total Antimony	ug/L	6	2	<2	<2	<2	<2	<2	<2	<2
Total Arsenic	ug/L	10	2	<2	<2	<2	<2	<2	<2	<2
Total Barium	ug/L	2000	5	26	21	32	15	13	24	24
Total Beryllium	ug/L		2	<2	<2	<2	<2	<2	<2	<2
Total Bismuth	ug/L		2	<2	<2	<2	<2	<2	<2	<2
Total Boron	ug/L	5000	5	<5	<5	<5	<5	<5	<5	<5
Total Cadmium	ug/L	7	0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09
Total Chromium	ug/L	50	2	<2	<2	<2	<2	<2	<2	<2
Total Cobalt	ug/L		1	3	<1	<1	<1	<1	<1	<1
Total Copper	ug/L	2000, 1000	2	5	4	<2	<2	<2	<2	8
Total Iron	ug/L	100 AO	50	<50	<50	124	<50	<50	<50	<50
Total Lead	ug/L	5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	<0.5
Total Manganese	ug/L	120, 20 AO	2	<2	<2	<2	<2	<2	<2	<2
Total Molybdenum	ug/L		2	<2	<2	<2	<2	<2	<2	<2
Total Nickel	ug/L		2	<2	<2	<2	<2	<2	<2	<2
Total Phosphorous	mg/L		0.07	3.31	2.99	2.69	3.35	3.05	3.44	3.96
Total Selenium	ug/L	50	1	<1	<1	<1	<1	<1	<1	<1
Total Silver	ug/L		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Strontium	ug/L	7000	5	135	203	79	297	305	58	64
Total Thallium	ug/L		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Tin	ug/L		2	<2	<2	<2	<2	<2	2	<2
Total Titanium	ug/L		3	<3	<3	<3	<3	<3	<3	<3

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Certificate of Analysis

AGAT WORK ORDER: 24X113197

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Standard Water Analysis + Total Metals

DATE RECEIVED: 2024-01-19

DATE REPORTED: 2024-01-29

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: 1-PROSPECT RESERVOIR SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 10:30 5592302	SAMPLE DESCRIPTION: 2-D.E. HILTZ CONNECTOR ROAD SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 10:50 5592316	SAMPLE DESCRIPTION: 3 - MITCHELL WELL# 1 SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 11:00 5592317	SAMPLE DESCRIPTION: 4 - MITCHELL WELL# 2 SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 11:10 5592318	SAMPLE DESCRIPTION: 5 - BONAVISTA WELL SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 11:20 5592319	SAMPLE DESCRIPTION: 6- WEST END WELL #1 SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 11:30 5592320	SAMPLE DESCRIPTION: 7- WEST END WELL #2 SAMPLE TYPE: Water DATE SAMPLED: 2024-01-18 11:25 5592321
Total Uranium	ug/L	20	0.2	<0.2	0.5	<0.2	0.6	0.9	<0.2	<0.2
Total Vanadium	ug/L		2	<2	<2	<2	<2	<2	<2	<2
Total Zinc	ug/L	5000 AO	5	<5	7	6	<5	8	<5	8

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Standard Water Analysis + Total Metals

DATE RECEIVED: 2024-01-19

DATE REPORTED: 2024-01-29

				8- EAST END		9- EAST END
		SAMPLE DESCRIPTION:		WELL #1		WELL #2
		SAMPLE TYPE:		Water		Water
		DATE SAMPLED:		2024-01-18 11:50		2024-01-18 11:40
Parameter	Unit	G / S	RDL	5592322	RDL	5592323
pH		7.0-10.5		6.31		6.51
Reactive Silica as SiO2	mg/L		0.5	9.7	0.5	11.5
Chloride	mg/L	250 AO	2	137	1	90
Fluoride	mg/L	1.5	0.12	<0.12	0.12	<0.12
Sulphate	mg/L	500 AO	2	14	2	11
Alkalinity	mg/L		5	31	5	55
True Color	TCU	15 AO	5.00	<5.00	5.00	<5.00
Turbidity	NTU	1.0	0.5	<0.5	0.5	<0.5
Electrical Conductivity	umho/cm		1	567	1	486
Nitrate + Nitrite as N	mg/L		0.05	1.22	0.05	1.30
Nitrate as N	mg/L	10	0.05	1.22	0.05	1.30
Nitrite as N	mg/L	1.0	0.05	<0.05	0.05	<0.05
Ammonia as N	mg/L		0.03	<0.03	0.03	<0.03
Total Organic Carbon	mg/L		0.5	0.7	0.5	0.6
Ortho-Phosphate as P	mg/L		0.01	0.07	0.01	0.05
Total Sodium	mg/L	200 AO	0.1	63.3	0.1	37.8
Total Potassium	mg/L		0.1	3.1	0.1	2.5
Total Calcium	mg/L		0.1	30.5	0.1	39.5
Total Magnesium	mg/L		0.1	4.4	0.1	5.5
Bicarb. Alkalinity (as CaCO3)	mg/L		5	31	5	55
Carb. Alkalinity (as CaCO3)	mg/L		10	<10	10	<10
Hydroxide	mg/L		5	<5	5	<5
Calculated TDS	mg/L		1	276	1	225
Hardness	mg/L			94.3		121
Langelier Index (@20C)	NA			-2.35		-1.78
Langelier Index (@ 4C)	NA			-2.67		-2.10
Saturation pH (@ 20C)	NA			8.66		8.29
Saturation pH (@ 4C)	NA			8.98		8.61

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ATTENTION TO: Dave Bell

SAMPLING SITE:

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Standard Water Analysis + Total Metals

DATE RECEIVED: 2024-01-19

DATE REPORTED: 2024-01-29

				8- EAST END		9- EAST END
	SAMPLE DESCRIPTION:			WELL #1		WELL #2
	SAMPLE TYPE:			Water		Water
	DATE SAMPLED:			2024-01-18 11:50		2024-01-18 11:40
Parameter	Unit	G / S	RDL	5592322	RDL	5592323
Anion Sum	me/L			4.86		3.96
Cation sum	me/L			4.72		4.14
% Difference/ Ion Balance	%			1.5		2.2
Total Aluminum	ug/L	2900, 100	5	15	5	13
Total Antimony	ug/L	6	2	<2	2	<2
Total Arsenic	ug/L	10	2	<2	2	<2
Total Barium	ug/L	2000	5	37	5	26
Total Beryllium	ug/L		2	<2	2	<2
Total Bismuth	ug/L		2	<2	2	<2
Total Boron	ug/L	5000	5	21	5	<5
Total Cadmium	ug/L	7	0.09	<0.09	0.09	<0.09
Total Chromium	ug/L	50	2	<2	2	<2
Total Cobalt	ug/L		1	<1	1	<1
Total Copper	ug/L	2000, 1000	2	<2	2	<2
Total Iron	ug/L	100 AO	50	<50	50	<50
Total Lead	ug/L	5	0.5	<0.5	0.5	<0.5
Total Manganese	ug/L	120, 20 AO	2	<2	2	<2
Total Molybdenum	ug/L		2	<2	2	<2
Total Nickel	ug/L		2	<2	2	<2
Total Phosphorous	mg/L		0.07	2.74	0.07	3.30
Total Selenium	ug/L	50	1	<1	1	<1
Total Silver	ug/L		0.1	<0.1	0.1	<0.1
Total Strontium	ug/L	7000	5	109	5	194
Total Thallium	ug/L		0.1	<0.1	0.1	<0.1
Total Tin	ug/L		2	<2	2	<2
Total Titanium	ug/L		3	<3	3	<3
Total Uranium	ug/L	20	0.2	<0.2	0.2	<0.2
Total Vanadium	ug/L		2	<2	2	<2

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Certificate of Analysis

AGAT WORK ORDER: 24X113197

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

Standard Water Analysis + Total Metals

DATE RECEIVED: 2024-01-19

DATE REPORTED: 2024-01-29

				8- EAST END		9- EAST END
			SAMPLE DESCRIPTION:	WELL #1		WELL #2
			SAMPLE TYPE:	Water		Water
			DATE SAMPLED:	2024-01-18 11:50		2024-01-18 11:40
Parameter	Unit	G / S	RDL	5592322	RDL	5592323
Total Zinc	ug/L	5000 AO	5	14	5	10

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Canadian Drinking Water Quality - updated 2025-01
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

5592302-5592323 % Difference / Ion Balance, Hardness, Langelier Index, Nitrate + Nitrite, Hydroxide and Saturation pH are calculated parameters. The calculated parameters are non-accredited. The component parameters of the calculations are accredited.
pH has been analyzed past the recommended holding time of 15 minutes from sampling. Field measurement recommended for most accurate result

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Kaleigh Cullen

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Exceedance Summary

AGAT WORK ORDER: 24X113197

PROJECT:

CLIENT NAME: TOWN OF KENTVILLE

ATTENTION TO: Dave Bell

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	UNIT	GUIDEVALUE	RESULT
5592302	1-PROSPECT RESERVOIR	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.82
5592316	2-D.E. HILTZ CONNECTOR ROAD	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.84
5592317	3 - MITCHELL WELL# 1	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	Total Iron	ug/L	100 AO	124
5592317	3 - MITCHELL WELL# 1	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	Turbidity	NTU	1.0	1.27
5592317	3 - MITCHELL WELL# 1	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.27
5592318	4 - MITCHELL WELL# 2	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.89
5592319	5 - BONAVISTA WELL	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.77
5592320	6- WEST END WELL #1	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.49
5592321	7- WEST END WELL #2	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.44
5592322	8- EAST END WELL #1	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.31
5592323	9- EAST END WELL #2	NS-CDWQ incl [AO]	Standard Water Analysis + Total Metals	pH		7.0-10.5 OG	6.51

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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE
AGAT WORK ORDER: 24X113197
PROJECT:
ATTENTION TO: Dave Bell
SAMPLING SITE:
SAMPLED BY:

Water Analysis

RPT Date: Jan 29, 2024

PARAMETER	Batch	Sample Id	DUPLICATE Dup #1	DUPLICATE Dup #2	DUPLICATE RPD	Method Blank	REFERENCE MATERIAL Measured Value	REFERENCE MATERIAL Acceptable Limits Lower	REFERENCE MATERIAL Acceptable Limits Upper	METHOD BLANK SPIKE Recovery	METHOD BLANK SPIKE Acceptable Limits Lower	METHOD BLANK SPIKE Acceptable Limits Upper	MATRIX SPIKE Recovery	MATRIX SPIKE Acceptable Limits Lower	MATRIX SPIKE Acceptable Limits Upper
Standard Water Analysis + Total Metals															
pH	5592316	5592316	6.84	6.96	1.7%	<	100%	80%	120%	NA			NA		
Reactive Silica as SiO2	5590842		11.3	11.9	5.2%	< 0.5	83%	80%	120%	96%	80%	120%	107%	80%	120%
Chloride	5591601		8	9	8.6%	< 1	100%	80%	120%	NA	80%	120%	99%	70%	130%
Fluoride	5591601		<0.12	<0.12	NA	< 0.12	95%	80%	120%	NA	80%	120%	97%	70%	130%
Sulphate	5591601		7	8	NA	< 2	96%	80%	120%	NA	80%	120%	97%	70%	130%
Alkalinity	5592316	5592316	73	73	0.7%	<15	97%	80%	120%	NA			NA		
True Color	1559084		10	<5	NA	< 5	95%	80%	120%		80%	120%			
Turbidity	1	5588188	49.6	49.8	0.4%	< 0.5	101%	80%	120%						
Electrical Conductivity	5592316	5592316	470	472	0.4%	<1	97%	90%	110%	NA			NA		
Nitrate as N	5591601		0.05	<0.05	NA	< 0.05	105%	80%	120%	NA	80%	120%	97%	70%	130%
Nitrite as N	5591601		<0.05	<0.05	NA	< 0.05	100%	80%	120%	NA	80%	120%	99%	70%	130%
Ammonia as N	5592393		<0.03	<0.03	NA	< 0.03	92%	80%	120%	99%	80%	120%	109%	70%	130%
Total Organic Carbon	5590842		0.7	0.5	NA	< 0.5	95%	80%	120%	NA	80%	120%	96%	80%	120%
Ortho-Phosphate as P	5590842		0.68	0.70	3.6%	< 0.01	114%	80%	120%	101%	80%	120%	107%	80%	120%
Total Sodium	5592738		72.8	75.8	4.0%	< 0.1	99%	80%	120%	95%	80%	120%	NA	70%	130%
Total Potassium	5592738		0.8	0.8	3.1%	< 0.1	99%	80%	120%	101%	80%	120%	99%	70%	130%
Total Calcium	5592738		0.1	<0.1	NA	< 0.1	98%	80%	120%	99%	80%	120%	94%	70%	130%
Total Magnesium	5592738		<0.1	<0.1	NA	< 0.1	100%	80%	120%	99%	80%	120%	98%	70%	130%
Bicarb. Alkalinity (as CaCO3)	5592316	5592316	73	73	0.7%	<15	NA	80%	120%	NA			NA		
Carb. Alkalinity (as CaCO3)	5592316	5592316	<10	<10	NA	< 10	NA	80%	120%	NA			NA		
Hydroxide	5592316	5592316	<5	<5	NA	< 5	NA	80%	120%	NA			NA		
Total Aluminum	5592738		15	10	NA	< 5	94%	80%	120%	101%	80%	120%	97%	70%	130%
Total Antimony	5592738		<2	<2	NA	< 2	89%	80%	120%	89%	80%	120%	87%	70%	130%
Total Arsenic	5592738		4	5	NA	< 2	92%	80%	120%	93%	80%	120%	92%	70%	130%
Total Barium	5592738		<5	<5	NA	< 5	89%	80%	120%	90%	80%	120%	86%	70%	130%
Total Beryllium	5592738		<2	<2	NA	< 2	98%	80%	120%	107%	80%	120%	105%	70%	130%
Total Bismuth	5592738		<2	<2	NA	< 2	90%	80%	120%	94%	80%	120%	93%	70%	130%
Total Boron	5592738		41	45	9.7%	< 5	90%	80%	120%	81%	80%	120%	106%	70%	130%
Total Cadmium	5592738		<0.07	<0.07	NA	< 0.09	89%	80%	120%	88%	80%	120%	87%	70%	130%
Total Chromium	5592738		<2	<2	NA	< 1	93%	80%	120%	94%	80%	120%	91%	70%	130%
Total Cobalt	5592738		<0.8	<0.8	NA	< 1	92%	80%	120%	94%	80%	120%	90%	70%	130%
Total Copper	5592738		<2	<2	NA	< 1	92%	80%	120%	91%	80%	120%	89%	70%	130%
Total Iron	5592738		<50	<50	NA	< 50	96%	80%	120%	97%	80%	120%	93%	70%	130%
Total Lead	5592738		<0.5	<0.5	NA	< 0.5	91%	80%	120%	94%	80%	120%	91%	70%	130%
Total Manganese	5592738		<2	<2	NA	< 2	94%	80%	120%	96%	80%	120%	93%	70%	130%
Total Molybdenum	5592738		12	12	2.7%	< 2	89%	80%	120%	85%	80%	120%	86%	70%	130%
Total Nickel	5592738		<2	<2	NA	< 2	93%	80%	120%	95%	80%	120%	90%	70%	130%
Total Phosphorous	5592738		2.22	2.20	0.9%	< 0.02	90%	80%	120%	93%	80%	120%	NA	70%	130%
Total Selenium	5592738		<1	<1	NA	< 1	92%	80%	120%	93%	80%	120%	92%	70%	130%

AGAT Laboratories
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Quality Assurance

CLIENT NAME: TOWN OF KENTVILLE
AGAT WORK ORDER: 24X113197
PROJECT:
ATTENTION TO: Dave Bell
SAMPLING SITE:
SAMPLED BY:

Water Analysis (Continued)

RPT Date: Jan 29, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Total Silver	5592738		<0.1	<0.1	NA	< 0.1	89%	80%	120%	86%	80%	120%	84%	70%	130%
Total Strontium	5592738		<5	<5	NA	< 5	92%	80%	120%	94%	80%	120%	93%	70%	130%
Total Thallium	5592738		<0.1	<0.1	NA	< 0.1	90%	80%	120%	92%	80%	120%	90%	70%	130%
Total Tin	5592738		<2	<2	NA	< 2	90%	80%	120%	89%	80%	120%	87%	70%	130%
Total Titanium	5592738		<3	<3	NA	< 2	94%	80%	120%	90%	80%	120%	93%	70%	130%
Total Uranium	5592738		1.6	1.6	1.7%	< 0.2	86%	80%	120%	88%	80%	120%	87%	70%	130%
Total Vanadium	5592738		<2	<2	NA	< 2	92%	80%	120%	84%	80%	120%	91%	70%	130%
Total Zinc	5592738		<5	<5	NA	< 5	101%	80%	120%	90%	80%	120%	93%	70%	130%

Comments: If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Certified By: Kaleigh Cullen

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Method Summary

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X113197

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
pH	INOR-121-6001	SM 4500 H+B	PC TITRATE
Reactive Silica as SiO2	INOR-121-6027	SM 4500-SiO2 F	COLORIMETER
Chloride	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Fluoride	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Sulphate	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Alkalinity	INOR-121-6001	SM 2320 B	
True Color	INOR-121-6008	SM 2120 B	LACHAT FIA
Turbidity	INOR-121-6001	SM 2130 B	PC TITRATE
Electrical Conductivity	INOR-121-6001	SM 2510 B	PC TITRATE
Nitrate + Nitrite as N	INORG-121-6005	SM 4110 B	CALCULATION
Nitrate as N	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Nitrite as N	INORG-121-6005	SM 4110 B	ION CHROMATOGRAPH
Ammonia as N	INOR-121-6047	SM 4500-NH3 H	COLORIMETER
Total Organic Carbon	INOR-121-6026	SM 5310 B	TOC ANALYZER
Ortho-Phosphate as P	INOR-121-6012	SM 4500-P G	COLORIMETER
Total Sodium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Potassium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Calcium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Magnesium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Bicarb. Alkalinity (as CaCO3)	INORG-121-6001	SM 2320 B	PC TITRATE
Carb. Alkalinity (as CaCO3)	INORG-121-6001	SM 2320 B	PC TITRATE
Hydroxide	INORG-121-6001	SM 2320 B	PC-TITRATE
Calculated TDS	CALCULATION	SM 1030E	CALCULATION
Hardness	CALCULATION	SM 2340B	CALCULATION
Langelier Index (@20C)	CALCULATION	CALCULATION	CALCULATION
Langelier Index (@ 4C)	CALCULATION	CALCULATION	CALCULATION
Saturation pH (@ 20C)	CALCULATION	CALCULATION	CALCULATION
Saturation pH (@ 4C)	CALCULATION	CALCULATION	CALCULATION
Anion Sum	CALCULATION	SM 1030E	CALCULATION
Cation sum	CALCULATION	SM 1030E	CALCULATION
% Difference/ Ion Balance	CALCULATION	SM 1030E	CALCULATION
Total Aluminum	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Antimony	MET121-6104 & MET-121-6105	SM 3125	ICP-MS
Total Arsenic	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Barium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Beryllium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Bismuth	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Boron	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Cadmium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS

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Method Summary

CLIENT NAME: TOWN OF KENTVILLE

AGAT WORK ORDER: 24X113197

PROJECT:

ATTENTION TO: Dave Bell

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Total Chromium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Cobalt	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Copper	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Iron	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Lead	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Manganese	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Molybdenum	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Nickel	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Phosphorous	MET-121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Selenium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Silver	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Strontium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Thallium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Tin	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Titanium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Uranium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Vanadium	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS
Total Zinc	MET121-6104 & MET-121-6105	modified from SM 3125/SM 3030 B/SM 3030 D	ICP-MS

AGAT Laboratories

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Chain of Custody Record

Laboratory Use Only
Arrival Condition: ☐ Good ☐ Poor (see notes)
Arrival Temperature: 0.8, 0.7, 1.0
Hold Time:
AGAT Job Number: 24X113197
Notes:

Report Information
Company: Town of Kentville
Contact: David Bell
Address: 354 Main Street
Kentville, NS B4N 1K6
Phone: 902-679-2521 Fax: 902-679-2375
Client Project #:
AGAT Quotation:
Please Note: If quotation number is not provided client will be billed full price for analysis.

Report Information (Please print):
1. Name: Dave Bell
Email: dbell@kentville.ca
2. Name:
Email:

Report Format
☐ Single Sample per page
☑ Multiple Samples per page
☐ Excel Format Included
☐ Export

Turnaround Time Required (TAT)
Regular TAT ☑ 5 to 7 working days
Rush TAT ☐ Same day ☐ 1 day ☐ 2 days ☐ 3 days
Date Required:

Invoice To Same Yes ☐ / No ☐
Company:
Contact:
Address:
Phone: Fax:
PO/Credit Card#:

Regulatory Requirements (Check):
☐ List Guidelines on Report ☐ Do not list Guidelines on Report
☐ PIRI
☐ Tier 1 ☐ Res ☐ Pot ☐ Coarse
☐ Tier 2 ☐ Com ☐ N/Pot ☐ Fine
☐ Gas ☐ Fuel ☐ Lube
☐ CCME ☑ CDWQ
☐ Industrial ☐ NSEQS-Cont Sites
☐ Commercial ☐ HRM 101
☐ Res/Park ☐ Storm Water
☐ Agricultural ☐ Waste Water
☐ FWAL
☐ Sediment ☐ Other

Drinking Water Sample: ☐ Yes ☐ No **Salt Water Sample** ☐ Yes ☐ No
Reg. No.:

Sample Identification	Date/Time Sampled	Sample Matrix	# Containers	Comments – Site/Sample Info. Sample Containment
1 - Prospect Reservoir	Jan 18/24 10:30am		3	
2 - D.E. Hiltz Connector Road	Jan 18/24 10:50am		3	
3 - Mitchell Well #1	Jan 18/24 11:00am		3	
4 - Mitchell Well #2	Jan 18/24 11:10Am		3	
5 - Bonavista Well	Jan 18/24 11:20am		3	
6 - West End Well #1	Jan 18/24 11:30Am		3	
7 - West End Well #2	Jan 18/24 11:25Am		3	
8 - East End Well #1	Jan 18/24 11:50AM		3	
9 - East End Well #2	Jan 18/24 11:40		3	

Field Filtered/Preserved	Standard Water Analysis	Metals: ☑ Total ☐ Diss ☐ Available	Mercury	☐ BOD ☐ CBOD	pH	☐ TSS ☐ TDS ☐ VSS	TKN	Total Phosphorus	Phenols	Tier 1: TPH/BTEX (PIRI) ☐ low level	Tier 2: TPH/BTEX Fractionation	CCME-CWS TPH/BTEX	VOC	THM	HAA	PAH	PCB	TC + EC ☐ P/A ☐ MPN ☐ MF	☐ HPC ☐ Pseudomonas	Fecal Coliform ☐ MPN ☐ MF	Other:	Other:	Hazardous (Y/N)
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	☑	☑																				
	☑	☑																				

Samples Relinquished By (Print Name): Jim Ratcliffe
Date/Time: Jan 18/24
Samples Relinquished By (Sign):
Date/Time: Jan 18/24
Samples Received By (Print Name):
Date/Time:
Samples Received By (Sign):
Date/Time:

Pink Copy - Client
Yellow Copy - AGAT
White Copy- AGAT

Page ___ of ___
N°:

Document ID: DM-[illegible]

Date revised: Apr 19, 2021

WATER
COMMISSION
Kentville