

RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 22/03/2022. Lab Job No. M7106.
 Samples submitted by Lise Bolton. Your Job: SMC010-BlakebrookWQ-Groundwater-MARCH22
 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.	M7106/1	M7106/2	M7106/3	M7106/4	M7106/5	M7106/6	M7106/7	M7106/8	M7106/9
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	224	200	121	83	150	326	112	181	107
Water Hardness (mg/L CaCO ₃ equivalent)	** Using Ca and Mg calculation	152	253	35	72	81	15	63	99	46
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	6	4	5	<2	<2	6	5	5	7
Sodium (mg/L)	APHA 3125 ICPMS ¹⁰¹⁴ 182	191	298	294	171	78.5	231	41.7	283	390
Potassium (mg/L)	APHA 3125 ICPMS ¹⁰¹⁴ 182	3.91	9.07	2.42	5.94	4.49	2.04	3.11	5.54	3.96
Calcium (mg/L)	APHA 3125 ICPMS ¹⁰¹⁴ 182	30.6	91.4	10.4	25.4	20.0	4.83	17.0	31.0	14.9
Magnesium (mg/L)	APHA 3125 ICPMS ¹⁰¹⁴ 182	18.3	5.92	2.13	2.01	7.51	0.82	5.05	5.32	2.14
Sodium Absorption Ratio (SAR)	** By calculation	6.7	8.1	21.7	8.8	3.8	25.5	2.3	12.3	25.0
Chloride (mg/L)	APHA 3125 ICPMS ¹⁰¹⁴ 182	188	358	267	182	41	85	<10	298	433
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ¹⁰¹⁴ 182	12	26	76	32	18	26	11	16	46
Chloride/Sulfate Ratio	** Calculation	15.6	14.0	3.5	5.7	2.3	3.3	...	18.5	9.4
Iron (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰¹⁴ 182	1.87	0.794	3.21	0.155	0.141	0.739	0.533	0.203	0.907
Lead (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰¹⁴ 182	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.002
Iron (mg/L)	Dissolved - APHA 3125 ICPMS ¹⁰¹⁴ 182	0.318	0.012	0.009	0.009	0.007	0.007	0.023	0.019	0.007
Lead (mg/L)	Dissolved - APHA 3125 ICPMS ¹⁰¹⁴ 182	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
RTEX										
Benzene (µg/L or ppb)	Subcontracted: SGS report SE230336	<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 SE230336	<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 SE230336	<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 SE230336	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene (µg/L or ppb)	Subcontracted: SGS report SE230336	<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 SE230336	<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 SE230336	<40	<40	<40	<40	<40	<40	<40	<40	<40
C10-C14 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15-C28 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<100	<100	<100	<100	<100	<100	<100	<100	<100
C29-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C16 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<60	<60	<60	<60	<60	<60	<60	<60	<60
C10-C16 less Naphthalene Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<60	<60	<60	<60	<60	<60	<60	<60	<60
C16-C34 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<200	<200	<200	<200	<200	<200	<200	<200	<200
C34-C40 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum C10-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE230336	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

- 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
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
- Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- Analysis conducted between sample arrival date and reporting date.
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- Results relate only to the samples tested.
- This report was issued on 05/04/2022.



RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 3/06/2022. Lab Job No. M9259.

Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ- Groundwater-JUNE 22

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.	M9259/1	M9259/2	M9259/3	M9259/4	M9259/5	M9259/6	M9259/7	M9259/8	M9259/9
pH	APHA 4500-H ⁺ -B	7.01	11.03	8.52	8.57	7.60	8.79	6.54	7.94	8.08
Conductivity (EC) (dS/m)	APHA 2510-B	0.988	1.70	1.25	1.27	0.483	0.845	0.260	1.34	1.62
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	672	1,155	847	861	328	575	177	914	1,103
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	235	75	134	157	165	344	114	191	108
Water Hardness (mg/L CaCO ₃ equivalent)	** Using Ca and Mg calculation	142	221	39	108	96	10	60	96	40
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	<2	3	3	2	<2	<2	<2	<2	<2
Sodium (mg/L)	APHA 3125 ICPMS ^{1004 182}	168	318	268	240	76.0	203	35.5	259	340
Potassium (mg/L)	APHA 3125 ICPMS ^{1004 182}	3.71	9.08	2.42	7.09	4.80	1.96	2.64	5.27	3.82
Calcium (mg/L)	APHA 3125 ICPMS ^{1004 182}	27.7	76.8	10.3	31.9	24.7	3.40	15.6	29.4	13.2
Magnesium (mg/L)	APHA 3125 ICPMS ^{1004 182}	17.7	7.14	3.27	7.01	8.31	0.46	5.22	5.42	1.75
Sodium Absorption Ratio (SAR)	** By calculation	6.1	9.3	18.6	10.0	3.4	27.4	2.0	11.5	23.3
Chloride (mg/L)	APHA 3125 ICPMS ^{1004 182}	211	500	290	312	61	88	16	333	465
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ^{1004 182}	<9	23	64	33	12	18	<9	11	35
Chloride/Sulfate Ratio	** Calculation	..	21.8	4.5	9.5	5.0	4.9	..	31.7	13.4
Iron (mg/L)	Total Available - APHA 3125 ICPMS ^{1004 182}	1.73	0.748	5.67	0.199	0.064	0.118	0.503	0.111	0.237
Lead (mg/L)	Total Available - APHA 3125 ICPMS ^{1004 182}	<0.001	0.004	0.003	0.006	0.001	0.026	0.003	0.002	0.003
Iron (mg/L)	Dissolved - APHA 3125 ICPMS ^{1004 182}	0.397	<0.005	<0.005	0.016	<0.005	<0.005	0.020	0.016	0.005
Lead (mg/L)	Dissolved - APHA 3125 ICPMS ^{1004 182}	<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 SE232832	<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 SE232832	<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 SE232832	<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 SE232832	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene (µg/L or ppb)	Subcontracted: SGS report SE232832	<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 SE232832	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
Benzene (F0) (µg/L or ppb)	Subcontracted: SGS report SE232832	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C6-C9 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<40	<40	<40	<40	<40	<40	<40	<40	<40
C6-C10 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<50	<50	<50	<50	<50	<50	<50	<50	<50
C6-C10 minus BTEX (F1) Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C14 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<50	<50	<50	<50	<50	<50	<50	<50	<50
C15-C28 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<100	<100	<100	<100	<100	<100	<100	<100	<100
C29-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<50	<50	<50	<50	<50	<50	<50	<50	<50
C10-C16 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<60	<60	<60	<60	<60	<60	<60	<60	<60
C10-C16 less Naphthalene (F2) Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<60	<60	<60	<60	<60	<60	<60	<60	<60
C16-C34 (F3) Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<200	<200	<200	<200	<200	<200	<200	<200	<200
C34-C40 (F4) Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<100	<100	<100	<100	<100	<100	<100	<100	<100
Sum C10-C36 Fraction (µg/L or ppb)	Subcontracted: SGS report SE232832	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

- 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
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 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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- Results relate only to the samples tested.
- This report was issued on 20/06/2022.



RESULTS OF WATER ANALYSIS

9 samples supplied by Ecolteam on 2/09/2022. Lab Job No. N2321.

Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ-Groundwater-Sept22

13 Erving 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.		N2321/1	N2321/2	N2321/3	N2321/4	N2321/5	N2321/6	N2321/7	N2321/8	N2321/9
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	229	196	126	82	106	336	117	221	111
Water Hardness (mg/L CaCO ₃ equivalent)	** Using Ca and Mg calculation	198	163	30	66	57	11	67	97	41
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	<2	<2	<2	<2	<2	<2	3	<2	<2
Sodium (mg/L)	APHA 3125 ICPMS ¹⁰⁰⁴ 142	221	330	261	158	44.4	210	40.2	250	354
Potassium (mg/L)	APHA 3125 ICPMS ¹⁰⁰⁴ 142	5.70	10.2	2.56	6.68	3.32	2.56	3.03	5.32	4.19
Calcium (mg/L)	APHA 3125 ICPMS ¹⁰⁰⁴ 142	38.9	60.9	9.42	25.4	15.0	3.73	17.1	29.7	13.7
Magnesium (mg/L)	APHA 3125 ICPMS ¹⁰⁰⁴ 142	24.4	2.60	1.65	0.54	4.87	0.49	5.90	5.43	1.73
Sodium Absorption Ratio (SAR)	** By calculation	6.8	11.3	20.6	8.5	2.5	27.1	2.1	11.0	23.9
Chloride (mg/L)	APHA 3125 ICPMS ¹⁰⁰⁴ 142	253	494	270	185	31	85	12	301	445
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ¹⁰⁰⁴ 142	9	27	62	25	<9	19	<9	<9	39
Chloride/Sulfate Ratio	** Calculation	27.2	18.6	4.3	7.4	..	4.5	11.5
Iron (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰⁰⁴ 142	2.75	0.210	1.99	0.072	0.084	0.096	0.083	0.061	0.108
Lead (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰⁰⁴ 142	<0.001	0.001	0.002	0.002	0.007	0.012	0.001	0.001	0.003
Iron (mg/L)	Dissolved - APHA 3125 ICPMS ¹⁰⁰⁴ 142	0.245	<0.005	<0.005	0.006	<0.005	0.007	0.005	0.015	<0.005
Lead (mg/L)	Dissolved - APHA 3125 ICPMS ¹⁰⁰⁴ 142	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
BTEX										
Benzene (µg/L)	Subcontracted: SGS report SE 236315	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L)	Subcontracted: SGS report SE 236315	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L)	Subcontracted: SGS report SE 236315	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m,p-xylene (µg/L)	Subcontracted: SGS report SE 236315	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-xylene (µg/L)	Subcontracted: SGS report SE 236315	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes (µg/L)	Subcontracted: SGS report SE 236315	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Total BTEX (µg/L)	Subcontracted: SGS report SE 236315	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene (VOC) (µg/L)	Subcontracted: SGS report SE 236315	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
TRH C6-C9 (µg/L)	Subcontracted: SGS report SE 236315	<40	47	<40	<40	<40	86	<40	<40	<40
Benzene (F0) (µg/L)	Subcontracted: SGS report SE 236315	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRH C6-C10 (µg/L)	Subcontracted: SGS report SE 236315	<50	<50	<50	<50	<50	88	<50	<50	<50
TRH C6-C10 minus BTEX (F1) (µg/L)	Subcontracted: SGS report SE 236315	<50	<50	<50	<50	<50	88	<50	<50	<50
LLTRH C10-C14 (µg/L)	Subcontracted: SGS report SE 236315	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH C15-C28 (µg/L)	Subcontracted: SGS report SE 236315	<100	<100	<100	<100	<100	<100	<100	<100	<100
LLTRH C29-C36 (µg/L)	Subcontracted: SGS report SE 236315	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH Sum C10-C36 (µg/L)	Subcontracted: SGS report SE 236315	<100	<100	<100	<100	<100	<100	<100	<100	<100
LLTRH >C10-C16 (µg/L)	Subcontracted: SGS report SE 236315	<60	<60	<60	<60	<60	<60	<60	<60	<60
LLTRH >C16-C34 (F3) (µg/L)	Subcontracted: SGS report SE 236315	<200	<200	<200	<200	<200	<200	<200	<200	<200
LLTRH >C34-C40 (F4) (µg/L)	Subcontracted: SGS report SE 236315	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

- 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
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L. (micrograms per litre) = 1000 ppb (part per billion).
- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
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- Results relate only to the samples tested.
- This report was issued on 15/09/2022.



RESULTS OF WATER ANALYSIS

9 samples supplied by Ecoteam on 2/12/2022. Lab Job No. N5279.
 Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrooke WQ-Groundwater-Dec 22
 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.	N5279/1	N5279/2	N5279/3	N5279/4	N5279/5	N5279/6	N5279/7	N5279/8	N5279/9
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	197	90	123	165	112	325	117	196	109
Water Hardness (mg/L CaCO ₃ equivalent)	** Using Ca and Mg calculation	149	165	31	101	64	10	65	93	42
Total Oils and Grease (mg/L)	APHA 5520-D (hexane extractable)	4	<2	<2	<2	3	2	2	<2	<2
Sodium (mg/L)	APHA 3125 ICPMS ^{7009 1&2}	167	334	271	228	51.4	209	35.0	241	335
Potassium (mg/L)	APHA 3125 ICPMS ^{7009 1&2}	3.25	5.40	1.89	5.84	2.92	1.66	2.35	4.24	3.36
Calcium (mg/L)	APHA 3125 ICPMS ^{7009 1&2}	28.0	52.8	9.31	29.4	15.5	3.26	15.6	27.8	13.6
Magnesium (mg/L)	APHA 3125 ICPMS ^{7009 1&2}	19.2	7.92	1.84	6.73	6.10	0.52	6.40	5.60	1.87
Sodium Absorption Ratio (SAR)	** By calculation	5.9	11.3	21.2	9.8	2.8	28.3	1.9	10.9	22.6
Chloride (mg/L)	APHA 3125 ICPMS ^{7009 1&2}	240	577	332	323	53	110	17	310	493
Iron (mg/L)	Total Available - APHA 3125 ICPMS ^{7009 1&2}	1.56	1.02	2.14	0.270	0.057	0.060	0.618	0.053	0.231
Lead (mg/L)	Total Available - APHA 3125 ICPMS ^{7009 1&2}	<0.001	0.001	<0.001	<0.001	0.001	0.004	0.002	<0.001	0.002
Iron (mg/L)	Dissolved - APHA 3125 ICPMS ^{7009 1&2}	0.408	<0.005	<0.005	<0.005	<0.005	<0.005	0.334	0.018	0.006
Lead (mg/L)	Dissolved - APHA 3125 ICPMS ^{7009 1&2}	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
BTEX										
Benzene (µg/L)	Subcontracted: SGS report SE 240229	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L)	Subcontracted: SGS report SE 240229	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L)	Subcontracted: SGS report SE 240229	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-xylene (µg/L)	Subcontracted: SGS report SE 240229	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-xylene (µg/L)	Subcontracted: SGS report SE 240229	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes (µg/L)	Subcontracted: SGS report SE 240229	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Total BTEX (µg/L)	Subcontracted: SGS report SE 240229	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene (VOC) (µg/L)	Subcontracted: SGS report SE 240229	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)										
TRH C6-C9 (µg/L)	Subcontracted: SGS report SE 240229	<40	<40	<40	<40	<40	<40	<40	<40	<40
Benzene (F0) (µg/L)	Subcontracted: SGS report SE 240229	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TRH C6-C10 (µg/L)	Subcontracted: SGS report SE 240229	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH C6-C10 minus BTEX (F1) (µg/L)	Subcontracted: SGS report SE 240229	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH C10-C14 (µg/L)	Subcontracted: SGS report SE 240229	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH C15-C28 (µg/L)	Subcontracted: SGS report SE 240229	<100	<100	<100	<100	<100	<100	120	<100	<100
LLTRH C29-C36 (µg/L)	Subcontracted: SGS report SE 240229	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH >C10-C16 (µg/L)	Subcontracted: SGS report SE 240229	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH >C16-C34 (F3) (µg/L)	Subcontracted: SGS report SE 240229	<100	<100	<100	<100	<100	<100	110	<100	<100
LLTRH >C34-C40 (F4) (µg/L)	Subcontracted: SGS report SE 240229	<100	<100	<100	<100	<100	<100	<100	<100	<100
TRH Sum C10-C36 (µg/L)	Subcontracted: SGS report SE 240229	<100	<100	<100	<100	<100	<100	120	<100	<100

Notes:

- 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
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
- Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- Analysis conducted between sample arrival date and reporting date.
- ** NATA accreditation does not cover the performance of this service.
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- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (refer scu.edu.au/eal or on request).
- Results relate only to the samples tested.
- This report was updated on 03/01/2023 and replaces the draft report issued on 23/12/2022. Hydrocarbon results are now included.

