RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 2/03/2021 . Lab Job No. K4177.
Samples submitted by Lise Bolton. Your Job: SMC010- Blakebrook WQ - Groundwater - March21

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9
		BQN1-B	BQN1-A	BQN1-D	BQN2-B	BQN2-A	BQN2-D	BQS1-S	BQS1-I	BQS1-D
	Job No.	K4177/1	K4177/2	K4177/3	K4177/4	K4177/5	K4177/6	K4177/7	K4177/8	K4177/9
pH	APHA 4500-H+-B	7.00	9.22	8.43	9.06	7.75	8.77	6.36	8.01	8.19
Conductivity (EC) (dS/m)	APHA 2510-B	1.001	1.767	1.378	1.044	0.680	0.906	0.252	1.442	1.763
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	681	1,202	937	710	462	616	171	981	1,199
Bicarbonate (Alkalinity) (mg/L $CaCO_3$ equivalent)	** Total Alkalinity - APHA 2320	198	121	124	120	187	342	96	181	117
Water Hardness (mg/L $CaCO_3$ equivalent)	** Using Ca and Mg calculation	137	182	59	78	97	11	47	99	41
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	<2	<2	<2	2	3	5	<2	<2	<2
Sodium (mg/L)	APHA 3125 ICPMS [note 1&2]	163	298	278	184	112	205	35.5	254	348
Potassium (mg/L)	APHA 3125 ICPMS [note 1&2]	4.21	6.69	2.78	6.70	7.08	2.15	2.36	5.79	4.11
Calcium (mg/L)	APHA 3125 ICPMS [note 1&2]	28.3	60.4	13.0	23.9	23.7	3.58	11.9	30.4	13.3
Magnesium (mg/L)	APHA 3125 ICPMS [note 1&2]	16.0	7.55	6.42	4.54	9.17	0.44	4.15	5.48	1.80
Sodium Absorption Ratio (SAR)	** By calculation	6.1	9.6	15.7	9.0	4.9	27.2	2.3	11.1	23.7
Chloride (mg/L)	APHA 3125 ICPMS [note 1&2]	232	508	320	244	100	101	17	356	477
Sulfate (mg/L SO_4^{2-})	APHA 3125 ICPMS [note 1&2]	7	21	83	28	19	19	7	12	38
Chloride/Sulfate Ratio	** Calculation	31.7	24.6	3.8	8.7	5.3	5.3	2.6	28.9	12.4
Iron (mg/L)	Total Available - APHA 3125 ICPMS [note 1&2]	1.63	2.33	12.2	0.203	0.052	0.083	0.245	0.099	0.455
Lead (mg/L)	Total Available - APHA 3125 ICPMS [note 1&2]	0.001	0.003	0.002	0.077	0.001	0.001	<0.001	<0.001	<0.001
Iron (mg/L)	Dissolved - APHA 3125 ICPMS [note 1&2]	0.013	0.055	0.007	<0.005	<0.005	<0.005	<0.005	0.046	<0.005
Lead (mg/L)	Dissolved - APHA 3125 ICPMS [note 1&2]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BTEX										
Benzene (µg/L or ppb)	Subcontracted: SGS report SE 217176	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L or ppb)	Subcontracted: SGS report SE 217176	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L or ppb)	Subcontracted: SGS report SE 217176	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene (µg/L or ppb)	Subcontracted: SGS report SE 217176	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene (µg/L or ppb)	Subcontracted: SGS report SE 217176	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene (µg/L or ppb)	Subcontracted: SGS report SE 217176	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
C6-C9 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<40	<40	<40	<40	<40	<40	<40	<40	<40
C10-C14 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15-C28 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<100	<100	<100	<100	<100	<100	<100	<100	<100
C29-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C16 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<60	<60	<60	<60	<60	<60	<60	<60	<60
C16-C34 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<200	<200	<200	<200	<200	<200	<200	<200	<200
C34-C40 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum C10-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 217176	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

1. Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2;
   Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
2. Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
3. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
4. For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
5. Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
6. Analysis conducted between sample arrival date and reporting date.
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11. Results relate only to the samples tested.
12. This report was issued on 16/03/2021.

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Graham Lancaster
Laboratory Manager

RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 4/06/2021 . Lab Job No. K7740.
Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ - Groundwater-JUNE21
13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9
		BQN1-B	BQN1-A	BQN1-D	BQN2-B	BQN2-A	BQN2-D	BQS1-S	BQS1-I	BQS1-D
	Job No.	*K7740/1*	*K7740/2*	*K7740/3*	*K7740/4*	*K7740/5*	*K7740/6*	*K7740/7*	*K7740/8*	*K7740/9*
Bicarbonate (Alkalinity) (mg/L $CaCO_3$ equivalent)	** Total Alkalinity - APHA 2320	198	120	<1	85	190	318	120	180	115
Water Hardness (mg/L $CaCO_3$ equivalent)	** Using Ca and Mg calculation	135	132	26	59	96	10	51	92	40
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	6	2	2	<2	<2	3	<2	2	<2
Sodium (mg/L)	APHA 3125 ICPMS[note 1&2]	157	318	260	151	107	199	34.7	250	340
Potassium (mg/L)	APHA 3125 ICPMS[note 1&2]	3.52	6.27	2.13	6.25	6.37	1.76	2.10	4.86	3.68
Calcium (mg/L)	APHA 3125 ICPMS[note 1&2]	26.6	42.7	9.06	23.2	23.6	3.23	12.6	28.4	13.0
Magnesium (mg/L)	APHA 3125 ICPMS[note 1&2]	16.7	6.24	0.89	0.37	8.93	0.45	4.66	5.21	1.74
Sodium Absorption Ratio (SAR)	** By calculation	5.9	12.0	22.0	8.5	4.7	27.4	2.1	11.3	23.5
Chloride (mg/L)	APHA 3125 ICPMS[note 1&2]	189	478	266	182	80	79	16	295	416
Sulfate (mg/L SO_4^{2-})	APHA 3125 ICPMS[note 1&2]	8	25	69	39	21	19	8	13	36
Chloride/Sulfate Ratio	** Calculation	22.5	19.2	3.8	4.7	3.8	4.2	1.9	22.6	11.5
Iron (mg/L)	Total Available - APHA 3125 ICPMS[note 1&2]	1.63	0.038	0.365	0.018	0.018	0.062	0.112	0.039	0.167
Lead (mg/L)	Total Available - APHA 3125 ICPMS[note 1&2]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron (mg/L)	Dissolved - APHA 3125 ICPMS[note 1&2]	0.82	0.003	0.002	0.005	0.008	0.003	0.004	0.023	0.002
Lead (mg/L)	Dissolved - APHA 3125 ICPMS[note 1&2]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BTEX										
Benzene (µg/L or ppb)	Subcontracted: SGS report SE220458	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L or ppb)	Subcontracted: SGS report SE220458	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L or ppb)	Subcontracted: SGS report SE220458	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene (µg/L or ppb)	Subcontracted: SGS report SE220458	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene (µg/L or ppb)	Subcontracted: SGS report SE220458	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene (µg/L or ppb)	Subcontracted: SGS report SE220458	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
C6-C9 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<40	<40	<40	<40	<40	<40	<40	<40	<40
C10-C14 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15-C28 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<100	<100	<100	<100	<100	<100	<100	<100	<100
C29-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C16 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<60	<60	<60	<60	<60	<60	<60	<60	<60
C16-C34 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<200	<200	<200	<200	<200	<200	<200	<200	<200
C34-C40 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum C10-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE220458	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

1. Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2;
   Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
2. Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
3. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
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12. This report was issued on 17/06/2021.

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checked: .....
Graham Lancaster
Laboratory Manager

RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 3/09/2021 . Lab Job No. M0999.
Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ-Groundwater-SEPT21
13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1 BQN1-B	Sample 2 BQN1-A	Sample 3 BQN1-D	Sample 4 BQN2-B	Sample 5 BQN2-A	Sample 6 BQN2-D	Sample 7 BQS1-S	Sample 8 BQS1-I	Sample 9 BQS1-D
	Job No.	*M0999/1*	*M0999/2*	*M0999/3*	*M0999/4*	*M0999/5*	*M0999/6*	*M0999/7*	*M0999/8*	*M0999/9*
Bicarbonate (Alkalinity) (mg/L $CaCO_3$ equivalent)	** Total Alkalinity - APHA 2320	203	108	125	87	140	305	103	180	116
Water Hardness (mg/L $CaCO_3$ equivalent)	** Using Ca and Mg calculation	145	245	196	89	82	11	56	99	49
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	<2	<2	5	<2	<2	5	10	4	11
Sodium (mg/L)	APHA 3125 ICPMS[note 1&2]	177	350	277	167	70.2	218	38.0	277	371
Potassium (mg/L)	APHA 3125 ICPMS[note 1&2]	4.03	6.8	3.0	6.4	4.5	2.2	2.5	5.6	4.26
Calcium (mg/L)	APHA 3125 ICPMS[note 1&2]	28.3	77.7	24.7	30.5	20.1	3.6	14.7	30.3	15.2
Magnesium (mg/L)	APHA 3125 ICPMS[note 1&2]	18.0	12.4	32.5	3.1	7.7	0.5	4.7	5.7	2.59
Sodium Absorption Ratio (SAR)	** By calculation	6.4	9.7	8.6	7.7	3.4	28.3	2.2	12.1	23.1
Chloride (mg/L)	APHA 3125 ICPMS[note 1&2]	202	504	288	203	52	96	22	315	419
Sulfate (mg/L SO_4^{2-})	APHA 3125 ICPMS[note 1&2]	6	21	65	29	8	15	4	7	33
Chloride/Sulfate Ratio	** Calculation	35.5	23.6	4.4	7.0	6.8	6.2	6.0	42.5	12.6
Iron (mg/L)	Total Available - APHA 3125 ICPMS[note 1&2]	1.77	7.34	66.6	0.535	0.138	0.314	0.326	0.112	1.97
Lead (mg/L)	Total Available - APHA 3125 ICPMS[note 1&2]	<0.001	0.004	0.004	0.001	0.001	0.001	0.001	<0.001	0.001
Iron (mg/L)	Dissolved - APHA 3125 ICPMS[note 1&2]	0.038	0.002	0.013	0.003	0.002	0.003	0.001	0.023	0.003
Lead (mg/L)	Dissolved - APHA 3125 ICPMS[note 1&2]	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
BTEX										
Benzene (µg/L or ppb)	Subcontracted: SGS report SE223311	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L or ppb)	Subcontracted: SGS report SE223311	<0.5	<0.5	<0.5	<0.5	<0.5	6.9	<0.5	<0.5	<0.5
Ethylbenzene (µg/L or ppb)	Subcontracted: SGS report SE223311	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene (µg/L or ppb)	Subcontracted: SGS report SE223311	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene (µg/L or ppb)	Subcontracted: SGS report SE223311	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene (µg/L or ppb)	Subcontracted: SGS report SE223311	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
C6-C9 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<40	<40	<40	<40	<40	<40	<40	<40	<40
C10-C14 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15-C28 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<100	<100	<100	<100	<100	<100	<100	<100	<100
C29-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C16 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<60	<60	<60	<60	<60	<60	<60	<60	<60
C16-C34 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<200	<200	<200	<200	<200	<200	<200	<200	<200
C34-C40 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum C10-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE223311	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

1. Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2;
   Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
2. Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
3. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
4. For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
5. Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
6. Analysis conducted between sample arrival date and reporting date.
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12. This report was issued on 16/09/2021.

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Graham Lancaster
Laboratory Manager

RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 2/12/2021 . Lab Job No. M4070.
Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ- Groundwater DEC21

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9
		BNQ1-B	BNQ1-A	BNQ1-D	BNQ2-B	BNQ2-A	BNQ2-D	BNS1-S	BNS1-I	BNS1-D
	Job No.	*M4070/1*	*M4070/2*	*M4070/3*	*M4070/4*	*M4070/5*	*M4070/6*	*M4070/7*	*M4070/8*	*M4070/9*
Bicarbonate (Alkalinity) (mg/L $CaCO_3$ equivalent)	** Total Alkalinity - APHA 2320	237	61	127	90	159	360	112	187	112
Water Hardness (mg/L $CaCO_3$ equivalent)	** Using Ca and Mg calculation	149	152	110	75	106	11	59	96	39
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	2	<2	2	5	5	7	8	6	17
Sodium (mg/L)	APHA 3125 ICPMS[Note 1&2]	181	357	294	168	93.2	220	38.0	271	344
Potassium (mg/L)	APHA 3125 ICPMS[Note 1&2]	3.98	7.26	2.85	6.58	5.58	2.00	2.38	5.23	3.71
Calcium (mg/L)	APHA 3125 ICPMS[Note 1&2]	28.7	47.6	16.4	26.7	24.9	3.57	14.9	29.4	12.7
Magnesium (mg/L)	APHA 3125 ICPMS[Note 1&2]	18.8	7.92	16.7	2.01	10.5	0.49	5.21	5.39	1.70
Sodium Absorption Ratio (SAR)	** By calculation	6.4	12.6	12.2	8.4	3.9	28.9	2.2	12.0	24.0
Chloride (mg/L)	APHA 3125 ICPMS[Note 1&2]	211	541	309	221	77	93	22	317	438
Sulfate (mg/L SO_4^{2-})	APHA 3125 ICPMS[Note 1&2]	8	25	76	31	14	18	6	10	38
Chloride/Sulfate Ratio	** Calculation	25.7	21.4	4.1	7.1	5.5	5.1	3.4	31.1	11.5
Iron (mg/L)	Total Available - APHA 3125 ICPMS[Note 1&2]	1.77	0.362	31.1	0.246	0.134	0.183	0.269	0.636	0.344
Lead (mg/L)	Total Available - APHA 3125 ICPMS[Note 1&2]	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Iron (mg/L)	Dissolved - APHA 3125 ICPMS[Note 1&2]	0.086	0.010	0.011	0.005	0.006	0.006	0.005	0.022	0.005
BTEX										
Benzene (µg/L or ppb)	Subcontracted: SGS report SE 226623	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L or ppb)	Subcontracted: SGS report SE 226623	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L or ppb)	Subcontracted: SGS report SE 226623	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene (µg/L or ppb)	Subcontracted: SGS report SE 226623	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene (µg/L or ppb)	Subcontracted: SGS report SE 226623	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene (µg/L or ppb)	Subcontracted: SGS report SE 226623	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
C6-C9 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<40	<40	<40	<40	<40	<40	<40	<40	<40
C10-C14 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15-C28 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<100	<100	<100	<100	<100	<100	390	<100	<100
C29-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C16 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<100	<100	<100	<100	<100	<100	390	<100	<100
C16-C34 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<200	<200	<200	<200	<200	<200	370	<200	<200
C34-C40 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum C10-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE 226623	<100	<100	<100	<100	<100	<100	390	<100	<100

Notes:

1. Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2;
   Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
2. Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
3. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
4. For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
5. Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
6. Analysis conducted between sample arrival date and reporting date.
7. ** NATA accreditation does not cover the performance of this service.
8. .. Denotes not requested.
9. This report is not to be reproduced except in full.
10. All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (refer scu.edu.au/eal or on request).
11. Results relate only to the samples tested.
12. This draft report was issued on 15/12/2021.

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checked: .....
Graham Lancaster
Laboratory Manager