

RESULTS OF WATER ANALYSIS

5 samples supplied by Lismore City Council on 28/08/2023. Lab Job No. P4651.

Samples submitted by CS Compliance. Your Job: PO 101426 - TP 23/102 - Lismore Waste Facility FY 23/24.

PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
		MCS01 28/08/23	MCS02 28/08/23	MCS03 28/08/23	MCS04 28/08/23	MCS05 28/08/23
	Job No.	P4651/1	P4651/2	P4651/3	P4651/4	P4651/5
pH	APHA 4500-H ⁺ -B (onsite)	7.04	7.69	7.77	7.57	7.46
Conductivity (EC) (dS/m)	APHA 2510-B (onsite)	0.376	0.581	0.650	0.663	0.604
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	256	395	442	451	411
Temperature (-C)	Onsite	17	22	20	20	18
Redox Potential (mV)	Onsite	93	89	83	85	84
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	22	20	72	52	36
Turbidity (ntu)	APHA 2130	20	32	83	54	28
Dissolved Oxygen (mg/L O ₂)	** APHA 4500-O-G (Onsite)	6.9	6.3	6.0	5.7	5.2
Biochemical Oxygen Demand ₅ (mg/L O ₂)	APHA 5210-B	1.9	4.5	7.3	5.0	1.8
Total Phosphorus (mg/L P)	In house method W4	0.08	0.87	1.16	0.97	0.44
Total Nitrogen (mg/L N)	In house method W4	0.38	5.10	6.49	6.46	4.73
Nitrate (mg/L N)	APHA 4500 NO ₃ ⁻ -F	<0.005	2.20	1.63	2.08	3.10
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.036	1.32	1.78	2.05	0.631
Faecal Coliforms (cfu/100 ml)	** APHA 9222-D	1,120	<10	3,900	180	<10
Dissolved Organic Carbon (mg/L C)	In house	5.79	8.05	12.6	10.5	7.83
BTEX						
Benzene µg/L	Subcontracted: SGS report SE 253142	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene µg/L	Subcontracted: SGS report SE 253142	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene µg/L	Subcontracted: SGS report SE 253142	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-xylene µg/L	Subcontracted: SGS report SE 253142	<1	<1	<1	<1	<1
o-xylene µg/L	Subcontracted: SGS report SE 253142	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes µg/L	Subcontracted: SGS report SE 253142	<1.5	<1.5	<1.5	<1.5	<1.5
Total BTEX µg/L	Subcontracted: SGS report SE 253142	<3	<3	<3	<3	<3
Naphthalene (VOC) µg/L	Subcontracted: SGS report SE 253142	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)						
LLTRH C10-C14 µg/L	Subcontracted: SGS report SE 253142	<50	<50	<50	<50	<50
LLTRH C15-C28 µg/L	Subcontracted: SGS report SE 253142	<100	<100	130	110	<100
LLTRH C29-C36 µg/L	Subcontracted: SGS report SE 253142	<50	<50	110	<50	<50
LLTRH >C10-C16 µg/L	Subcontracted: SGS report SE 253142	<50	<50	<50	<50	<50
LLTRH >C16-C34 (F3) µg/L	Subcontracted: SGS report SE 253142	<100	<100	210	130	110
LLTRH >C34-C40 (F4) µg/L	Subcontracted: SGS report SE 253142	<100	<100	<100	<100	<100
TRH Sum C10-C36 µg/L	Subcontracted: SGS report SE 253142	<100	<100	240	110	<100
LLTRH C37-C40 µg/L	Subcontracted: SGS report SE 253142	<100	<100	<100	<100	<100
TRH C6-C9 µg/L	Subcontracted: SGS report SE 253142	<40	<40	<40	<40	<40
Benzene (F0) µg/L	Subcontracted: SGS report SE 253142	<0.5	<0.5	<0.5	<0.5	<0.5
TRH C6-C10 µg/L	Subcontracted: SGS report SE 253142	<50	<50	<50	<50	<50
TRH C6-C10 minus BTEX (F1) µg/L	Subcontracted: SGS report SE 253142	<50	<50	<50	<50	<50

Notes:

- Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to <2pH;
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 (2012) 'Standard Methods for the Examination of Water & Wastewater', 22nd 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 13/09/2023.



RESULTS OF LEACHATE ANALYSIS

2 samples supplied by Lismore City Council on 28/08/2023. Lab Job No. P4652.

Samples submitted by CS Compliance. Your Job: PO 101426 - TP 23/102 - Lismore Waste Facility FY 23/24.

PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2
		LD 28/08/23	TWP 28/08/23
	Job No.	P4652/1	P4652/2
pH	APHA 4500-H ⁺ -B	8.38	8.13
Conductivity (EC) (dS/m)	APHA 2510-B	2,610	3,001
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	1,775	2,041
Total Alkalinity (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	1,121	938
Chemical Oxygen Demand (mg/L O ₂)	** APHA 5220-D	670	630
Total Phosphorus (mg/L P)	In house method W4	2.78	2.82
Total Nitrogen (mg/L N)	In house method W4	132	103
Nitrate (mg/L N)	APHA 4500 NO ₃ ⁻ -F	<0.05	0.107
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	69.3	67.9
Sodium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	279	271
Potassium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	113	111
Calcium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	86.8	74.8
Magnesium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	52.2	50.7
Sodium Absorption Ratio (SAR)	** By calculation	5.8	5.9
Chloride (mg/L)	APHA 3125 ICPMS ^{note 1&2}	305	298
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ^{note 1&2}	34	38
Chloride/Sulfate Ratio	** Calculation	9.0	7.8
Fluoride (mg/L)	Subcontracted: SGS report SE 253143	0.4	0.3
Faecal Coliforms (cfu/100 ml)	APHA 9222-D	52,000	70,000
Dissolved Organic Carbon (mg/L)	APHA 5310-B	117	107
Arsenic (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	0.006	0.005

Notes:

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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.
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- This report was issued on 13/09/2023.



RESULTS OF WATER ANALYSIS

5 samples supplied by Lismore City Council on 29/05/2023. Lab Job No. P1286.
 Samples submitted by Commercial Services Compliance. Your Job: Q22/83 PO 92477 Surface Water Yearly.
 PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
		MCS01	MCS02	MCS03	MCS04	MCS05
Job No.		P1286/1	P1286/2	P1286/3	P1286/4	P1286/5
pH	Onsite	7.12	9.10	8.87	8.63	8.29
Conductivity (EC) (dS/m)	Onsite	0.302	0.451	0.477	0.479	0.456
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	205	307	324	326	310
Redox Potential (mV)	Onsite	148	87	76	64	139
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	15	46	50	45	70
Turbidity (NTU)	APHA 2130	22.7	53.4	63.0	54.9	83.4
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	49	86	92	87	87
Dissolved Oxygen (% O ₂)	Onsite	58.6	65.2	64.8	63.9	57.5
Biochemical Oxygen Demand ₅ (mg/L O ₂)	APHA 5210-B	<1	12.9	9.6	12.8	13.3
Total Phosphorus (mg/L P)	In house method W4	0.08	0.81	0.76	0.78	0.74
Total Nitrogen (mg/L N)	In house method W4	0.25	5.57	5.84	5.50	5.13
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	0.033	2.91	2.69	2.78	2.84
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.018	<0.05	<0.05	<0.05	<0.05
Temperature (°C)	Onsite	12.2	15.7	15.0	14.2	14.3
Sodium (mg/L)	APHA 3125 ICPMS ¹⁰⁰ 182	31.6	56.4	59.1	56.6	55.3
Potassium (mg/L)	APHA 3125 ICPMS ¹⁰⁰ 182	1.13	11.1	11.3	10.4	9.64
Calcium (mg/L)	APHA 3125 ICPMS ¹⁰⁰ 182	11.4	21.5	22.4	21.6	20.3
Magnesium (mg/L)	APHA 3125 ICPMS ¹⁰⁰ 182	8.32	6.20	6.94	6.42	6.15
Sodium Absorption Ratio (SAR)	** By calculation	1.7	2.8	2.8	2.7	2.8
Chloride (mg/L)	APHA 3125 ICPMS ¹⁰⁰ 182	52	64	68	62	62
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ¹⁰⁰ 182	9	24	23	22	22
Chloride/Sulfate Ratio	** Calculation	5.5	2.7	3.0	2.8	2.8
Fluoride (mg/L)	**subcontracted: SGS report SE 249124	<0.1	0.2	0.2	0.2	0.2
Faecal Coliforms (cfu/100 ml)	** APHA 9222-D	1,680	1,880	1,400	860	580
Dissolved Organic Carbon (mg/L)	APHA 5310-B	10.0	9.8	10.4	10.4	10.2
Iron (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰⁰ 182	0.974	0.581	0.568	0.539	0.771
Manganese (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰⁰ 182	0.044	0.067	0.073	0.068	0.108
BTEX						
Benzene (µg/L)	Subcontracted: SGS report SE 248364	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L)	Subcontracted: SGS report SE 248364	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L)	Subcontracted: SGS report SE 248364	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-xylene (µg/L)	Subcontracted: SGS report SE 248364	<1	<1	<1	<1	<1
o-xylene (µg/L)	Subcontracted: SGS report SE 248364	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes (µg/L)	Subcontracted: SGS report SE 248364	<1.5	<1.5	<1.5	<1.5	<1.5
Total BTEX (µg/L)	Subcontracted: SGS report SE 248364	<3	<3	<3	<3	<3
Naphthalene (VOC) (µg/L)	Subcontracted: SGS report SE 248364	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)						
TRH C6-C9 (µg/L)	Subcontracted: SGS report SE 248364	<40	<40	<40	<40	<40
Benzene (F0) (µg/L)	Subcontracted: SGS report SE 248364	<0.5	<0.5	<0.5	<0.5	<0.5
TRH C6-C10 (µg/L)	Subcontracted: SGS report SE 248364	<50	<50	<50	<50	<50
TRH C6-C10 minus BTEX (F1) (µg/L)	Subcontracted: SGS report SE 248364	<50	<50	<50	<50	<50
LLTRH C10-C14 (µg/L)	Subcontracted: SGS report SE 248364	<50	<50	<50	<50	<50
LLTRH C15-C28 (µg/L)	Subcontracted: SGS report SE 248364	<100	110	110	110	160
LLTRH C29-C36 (µg/L)	Subcontracted: SGS report SE 248364	<50	80	62	72	120
LLTRH >C10-C16 (µg/L)	Subcontracted: SGS report SE 248364	<50	<50	<50	<50	<50
LLTRH >C16-C34 (F3) (µg/L)	Subcontracted: SGS report SE 248364	<100	170	170	170	240
LLTRH >C34-C40 (F4) (µg/L)	Subcontracted: SGS report SE 248364	<100	<100	<100	<100	<100
TRH Sum C10-C36 (µg/L)	Subcontracted: SGS report SE 248364	<100	200	190	200	310
LLTRH C37-C40 (µg/L)	Subcontracted: SGS report SE 248364	<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.
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11. Results relate only to the samples tested.
12. This report was issued on 6/07/2023.



RESULTS OF WATER ANALYSIS

2 samples supplied by Lismore City Council on 29/05/2023. Lab Job No. P1288.

Samples submitted by CS Compliance. Your Job: Q22/83 PO 92477 Leachate

PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1		Sample 2	
		LD	TWP	LD	TWP
	Job No.	P1288/1	P1288/2		
pH	APHA 4500-H ⁺ -B	8.70	8.59		
Conductivity (EC) (dS/m)	APHA 2510-B	0.883	1.02		
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	600	694		
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	338	299		
Carbonate (mg/L CaCO ₃ equivalent)	** Residual Alkalinity - APHA 2320	<1	43		
Chemical Oxygen Demand (mg/L O ₂)	** APHA 5220-D	240	250		
Total Phosphorus (mg/L P)	In house method W4	0.63	0.97		
Total Nitrogen (mg/L N)	In house method W4	15.3	15.8		
Nitrate (mg/L N)	APHA 4500 NO ₃ ⁻ -F	0.150	0.164		
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	2.42	2.70		
Sodium (mg/L)	APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	131	146		
Potassium (mg/L)	APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	53.9	65.6		
Calcium (mg/L)	APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	31.5	41.2		
Magnesium (mg/L)	APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	19.4	22.0		
Sodium Absorption Ratio (SAR)	** By calculation	4.5	4.6		
Chloride (mg/L)	APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	146	156		
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	23	40		
Chloride/Sulfate Ratio	** Calculation	6.4	3.9		
Fluoride (mg/L)	** APHA 4500-F-D	0.3	0.3		
Faecal Coliforms (cfu/100 ml)	** APHA 9222-D	39,000	39,000		
Dissolved Organic Carbon (mg/L)	APHA 5310-B	40.2	43.1		
Arsenic (mg/L)	Total Available - APHA 3125 ICPMS ¹⁰³⁰⁻¹⁸²	0.002	0.003		
Pesticide analysis screen ^{*see notes}					
Hexachlorobenzene (HCB) (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Alpha BHC (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Lindane (gamma BHC) (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Heptachlor (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Aldrin (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Beta BHC (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Delta BHC (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Heptachlor epoxide (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
o,p'-DDE (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Alpha Endosulfan (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Gamma Chlordane (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Alpha Chlordane (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
trans-Nonachlor (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
p,p'-DDE (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Dieldrin (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Endrin (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
o,p'-DDD (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
o,p'-DDT (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Beta Endosulfan (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
p,p'-DDD (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
p,p'-DDT (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Endosulfan sulphate (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Endrin aldehyde (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Methoxychlor (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Endrin ketone (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Isodrin (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Mirex (µg/L)	Subcontracted: SGS report SE 248363	<0.1	<0.1		
Total OC (µg/L)	Subcontracted: SGS report SE 248363	<1	<1		
Total OC (µg/L)	Subcontracted: SGS report SE 248363	<1	<1		
Dichlorvos (µg/L)	Subcontracted: SGS report SE 248363	<0.5	<0.5		
Dimethoate (µg/L)	Subcontracted: SGS report SE 248363	<0.5	<0.5		
Diazinon (Dimpylate) (µg/L)	Subcontracted: SGS report SE 248363	<0.5	<0.5		
Fenitrothion (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		
Malathion (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		
Chlorpyrifos (Chlorpyrifos Ethyl) (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		
Parathion-ethyl (Parathion) (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		
Bromophos Ethyl (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		
Methidathion (µg/L)	Subcontracted: SGS report SE 248363	<0.5	<0.5		
Ethion (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		
Azinphos-methyl (µg/L)	Subcontracted: SGS report SE 248363	<0.2	<0.2		

Notes:

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- This report was issued on 30/06/2023.



o,p'-DDD (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
o,p'-DDT (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beta Endosulfan (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDD (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
p,p'-DDT (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endosulfan sulphate (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin aldehyde (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methoxychlor (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Endrin ketone (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isodrin (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mirex (µg/L)	Subcontracted: SGS report SE 247952	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total OC (µg/L)	Subcontracted: SGS report SE 247952	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Total OC (µg/L)	Subcontracted: SGS report SE 247952	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dichlorvos (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dimethoate (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Diazinon (Dimpylate) (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fenitrothion (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl) (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Parathion-ethyl (Parathion) (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Bromophos Ethyl (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Methidathion (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethion (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Azinphos-methyl (µg/L)	Subcontracted: SGS report SE 247952	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BTEX																			
Benzene (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 247952	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	0.6	<0.5	<0.5	<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 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 247952	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-xylene (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 247952	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<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 247952	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene (VOC) (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 247952	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
Benzene (F9) (µg/L)	Subcontracted: SGS report SE 247952	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 247952	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH C6-C10 minus BTEX (F1) (µg/L)	Subcontracted: SGS report SE 247952	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH C10-C14 (µg/L)	Subcontracted: SGS report SE 247952	<50	<50	<50	<50	<50	59	<50	<50	<50	<50	<50	<50	<50	61	<50	51	<50	<50
LLTRH C15-C28 (µg/L)	Subcontracted: SGS report SE 247952	<100	810	<100	280	180	290	490	110	200	<100	<100	<100	<100	670	<100	140	180	<100
LLTRH C29-C36 (µg/L)	Subcontracted: SGS report SE 247952	<50	280	<50	170	67	130	470	68	82	50	<50	<50	<50	610	<50	<50	<50	<50
LLTRH >C10-C16 (µg/L)	Subcontracted: SGS report SE 247952	<50	95	<50	<50	<50	<50	64	<50	<50	<50	<50	<50	<50	72	<50	53	<50	<50
LLTRH >C16-C34 (F3) (µg/L)	Subcontracted: SGS report SE 247952	<100	970	<100	400	240	390	800	160	280	100	<100	<100	<100	1100	<100	160	200	<100
LLTRH >C34-C40 (F4) (µg/L)	Subcontracted: SGS report SE 247952	<100	<100	<100	<100	<100	<100	240	<100	<100	<100	<100	<100	<100	300	<100	<100	<100	<100
TRH Sum C10-C36 (µg/L)	Subcontracted: SGS report SE 247952	<100	1100	<100	450	270	420	1000	180	300	120	<100	<100	<100	1300	<100	220	250	<100
LLTRH C37-C40 (µg/L)	Subcontracted: SGS report SE 247952	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	110	<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.
- ** NATA accreditation does not cover the performance of this service.
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- This report is not to be reproduced except in full.
- 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 26/06/2023 and replaces the draft report issued on 1/06/2023. Fluoride results are now included.



RESULTS OF LEACHATE ANALYSIS

2 samples supplied by Lismore City Council on 15/02/2023. Lab Job No. N7492.

Samples submitted by CS Compliance. Your Job: PO 92477 Q22/83 Leachate

PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2
		LD	TWP
	<i>Job No.</i>	<i>N7492/1</i>	<i>N7492/2</i>
pH	APHA 4500-H ⁺ -B	9.91	8.17
Conductivity (EC) (dS/m)	APHA 2510-B	1.13	1.69
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	768	1,146
Bicarbonate (Alkalinity) (mg/L CaCO ₃ equivalent)	** Total Alkalinity - APHA 2320	305	421
Chemical Oxygen Demand (mg/L O ₂)	** APHA 5220-D	500	200
Total Phosphorus (mg/L P)	In house method W4	2.19	1.41
Total Nitrogen (mg/L N)	In house method W4	23.8	16.3
Nitrate (mg/L N)	APHA 4500 NO ₃ ⁻ -F	<0.005	0.828
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.505	8.00
Sodium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	189	205
Potassium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	101	121
Calcium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	15.4	92.7
Magnesium (mg/L)	APHA 3125 ICPMS ^{note 1&2}	16.4	34.6
Sodium Absorption Ratio (SAR)	** By calculation	8.0	4.6
Chloride (mg/L)	APHA 3125 ICPMS ^{note 1&2}	213	251
Sulfate (mg/L SO ₄ ²⁻)	APHA 3125 ICPMS ^{note 1&2}	28	221
Chloride/Sulfate Ratio	** Calculation	7.5	1.1
Fluoride (mg/L)	** APHA 4500-F-D	0.6	0.7
Faecal Coliforms (cfu/100 ml)	** APHA 9222-D	2,300	460,000
Dissolved Organic Carbon (mg/L)	APHA 5310-B	68.9	71.7
Arsenic (mg/L)	Total Available - APHA 3125 ICPMS ^{note 1&2}	0.006	0.009

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 03/03/2023.



RESULTS OF WATER ANALYSIS

5 samples supplied by Lismore City Council on 15/02/2023. Lab Job No. N7491.
 Samples submitted by CS Compliance. Your Job: PO 92477 Q22/83 Surface Water.
 PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
		MCS01	MCS02	MCS03	MCS04	MCS05
	Job No.	N7491/1	N7491/2	N7491/3	N7491/4	N7491/5
pH	APHA 4500-H ⁺ -B	6.81	7.46	7.51	7.46	7.23
Conductivity (EC) (dS/m)	APHA 2510-B	0.169	0.279	0.279	0.268	0.243
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	115	190	190	182	165
Temperature (-C)	Onsite	24	25	25	24	24
Redox Potential (mV)	Onsite	242	220	224	214	176
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	24	35	39	92	48
Turbidity (ntu)	APHA 2130	31	44	47	52	52
Dissolved Oxygen (mg/L O ₂)	** APHA 4500-O-G (Onsite method preferable)	4.9	6.1	5.9	5.9	4.4
Biochemical Oxygen Demand ₅ (mg/L O ₂)	APHA 5210-B	1.4	6.3	7.1	6.1	8.7
Total Phosphorus (mg/L P)	In house method W4	0.14	0.60	0.59	0.58	0.53
Total Nitrogen (mg/L N)	In house method W4	0.37	2.55	2.39	2.57	2.51
Total Kjeldahl Nitrogen (mg/L N)	** Calculation: TN - NO _x	0.34	1.92	1.78	1.90	1.83
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	0.032	0.574	0.553	0.608	0.620
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.033	0.224	0.132	0.146	0.215
Faecal Coliforms (cfu/100 ml)	** APHA 9222-D	3,900	3,900	1,900	2,800	23,400
Dissolved Organic Carbon (mg/L C)	APHA 5310-B	10.6	10.9	7.32	6.77	7.38
BTEX						
Benzene (µg/L)	Subcontracted: SGS report SE 243292	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene (µg/L)	Subcontracted: SGS report SE 243292	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene (µg/L)	Subcontracted: SGS report SE 243292	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-xylene (µg/L)	Subcontracted: SGS report SE 243292	<1	<1	<1	<1	<1
o-xylene (µg/L)	Subcontracted: SGS report SE 243292	<0.5	<0.5	<0.5	<0.5	<0.5
Total Xylenes (µg/L)	Subcontracted: SGS report SE 243292	<1.5	<1.5	<1.5	<1.5	<1.5
Total BTEX (µg/L)	Subcontracted: SGS report SE 243292	<3	<3	<3	<3	<3
Naphthalene (VOC) (µg/L)	Subcontracted: SGS report SE 243292	<0.5	<0.5	<0.5	<0.5	<0.5
Total Recoverable Hydrocarbons (TRH)						
TRH C6-C9 (µg/L)	Subcontracted: SGS report SE 243292	<40	<40	<40	<40	<40
Benzene (F0) (µg/L)	Subcontracted: SGS report SE 243292	<0.5	<0.5	<0.5	<0.5	<0.5
TRH C6-C10 (µg/L)	Subcontracted: SGS report SE 243292	<50	<50	<50	<50	<50
TRH C6-C10 minus BTEX (F1) (µg/L)	Subcontracted: SGS report SE 243292	<50	<50	<50	<50	<50
LLTRH C10-C14 (µg/L)	Subcontracted: SGS report SE 243292	<50	<50	<50	<50	<50
LLTRH C15-C28 (µg/L)	Subcontracted: SGS report SE 243292	<100	<100	<100	<100	<100
LLTRH C29-C36 (µg/L)	Subcontracted: SGS report SE 243292	<50	<50	<50	<50	<50
LLTRH >C10-C16 (µg/L)	Subcontracted: SGS report SE 243292	<50	<50	<50	<50	<50
LLTRH >C16-C34 (F3) (µg/L)	Subcontracted: SGS report SE 243292	<100	<100	<100	<100	<100
LLTRH >C34-C40 (F4) (µg/L)	Subcontracted: SGS report SE 243292	<100	<100	<100	<100	<100
TRH Sum C10-C36 (µg/L)	Subcontracted: SGS report SE 243292	<100	<100	<100	<100	<100
LLTRH C37-C40 (µg/L)	Subcontracted: SGS report SE 243292	<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 <2pH;
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 (2012) 'Standard Methods for the Examination of Water & Wastewater', 22nd 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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- Results relate only to the samples tested.
- This report was issued on 6/03/2023.



RESULTS OF WATER ANALYSIS

16 samples collected by EAL for Lismore City Council on 15/11/2023. Lab Job No. P7601.
 Samples requested by Commercial Services Compliance. Your Job: PO 101426 - TP 23/102 - Lismore Waste Facility FY 23
 PO Box 23A LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10	Sample 11	Sample 12	Sample 13	Sample 14	Sample 15	Sample 16	
		MW01	MW02	MW09	MW11	MW12	MW13	MW15	MW16	MW17	MW18	MW19	MW20	MW21	MW22	MW23	MW25	
	Job No.	P7601/1	P7601/2	P7601/3	P7601/4	P7601/5	P7601/6	P7601/7	P7601/8	P7601/9	P7601/10	P7601/11	P7601/12	P7601/13	P7601/14	P7601/15	P7601/16	
Standing Water Level (m)	**Field measurement	6.18	0.00	1.68	1.80	0.9	1.78	3.67	3.13	11.07	3.81	3.35	1.53	1.20	3.32	4.02	4.41	
pH	**Field measurement	6.29	6.64	7.03	6.72	11.1	7.04	6.63	8.90	7.21	7.22	7.10	6.44	6.46	6.60	7.16	6.76	
Conductivity (EC) (dS/m)	**Field measurement	0.335	3.39	0.341	7.60	4.62	4.32	7.80	0.885	1.46	2.00	3.70	3.46	3.31	10.1	3.19	2.57	
Total Dissolved Salts (mg/L)	** Calculation using EC x 680	228	2,305	232	5,170	3,139	2,938	5,307	602	991	1,357	2,515	2,349	2,248	6,895	2,168	1,747	
Redox Potential (mV)	**Field measurement	69.4	87.3	30.1	86.1	232	88.6	43.2	28.7	118	32.8	120	32.8	15.6	66.5	24.0	84.2	
Dissolved Oxygen (mg/L O ₂)	**Field measurement	5.23	4.28	5.64	3.33	3.58	4.27	4.73	5.04	4.12	4.64	4.21	4.58	5.38	6.05	4.89	4.51	
Biochemical Oxygen Demand, (mg/L O ₂)	APHA 5210-B	4	<1	1	4	3	4	3	3	12	6	12	18	10	9	8	<1	
Total Phosphorus (mg/L P)	In house method W4	0.439	0.122	0.400	1.01	0.022	1.55	0.170	0.250	0.576	0.544	1.11	2.94	1.60	0.866	1.60	1.39	
Total Nitrogen (mg/L N)	In house method W4	2.27	0.946	0.637	4.71	24.8	3.64	3.80	0.569	2.09	0.336	5.09	5.58	6.59	3.47	3.92	4.57	
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	1.32	0.027	0.089	0.007	<0.005	<0.005	<0.005	0.439	0.037	0.168	0.029	0.027	<0.005	0.008	0.906	0.010	
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.326	0.016	0.086	4.70	24.6	3.63	3.89	0.050	0.350	0.015	5.06	5.54	6.59	3.05	2.91	4.56	
Temperature (°C)	**Field measurement	22.2	24.0	23.1	21.2	20.7	20.0	20.2	23.1	24.5	22.3	22.0	20.7	20.5	22.3	22.7	22.0	
Dissolved Organic Carbon (mg/L)	APHA 5310-B	6.46	17.6	8.27	14.3	12.6	16.1	22.4	8.29	19.7	6.26	10.5	7.33	6.77	31.7	11.1	6.04	
BTEX																		
Benzene (µg/L)	Subcontracted: SGS report SE 256863	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 256863	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 256863	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 256863	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
o-xylene (µg/L)	Subcontracted: SGS report SE 256863	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 256863	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<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 256863	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Naphthalene (VOC) (µg/L)	Subcontracted: SGS report SE 256863	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 256863	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40
Benzene (F0) (µg/L)	Subcontracted: SGS report SE 256863	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<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 256863	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
TRH C6-C10 minus BTEX (F1) (µg/L)	Subcontracted: SGS report SE 256863	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH C10-C14 (µg/L)	Subcontracted: SGS report SE 256863	<50	60.0	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH C15-C28 (µg/L)	Subcontracted: SGS report SE 256863	<100	400	<100	<100	<100	<100	140	<100	<100	<100	<100	<100	<100	250	<100	<100	<100
LLTRH C29-C36 (µg/L)	Subcontracted: SGS report SE 256863	100	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	86.0	<50	<50	<50
LLTRH >C10-C16 (µg/L)	Subcontracted: SGS report SE 256863	<50	160	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
LLTRH >C16-C34 (F3) (µg/L)	Subcontracted: SGS report SE 256863	130	310	<100	<100	<100	<100	160	<100	<100	<100	<100	<100	<100	300	<100	<100	<100
LLTRH >C34-C40 (F4) (µg/L)	Subcontracted: SGS report SE 256863	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
TRH Sum C10-C36 (µg/L)	Subcontracted: SGS report SE 256863	150	460	<100	<100	<100	<100	140	<100	<100	<100	<100	<100	<100	340	<100	<100	<100
LLTRH C37-C40 (µg/L)	Subcontracted: SGS report SE 256863	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100

Notes:

- 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.
- ... Denotes not requested.
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- Results relate only to the samples tested.
- This report was issued on 1/12/2023.

