

Reporting Period:	October 1, 2011 - September 30, 2012
Water Scheme Name:	Somerset Township
System Location:	Somerset Regional Council

Microbiology

	Unit of Measure	LOR	Number of Tests	12 Monthly Rolling Compliance	Minimum	Maximum	Average
Escherichia Coli							
October	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
November	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
December	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
January	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
February	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
March	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
April	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
May	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
June	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
July	cfu/100mL	1	4	100	<LOR	<LOR	<LOR
August	cfu/100mL	1	5	100	<LOR	<LOR	<LOR
September	cfu/100mL	1	4	100	<LOR	<LOR	<LOR

LOR = Limit of reporting

Chemistry (General)

General	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Alkalinity	mg/L	1	12			35	49	42	47
Ammonia (Total, as N)	mg/L	0.004	12		0.5	<LOR	0.01	<LOR	<LOR
Colour (True)	PCU	0.5	12		15	<LOR	0.8	<LOR	0.75
Conductivity	uS/cm	1	12		950	240	300	264	289
Langelier Index			12			<LOR	<LOR	<LOR	-0.81
Silica	mg/L	0.1	12			8.6	12	10	11
Total Dissolved Salts	mg/L	1	12			160	190	169	185
Total Hardness	mg/L	0.1	12		200	49	69	60	68
Total Organic Carbon	mg/L	0.1	12			1.8	3.1	2.3	2.8
Turbidity	NTU	0.1	12		5	0.16	0.38	0.24	0.37
pH	pH Unit	0.1	12		6.5-8.5	7.1	7.9	7.6	7.9

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Chemistry (Cations)

Cations	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Calcium	mg/L	0.02	12			10	14	12	14
Magnesium	mg/L	0.02	12			5.7	8.5	7.2	8.3
Potassium	mg/L	0.05	12			1.8	2.2	2.1	2.2
Sodium	mg/L	0.05	12		180	24	42	29	37

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Chemistry (Anions)

Anions	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Bromide	mg/L	0.01	12		NL	<LOR	0.11	0.02	0.08
Chloride	mg/L	1	12		250	23	39	32	39
Chlorine (Free)	mg/L	0.1	53	5		0.47	2.2	1.2	1.9
Chlorine (Combined)	mg/L	0.1	53	NL	NL	<LOR	0.6	0.2	0.5
Chlorine (Total)	mg/L	0.1	53			0.79	2.4	1.4	2.0
Fluoride (as F)	mg/L	0.05	12	1.5		<LOR	0.07	<LOR	0.07
Nitrate (as N)	mg/L	0.1	12	50		<LOR	0.18	<LOR	0.16
Nitrite (as N)	mg/L	0.1	12	3		<LOR	<LOR	<LOR	<LOR
Nitrite and Nitrate(as N)	mg/L	0.001	12	NL	NL	0.01	0.18	0.07	0.16
Sulfate (as SO4)	mg/L	0.1	12	500		27	46	32	41

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Chemistry (Taste and Odour)

Taste and Odour	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Geosmin	ng/L	2	12		5	<LOR	8	4	7
2-Methylisoborneol	ng/L	2	12		5	<LOR	8	3	7

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Chemistry (Metals)

Metals	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Aluminium	mg/L	0.001	12		0.2	0.01	0.03	0.02	0.03
Barium	mg/L	0.001	12	2		0.01	0.02	0.02	0.02
Cadmium	mg/L	0.001	12	0.002		<LOR	<LOR	<LOR	<LOR
Chromium	mg/L	0.001	12	0.05		<LOR	<LOR	<LOR	<LOR
Copper	mg/L	0.001	12	2		0.003	0.01	0.01	0.01
Iron	mg/L	0.001	12		0.3	0.02	0.06	0.03	0.05
Lead	mg/L	0.001	12	0.01		<LOR	<LOR	<LOR	<LOR
Manganese	mg/L	0.001	12	0.5	0.1	0.002	0.01	<LOR	0.01
Nickel	mg/L	0.001	12	0.02		<LOR	<LOR	<LOR	<LOR
Zinc	mg/L	0.001	12		3	0.01	0.01	0.01	0.01

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Chemistry (DBP)

Disinfection By-Products	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Bromodichloromethane	ug/L	2	12			19	31	24	30
Bromoform	ug/L	2	12			<LOR	3	<LOR	3
Chlorodibromomethane	ug/L	2	12			8	17	12	17
Chloroform	ug/L	2	12			34	50	41	49
Trihalomethanes (Total)	ug/L		12	250		62	99	78	95
Bromochloroacetic Acid	ug/L	10	12			<LOR	16	12	16
Dibromoacetic Acid	ug/L	10	12			<LOR	<LOR	<LOR	<LOR
Dichloroacetic Acid	ug/L	10	12	100		19	57	36	56
Monobromoacetic Acid	ug/L	10	12			<LOR	<LOR	<LOR	<LOR
Monochloroacetic Acid	ug/L	10	12	150		<LOR	<LOR	<LOR	<LOR
Trichloroacetic Acid	ug/L	10	12	100		14	54	27	48
Haloacetic Acids (Total)	ug/L	60	12			<LOR	110	65	110
Chlorate	mg/L	0.01	12	0.7		0.08	1.9	0.66	1.5

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Microbiology (Other)

Microbiology	Unit of Measure	LOR	Number of Tests	Health Limit	Aesthetic Limit	Minimum	Maximum	Average	95th Percentile
Faecal Coliforms	cfu/100mL	1	53			<LOR	<LOR	<LOR	<LOR
Heterotrophic Plate Count	cfu/mL	1	52			<LOR	11	<LOR	1

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