

Reporting Period:	October 1, 2011 - September 30, 2012
Water Scheme Name:	SEQ Water Grid - BRISBANE
System Location:	Brisbane City Council

Microbiology

Escherichia Coli	Unit of Measure	LOR	Number of Tests	12 Monthly Rolling Compliance	Minimum	Maximum	Average
October	cfu/100mL	1	677	99.93	<LOR	<LOR	<LOR
November	cfu/100mL	1	713	99.92	<LOR	2	<LOR
December	cfu/100mL	1	625	99.92	<LOR	<LOR	<LOR
January	cfu/100mL	1	726	99.91	<LOR	3	<LOR
February	cfu/100mL	1	694	99.93	<LOR	7	<LOR
March	cfu/100mL	1	709	99.89	<LOR	18	<LOR
April	cfu/100mL	1	693	99.89	<LOR	<LOR	<LOR
May	cfu/100mL	1	750	99.88	<LOR	1	<LOR
June	cfu/100mL	1	712	99.88	<LOR	<LOR	<LOR
July	cfu/100mL	1	717	99.88	<LOR	<LOR	<LOR
August	cfu/100mL	1	751	99.88	<LOR	<LOR	<LOR
September	cfu/100mL	1	665	99.88	<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	96			44	120	70	97
Ammonia (Free, as N)	mg/L	0.1	1386		0.5	<LOR	0.5	<LOR	0.1
Ammonia (Total, as N)	mg/L	0.004	1386		0.5	<LOR	0.90	0.16	0.56
Colour (True)	PCU	0.5	1386		15	<LOR	3.7	1.2	1.8
Conductivity	uS/cm	1	96		950	220	810	396	723
Conductivity (Field)	uS/cm	1	8261		950	210	950	479	740
Langelier Index		0.1	96			<LOR	0.18	<LOR	0.06
Silica	mg/L	0.1	96			3.4	18	11	17
Temperature	deg C	0.1	8446			11	32	23	28
Total Dissolved Salts	mg/L	1	96			140	520	254	460
Total Hardness	mg/L	0.1	388		200	60	220	124	170
Total Organic Carbon	mg/L	0.1	95			1.8	3.7	2.8	3.4
Turbidity	NTU	0.1	1387		5	<LOR	16	0.31	0.56
pH	pH Unit	0.1	1386		6.5-8.5	6.7	8.3	7.7	8
pH (Field)	pH Unit	0.1	8280		6.5-8.5	7	8.2	7.6	8

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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	388			14	44	29	37
Magnesium	mg/L	0.02	388			5.3	29	13	19
Potassium	mg/L	0.05	400			1.7	5.2	2.6	3.5
Sodium	mg/L	0.05	400		180	17	87	36	62

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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	96			<LOR	0.38	0.05	0.11
Chloride	mg/L	1	96		250	19	150	54	140
Chlorine (Free)	mg/L	0.1	8446			<LOR	1.6	<LOR	<LOR
Chlorine (Combined)	mg/L	0.1	8447			<LOR	3.9	1.1	2.7
Chlorine (Total)	mg/L	0.1	9832	4.1		<LOR	3.9	1.1	2.7
Fluoride (as F)	mg/L	0.05	96	1.5		0.62	0.89	0.78	0.84
Nitrate (as N)	mg/L	0.1	1386	50		<LOR	1.1	0.42	0.76
Nitrite (as N)	mg/L	0.1	1386	3		<LOR	0.37	<LOR	0.22
Nitrite and Nitrate(as N)	mg/L	0.001	1386			0.01	1.1	0.49	0.81
Sulfate (as SO4)	mg/L	0.1	96	500		21	94	34	51

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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	96		5	<LOR	9	3	7
2-Methylisoborneol	ng/L	2	96		5	<LOR	15	4	9

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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	400		0.2	<LOR	0.12	0.03	0.05
Barium	mg/L	0.001	400	2		0.01	0.05	0.02	0.03
Cadmium	mg/L	0.001	400	0.002		<LOR	<LOR	<LOR	<LOR
Chromium	mg/L	0.001	400	0.05		<LOR	0.002	<LOR	<LOR
Copper	mg/L	0.001	400	2		0.005	0.11	0.02	0.04
Iron	mg/L	0.001	400		0.3	0.004	0.37	0.02	0.05
Lead	mg/L	0.001	400	0.01		<LOR	0.008	<LOR	<LOR
Manganese	mg/L	0.001	400	0.5	0.1	<LOR	0.13	0.01	0.03
Nickel	mg/L	0.001	400	0.02		<LOR	0.002	<LOR	<LOR
Zinc	mg/L	0.001	400		3	<LOR	0.03	<LOR	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	59			<LOR	40	20	31
Bromoform	ug/L	2	59			<LOR	16	4	9
Chlorodibromomethane	ug/L	2	59			<LOR	39	16	36
Chloroform	ug/L	2	59			10	48	25	39
Trihalomethanes (Total)	ug/L	8	59	250		15	120	65	94
Bromochloroacetic Acid	ug/L	10	59			<LOR	17	<LOR	14
Dibromoacetic Acid	ug/L	10	59			<LOR	13	<LOR	<LOR
Dichloroacetic Acid	ug/L	10	59	100		<LOR	26	<LOR	17
Monobromoacetic Acid	ug/L	10	59			<LOR	<LOR	<LOR	<LOR
Monochloroacetic Acid	ug/L	10	59	150		<LOR	<LOR	<LOR	<LOR
Trichloroacetic Acid	ug/L	10	59	100		<LOR	26	<LOR	13
Haloacetic Acids (Total)	ug/L	60	59			<LOR	<LOR	<LOR	<LOR
Chlorate	mg/L	0.01	59	0.7		0.05	0.49	0.18	0.37
N-Nitrosodimethylamine	ng/L	5	12			<LOR	<LOR	<LOR	<LOR

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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	8447			<LOR	18	<LOR	<LOR
Heterotrophic Plate Count	cfu/mL	1	8447			<LOR	11400	146	160

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