

COFFS HARBOUR LABORATORY

Environmental Analysis

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BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 22/1061
No. of SAMPLES: 13
DATE COLLECTED: 01-26/05/22
DATE RECEIVED: 26/05/22
TIME RECEIVED: 15:30
DATE TESTING COMMENCED:
26/05/22

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/1061/1	1 - UPSTREAM OF LANDFILL (26/05/22)
22/1061/2	2 - WETLAND (26/05/22)
22/1061/3	3 - SEDIMENT POND (26/05/22)
22/1061/4	4 - LEACHATE (26/05/22)
22/1061/5	S1 (01/05/22)
22/1061/6	S2 (12/05/22)
22/1061/7	S3 (14/05/22)
22/1061/8	S4 (16/05/22)
22/1061/9	S5 (15/05/22)
22/1061/10	S6 (21/05/22)
22/1061/11	S7 (22/05/22)
22/1061/12	S8 (23/05/22)
22/1061/13	S3.1 (13/05/22)

ANALYSIS	UNITS	22/1061/1	22/1061/2	22/1061/3	22/1061/4	METHOD NO
pH	pH unit	7.0	6.6	7.3	6.9	APHA 4500-H+ B
Total Suspended Solids	mg/L	23	15	12	80	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	8	<4	<4	4	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	66	28	118	458	APHA 2320 B
Ammonia Nitrogen	mg/L	0.55	0.02	0.08	19.5	EL13F



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	22/1061/1	22/1061/2	22/1061/3	22/1061/4	METHODNO
Nitrate Nitrogen	mg/L	0.23	<0.02	0.31	0.10	EL15F
Total Kjeldahl Nitrogen	mg/L	1.22	0.56	1.01	22.7	EL16F
Total Nitrogen	mg/L	1.48	0.56	1.34	22.8	EL30F
Calcium	mg/L	19	7.1	39	127	EL9A
Potassium	mg/L	3.9	1.8	8.6	19	EL9A

ANALYSIS	UNITS	22/1061/5	22/1061/6	22/1061/7	22/1061/8	METHODNO
pH	pH unit	7.6	7.5	7.4	7.6	APHA 4500-H+ B
Total Suspended Solids	mg/L	7	18	56	6	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-	-	-	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	-	-	-	-	APHA 2320 B
Ammonia Nitrogen	mg/L	-	-	-	-	EL13F
Nitrate Nitrogen	mg/L	-	-	-	-	EL15F
Total Kjeldahl Nitrogen	mg/L	-	-	-	-	EL16F
Total Nitrogen	mg/L	-	-	-	-	EL30F
Calcium	mg/L	-	-	-	-	EL9A
Potassium	mg/L	-	-	-	-	EL9A

ANALYSIS	UNITS	22/1061/9	22/1061/10	22/1061/11	22/1061/12	METHODNO
pH	pH unit	7.5	7.4	7.4	7.1	APHA 4500-H+ B
Total Suspended Solids	mg/L	23	7	170	82	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-	-	-	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	-	-	-	-	APHA 2320 B
Ammonia Nitrogen	mg/L	-	-	-	-	EL13F
Nitrate Nitrogen	mg/L	-	-	-	-	EL15F
Total Kjeldahl Nitrogen	mg/L	-	-	-	-	EL16F
Total Nitrogen	mg/L	-	-	-	-	EL30F
Calcium	mg/L	-	-	-	-	EL9A
Potassium	mg/L	-	-	-	-	EL9A



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ANALYSIS	UNITS	22/1061/13				METHODNO
pH	pH unit	7.5				APHA 4500-H+ B
Total Suspended Solids	mg/L	21				APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-				APHA 5210 B
Alkalinity	mg CaCO ₃ /L	-				APHA 2320 B
Ammonia Nitrogen	mg/L	-				EL13F
Nitrate Nitrogen	mg/L	-				EL15F
Total Kjeldahl Nitrogen	mg/L	-				EL16F
Total Nitrogen	mg/L	-				EL30F
Calcium	mg/L	-				EL9A
Potassium	mg/L	-				EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are membrane presumptive.

Measurement Uncertainty is available upon request.

Report Date: 6/06/22



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

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COFFS HARBOUR LABORATORY

Environmental Analysis

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BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 22/1371
No. of SAMPLES: 4
DATE COLLECTED: 06-07/07/22
DATE RECEIVED: 07/07/22
TIME RECEIVED: 14:50
DATE TESTING COMMENCED:
07/07/22

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/1371/1	1 - UPSTREAM OF LANDFILL
22/1371/2	2 - WETLAND
22/1371/3	3 - SEDIMENT POND
22/1371/4	S1 (06/07/22)

ANALYSIS	UNITS	22/1371/1	22/1371/2	22/1371/3	22/1371/4	METHOD NO
pH	pH unit	6.6	6.4	7.0	6.8	APHA 4500-H+ B
Total Suspended Solids	mg/L	53	6	36	116	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<4	<4	<4	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	24	12	51	-	APHA 2320 B
Ammonia Nitrogen	mg/L	0.35	0.03	1.66	-	EL13F
Nitrate Nitrogen	mg/L	0.18	0.04	0.24	-	EL15F
Total Kjeldahl Nitrogen	mg/L	1.14	0.43	2.46	-	EL16F
Total Nitrogen	mg/L	1.35	0.47	2.73	-	EL30F
Calcium	mg/L	7.2	3.3	16	-	EL9A
Potassium	mg/L	2.5	1.5	4.2	-	EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are membrane presumptive.

Measurement Uncertainty is available upon request.

Report Date: 22/07/22



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

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COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 1



BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 22/1937
No. of SAMPLES: 4
DATE COLLECTED: 23-26/09/22
DATE RECEIVED: 26/09/22
TIME RECEIVED: 15:30
DATE TESTING COMMENCED:
26/09/22

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/1937/1	1 - UPSTREAM OF LANDFILL
22/1937/2	2 - WETLAND
22/1937/3	3 - SEDIMENT POND
22/1937/4	S1 (23/09/22)

ANALYSIS	UNITS	22/1937/1	22/1937/2	22/1937/3	22/1937/4	METHOD NO
pH	pH unit	6.4	6.9	7.4	7.0	APHA 4500-H+ B
Total Suspended Solids	mg/L	8	26	10	67	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<4	5	<4	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	24	58	50	-	APHA 2320 B
Ammonia Nitrogen	mg/L	0.03	0.32	0.10	-	EL13F
Nitrate Nitrogen	mg/L	<0.02	0.03	0.13	-	EL15F
Total Kjeldahl Nitrogen	mg/L	0.53	1.10	0.77	-	EL16F
Total Nitrogen	mg/L	0.53	1.13	0.92	-	EL30F
Calcium	mg/L	5.5	17	20	-	EL9A
Potassium	mg/L	1.8	3.8	5.7	-	EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.



Report Date: 5/10/22 compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia

COFFS HARBOUR LABORATORY

Environmental Analysis

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BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 22/2204
No. of SAMPLES: 5
DATE COLLECTED: 22-24/10/22
DATE RECEIVED: 27/10/22
TIME RECEIVED: 16:10
DATE TESTING COMMENCED:
27/10/22

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/2204/1	1 - UPSTREAM OF LANDFILL (24/10/22)
22/2204/2	2 - WETLAND (24/10/22)
22/2204/3	3 - SEDIMENT POND (24/10/22)
22/2204/4	4 - S1 (22/10/22)
22/2204/5	5 - S2 (23/10/22)

ANALYSIS	UNITS	22/2204/1	22/2204/2	22/2204/3	22/2204/4	METHOD NO
pH	pH unit	6.4	6.5	7.3	7.6	APHA 4500-H+ B
Total Suspended Solids	mg/L	417	12	73	99	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	6	<4	5	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	11	10	64	-	APHA 2320 B
Ammonia Nitrogen	mg/L	0.03	<0.02	1.42	-	EL13F
Nitrate Nitrogen	mg/L	0.04	<0.02	0.24	-	EL15F
Total Kjeldahl Nitrogen	mg/L	1.39	0.56	2.09	-	EL16F
Total Nitrogen	mg/L	1.43	0.56	2.38	-	EL30F
Calcium	mg/L	4.0	2.3	23	-	EL9A
Potassium	mg/L	1.7	1.3	4.9	-	EL9A



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

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ANALYSIS	UNITS	22/2204/5				METHODNO
pH	pH unit	7.5				APHA 4500-H+ B
Total Suspended Solids	mg/L	45				APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-				APHA 5210 B
Alkalinity	mg CaCO ₃ /L	-				APHA 2320 B
Ammonia Nitrogen	mg/L	-				EL13F
Nitrate Nitrogen	mg/L	-				EL15F
Total Kjeldahl Nitrogen	mg/L	-				EL16F
Total Nitrogen	mg/L	-				EL30F
Calcium	mg/L	-				EL9A
Potassium	mg/L	-				EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

Report Date: 7/11/22



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 3



ENGINUITY DESIGN PTY LTD
RICHARD GREEN
PO BOX 107
BELLINGEN NSW 2454

BATCHNUMBER: 22/2450
No. of SAMPLES: 4
DATE COLLECTED: 25/11/22
DATE RECEIVED: 25/11/22
TIME RECEIVED: 16:00
DATE TESTING COMMENCED:
25/11/22

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/2450/1	Raleigh Tip Leachate
22/2450/2	Raleigh Tip GW1 (U/S NEW)
22/2450/3	Raleigh Tip GW7 (D/S)
22/2450/4	Raleigh Tip GW1 (U/S OLD)

ANALYSIS	UNITS	22/2450/1	22/2450/2	22/2450/3	22/2450/4	METHOD NO
pH	pH unit	6.9	6.0	6.2	6.0	APHA 4500-H+ B
Alkalinity	mg CaCO ₃ /L	694	72	75	97	APHA 2320 B
Biochem Oxygen Demand (BOD ₅)	mg/L	4	<2	<2	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	<0.02	<0.02	0.05	<0.02	EL15F
Ammonia Nitrogen	mg/L	34.6	0.03	<0.02	0.02	EL13F
Total Nitrogen	mg/L	39.5	0.09	0.78	0.87	EL30F
Total Kjeldahl Nitrogen	mg/L	39.5	0.09	0.73	0.87	EL16F
Total Suspended Solids	mg/L	103	11	95	328	APHA 2540 D
Calcium	mg/L	151	3.2	22	9.6	EL9A
Potassium	mg/L	29	0.20	10	1.7	EL9A
Arsenic	mg/L	0.017	<0.012	<0.012	0.014	EL9A



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[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

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ANALYSIS	UNITS	22/2450/1	22/2450/2	22/2450/3	22/2450/4	METHODNO
ORGANOCHLORINE PESTICIDES*						
Hexachlorobenzene (HCB)	ug/L	<0.01	-	-	-	NR_19
Heptachlor	ug/L	<0.01	-	-	-	NR_19
Heptachlor Epoxide	ug/L	<0.01	-	-	-	NR_19
Aldrin	ug/L	<0.01	-	-	-	NR_19
gamma BHC (Lindane)	ug/L	<0.01	-	-	-	NR_19
alpha BHC	ug/L	<0.01	-	-	-	NR_19
beta BHC	ug/L	<0.01	-	-	-	NR_19
delta BHC	ug/L	<0.01	-	-	-	NR_19
trans Chlordane	ug/L	<0.01	-	-	-	NR_19
cis Chlordane	ug/L	<0.01	-	-	-	NR_19
Oxychlordane	ug/L	<0.01	-	-	-	NR_19
Dieldrin	ug/L	0.014	-	-	-	NR_19
DDE pp	ug/L	<0.01	-	-	-	NR_19
DDD pp	ug/L	<0.01	-	-	-	NR_19
DDT pp	ug/L	<0.01	-	-	-	NR_19
Endrin	ug/L	<0.01	-	-	-	NR_19
Endrin Aldehyde	ug/L	<0.01	-	-	-	NR_19
Endrin Ketone	ug/L	<0.01	-	-	-	NR_19
alpha Endosulfan	ug/L	<0.01	-	-	-	NR_19
beta Endosulfan	ug/L	<0.01	-	-	-	NR_19
Endosulfan sulphate	ug/L	<0.01	-	-	-	NR_19
Methoxychlor	ug/L	<0.01	-	-	-	NR_19
ORGANOPHOSPHATE PESTICIDES*						
Dichlorvos	ug/L	<0.1	-	-	-	NR_19
Demeton-S-methyl	ug/L	<0.1	-	-	-	NR_19
Diazinon	ug/L	<0.1	-	-	-	NR_19
Dimethoate	ug/L	<0.1	-	-	-	NR_19
Chlorpyrifos	ug/L	<0.1	-	-	-	NR_19
Chlorpyrifos-methyl	ug/L	<0.1	-	-	-	NR_19
Malathion	ug/L	<0.1	-	-	-	NR_19
Ethion	ug/L	<0.1	-	-	-	NR_19
Fenthion	ug/L	<0.1	-	-	-	NR_19
Fenitrothion	ug/L	<0.1	-	-	-	NR_19
Chlorfenvinphos (E)	ug/L	<0.1	-	-	-	NR_19
Chlorfenvinphos (Z)	ug/L	<0.1	-	-	-	NR_19
Parathion (Ethyl)	ug/L	<0.1	-	-	-	NR_19
Parathion Methyl	ug/L	<0.1	-	-	-	NR_19
Pirimiphos Methyl	ug/L	<0.1	-	-	-	NR_19
Pirimiphos Ethyl	ug/L	<0.1	-	-	-	NR_19
Azinphos Methyl	ug/L	<0.1	-	-	-	NR_19
Azinphos ethyl	ug/L	<0.1	-	-	-	NR_19
PHENOLS*						
Phenol	ug/L	<1	-	-	-	NGCMS_1111



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ANALYSIS	UNITS	22/2450/1	22/2450/2	22/2450/3	22/2450/4	METHODNO
2-Chlorophenol	ug/L	<1	-	-	-	NGCMS_1111
2-Methylphenol	ug/L	<1	-	-	-	NGCMS_1111
3 & 4-Methylphenols	ug/L	<2	-	-	-	NGCMS_1111
2,4-Dimethylphenol	ug/L	<1	-	-	-	NGCMS_1111
2-Nitrophenol	ug/L	<1	-	-	-	NGCMS_1111
4-Nitrophenol	ug/L	<1	-	-	-	NGCMS_1111
2,4-Dichlorophenol	ug/L	<1	-	-	-	NGCMS_1111
2,6-Dichlorophenol	ug/L	<1	-	-	-	NGCMS_1111
4-Chloro-3-methylphenol	ug/L	<2	-	-	-	NGCMS_1111
2,4,6-Trichlorophenol	ug/L	<2	-	-	-	NGCMS_1111
2,4,5-Trichlorophenol	ug/L	<2	-	-	-	NGCMS_1111
2,3,4,6-Tetrachlorophenol	ug/L	<2	-	-	-	NGCMS_1111
Pentachlorophenol	ug/L	<2	-	-	-	NGCMS_1111

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

*Analysis conducted by a subcontracted laboratory (NATA Accreditation Number 198) RN 13755523.

Report Date: 13/12/22



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

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COFFS HARBOUR LABORATORY

Environmental Analysis

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BELLINGENSHIRE COUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 23/0347
No. of SAMPLES: 3
DATE COLLECTED: 15/02/23
DATE RECEIVED: 16/02/23
TIME RECEIVED: 10:20
DATE TESTING COMMENCED:
16/02/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/0347/1	1 - UPSTREAM OF LANDFILL (15/02/23)
23/0347/2	2 - WETLAND (15/02/23)
23/0347/3	3 - SEDIMENT POND (15/02/23)

ANALYSIS	UNITS	23/0347/1	23/0347/2	23/0347/3	METHOD NO
pH	pH unit	5.8	5.5	6.7	APHA 4500-H+ B
Total Suspended Solids	mg/L	7	65	22	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<4	6	10	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	11	10	112	APHA 2320 B
Ammonia Nitrogen	mg/L	0.02	0.06	0.03	EL13F
Nitrate Nitrogen	mg/L	<0.02	0.03	0.04	EL15F
Total Kjeldahl Nitrogen	mg/L	0.88	1.65	2.34	EL16F
Total Nitrogen	mg/L	0.88	1.68	2.38	EL30F
Calcium	mg/L	4.8	8.3	37	EL9A
Potassium	mg/L	1.7	2.3	8.7	EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

Report Date: 22/02/23



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

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COFFS HARBOUR LABORATORY

Environmental Analysis

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BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 23/0398
No. of SAMPLES: 4
DATE COLLECTED: 23-24/02/23
DATE RECEIVED: 24/02/23
TIME RECEIVED: 14:55
DATE TESTING COMMENCED:
24/02/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/0398/1	1 - UPSTREAM OF LANDFILL (24/02/23)
23/0398/2	2 - WETLAND (24/02/23)
23/0398/3	3 - SEDIMENT POND (24/02/23)
23/0398/4	S1 - SEDIMENT POND (23/02/23)

ANALYSIS	UNITS	23/0398/1	23/0398/2	23/0398/3	23/0398/4	METHOD NO
pH	pH unit	5.6	6.2	6.6	6.8	APHA 4500-H+ B
Total Suspended Solids	mg/L	<2	33	92	70	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<4	<4	5	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	9	26	54	-	APHA 2320 B
Ammonia Nitrogen	mg/L	<0.02	0.03	0.02	-	EL13F
Nitrate Nitrogen	mg/L	<0.02	0.03	<0.02	-	EL15F
Total Kjeldahl Nitrogen	mg/L	0.82	1.01	1.13	-	EL16F
Total Nitrogen	mg/L	0.82	1.04	1.13	-	EL30F
Calcium	mg/L	4.4	11	20	-	EL9A
Potassium	mg/L	1.7	4.2	7.9	-	EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.



Report Date: 9/03/23 compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 1



BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 23/0616
No. of SAMPLES: 6
DATE COLLECTED: 15-24/03/23
DATE RECEIVED: 24/03/23
TIME RECEIVED: 13:00
DATE TESTING COMMENCED:
24/03/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/0616/1	S1 - (15/03/23)
23/0616/2	S2 - (16/03/23)
23/0616/3	S3 - (17/03/23)
23/0616/4	S4 - (22/03/23)
23/0616/5	S5 - (23/03/23)
23/0616/6	S6 - (24/03/23)

ANALYSIS	UNITS	23/0616/1	23/0616/2	23/0616/3	23/0616/4	METHODNO
pH	pH unit	6.7	6.6	6.7	6.8	APHA 4500-H+ B
Total Suspended Solids	mg/L	39	12	18	11	APHA 2540 D

ANALYSIS	UNITS	23/0616/5	23/0616/6			METHODNO
pH	pH unit	6.6	6.7			APHA 4500-H+ B
Total Suspended Solids	mg/L	9	10			APHA 2540 D

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

Report Date: 27/03/23



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 3



ENGINUITY DESIGN PTY LTD
RICHARD GREEN
PO BOX 107
BELLINGEN NSW 2454

BATCHNUMBER: 23/0883
No. of SAMPLES: 4
DATE COLLECTED: 28/04/23
DATE RECEIVED: 28/04/23
TIME RECEIVED: 13:20
DATE TESTING COMMENCED:
28/04/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/0883/1	Raleigh Tip Leachate
23/0883/2	Raleigh Tip GW1 (U/S NEW)
23/0883/3	Raleigh Tip GW7 (D/S)
23/0883/4	Raleigh Tip GW1 (U/S OLD)

ANALYSIS	UNITS	23/0883/1	23/0883/2	23/0883/3	23/0883/4	METHOD NO
pH	pH unit	7.1	6.1	6.1	5.8	APHA 4500-H+ B
Alkalinity	mg CaCO ₃ /L	563	72	39	61	APHA 2320 B
Biochem Oxygen Demand (BOD5)	mg/L	2	<2	<2	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	0.02	0.03	0.08	<0.02	EL15F
Ammonia Nitrogen	mg/L	26.3	0.02	<0.02	0.05	EL13F
Total Nitrogen	mg/L	33.9	0.11	0.64	1.13	EL30F
Total Kjeldahl Nitrogen	mg/L	33.9	0.08	0.56	1.13	EL16F
Total Suspended Solids	mg/L	138	12	21	156	APHA 2540 D
Calcium	mg/L	166	3.5	14	14	EL9A
Potassium	mg/L	25	0.28	8.0	2.1	EL9A
Arsenic	mg/L	<0.012	<0.012	<0.012	<0.012	EL9A



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	23/0883/1	23/0883/2	23/0883/3	23/0883/4	METHODNO
ORGANOCHLORINE PESTICIDES*						
Hexachlorobenzene (HCB)	ug/L	<0.01	-	-	-	NR_19
Heptachlor	ug/L	<0.01	-	-	-	NR_19
Heptachlor Epoxide	ug/L	<0.01	-	-	-	NR_19
Aldrin	ug/L	<0.01	-	-	-	NR_19
gamma BHC (Lindane)	ug/L	<0.01	-	-	-	NR_19
alpha BHC	ug/L	<0.01	-	-	-	NR_19
beta BHC	ug/L	<0.01	-	-	-	NR_19
delta BHC	ug/L	<0.01	-	-	-	NR_19
trans Chlordane	ug/L	<0.01	-	-	-	NR_19
cis Chlordane	ug/L	<0.01	-	-	-	NR_19
Oxychlordane	ug/L	<0.01	-	-	-	NR_19
Dieldrin	ug/L	<0.01	-	-	-	NR_19
DDE pp	ug/L	<0.01	-	-	-	NR_19
DDD pp	ug/L	<0.01	-	-	-	NR_19
DDT pp	ug/L	<0.01	-	-	-	NR_19
Endrin	ug/L	<0.01	-	-	-	NR_19
Endrin Aldehyde	ug/L	<0.01	-	-	-	NR_19
Endrin Ketone	ug/L	<0.01	-	-	-	NR_19
alpha Endosulfan	ug/L	<0.01	-	-	-	NR_19
beta Endosulfan	ug/L	<0.01	-	-	-	NR_19
Endosulfan sulphate	ug/L	<0.01	-	-	-	NR_19
Methoxychlor	ug/L	<0.01	-	-	-	NR_19
ORGANOPHOSPHATE PESTICIDES*						
Dichlorvos	ug/L	<0.1	-	-	-	NR_19
Demeton-S-methyl	ug/L	<0.1	-	-	-	NR_19
Diazinon	ug/L	<0.1	-	-	-	NR_19
Dimethoate	ug/L	<0.1	-	-	-	NR_19
Chlorpyrifos	ug/L	<0.1	-	-	-	NR_19
Chlorpyrifos-methyl	ug/L	<0.1	-	-	-	NR_19
Malathion	ug/L	<0.1	-	-	-	NR_19
Ethion	ug/L	<0.1	-	-	-	NR_19
Fenthion	ug/L	<0.1	-	-	-	NR_19
Fenitrothion	ug/L	<0.1	-	-	-	NR_19
Chlorfenvinphos (E)	ug/L	<0.1	-	-	-	NR_19
Chlorfenvinphos (Z)	ug/L	<0.1	-	-	-	NR_19
Parathion (Ethyl)	ug/L	<0.1	-	-	-	NR_19
Parathion Methyl	ug/L	<0.1	-	-	-	NR_19
Pirimiphos Methyl	ug/L	<0.1	-	-	-	NR_19
Pirimiphos Ethyl	ug/L	<0.1	-	-	-	NR_19
Azinphos Methyl	ug/L	<0.1	-	-	-	NR_19
Azinphos ethyl	ug/L	<0.1	-	-	-	NR_19
Bromophos ethyl	ug/L	<0.1	-	-	-	NR_19
Carbophenothion	ug/L	<0.1	-	-	-	NR_19



Accredited for compliance with ISO/IEC 17025 - Testing
 [Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	23/0883/1	23/0883/2	23/0883/3	23/0883/4	METHODNO
Coumaphos	ug/L	<0.1	-	-	-	NR_19
Dioxathion	ug/L	<0.1	-	-	-	NR_19
Fenamiphos	ug/L	<0.1	-	-	-	NR_19
Fenchlorphos	ug/L	<0.1	-	-	-	NR_19
Formothion	ug/L	<0.1	-	-	-	NR_19
Methacrifos	ug/L	<0.1	-	-	-	NR_19
Mevinphos	ug/L	<0.1	-	-	-	NR_19
Methidathion	ug/L	<0.1	-	-	-	NR_19
Phorate	ug/L	<0.1	-	-	-	NR_19
Phosalone	ug/L	<0.1	-	-	-	NR_19
Profenofos	ug/L	<0.1	-	-	-	NR_19
Prothiophos	ug/L	<0.1	-	-	-	NR_19
Triazophos	ug/L	<0.1	-	-	-	NR_19
Thiometon	ug/L	<0.1	-	-	-	NR_19
PHENOLS*						
Phenol	ug/L		-	-	-	NGCMS_1111
2-Chlorophenol	ug/L		-	-	-	NGCMS_1111
2-Methylphenol	ug/L		-	-	-	NGCMS_1111
3 & 4-Methylphenols	ug/L		-	-	-	NGCMS_1111
2,4-Dimethylphenol	ug/L		-	-	-	NGCMS_1111
2-Nitrophenol	ug/L		-	-	-	NGCMS_1111
4-Nitrophenol	ug/L		-	-	-	NGCMS_1111
2,4-Dichlorophenol	ug/L		-	-	-	NGCMS_1111
2,6-Dichlorophenol	ug/L		-	-	-	NGCMS_1111
4-Chloro-3-methylphenol	ug/L		-	-	-	NGCMS_1111
2,4,6-Trichlorophenol	ug/L		-	-	-	NGCMS_1111
2,4,5-Trichlorophenol	ug/L		-	-	-	NGCMS_1111
2,3,4,6-Tetrachlorophenol	ug/L		-	-	-	NGCMS_1111
Pentachlorophenol	ug/L		-	-	-	NGCMS_1111

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

*Analysis conducted by a subcontracted laboratory (NATA Accreditation Number 198) RN 1392637.

Report Date: 17/05/23



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 3



ENGINUITY DESIGN PTY LTD
RICHARD GREEN
PO BOX 107
BELLINGEN NSW 2454

BATCHNUMBER: 23/0883
No. of SAMPLES: 4
DATE COLLECTED: 28/04/23
DATE RECEIVED: 28/04/23
TIME RECEIVED: 13:20
DATE TESTING COMMENCED:
28/04/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/0883/1	Raleigh Tip Leachate
23/0883/2	Raleigh Tip GW1 (U/S NEW)
23/0883/3	Raleigh Tip GW7 (D/S)
23/0883/4	Raleigh Tip GW1 (U/S OLD)

ANALYSIS	UNITS	23/0883/1	23/0883/2	23/0883/3	23/0883/4	METHOD NO
pH	pH unit	7.1	6.1	6.1	5.8	APHA 4500-H+ B
Alkalinity	mg CaCO ₃ /L	563	72	39	61	APHA 2320 B
Biochem Oxygen Demand (BOD5)	mg/L	2	<2	<2	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	0.02	0.03	0.08	<0.02	EL15F
Ammonia Nitrogen	mg/L	26.3	0.02	<0.02	0.05	EL13F
Total Nitrogen	mg/L	33.9	0.11	0.64	1.13	EL30F
Total Kjeldahl Nitrogen	mg/L	33.9	0.08	0.56	1.13	EL16F
Total Suspended Solids	mg/L	138	12	21	156	APHA 2540 D
Calcium	mg/L	166	3.5	14	14	EL9A
Potassium	mg/L	25	0.28	8.0	2.1	EL9A
Arsenic	mg/L	<0.012	<0.012	<0.012	<0.012	EL9A



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	23/0883/1	23/0883/2	23/0883/3	23/0883/4	METHODNO
ORGANOCHLORINE PESTICIDES*						
Hexachlorobenzene (HCB)	ug/L	<0.01	-	-	-	NR_19
Heptachlor	ug/L	<0.01	-	-	-	NR_19
Heptachlor Epoxide	ug/L	<0.01	-	-	-	NR_19
Aldrin	ug/L	<0.01	-	-	-	NR_19
gamma BHC (Lindane)	ug/L	<0.01	-	-	-	NR_19
alpha BHC	ug/L	<0.01	-	-	-	NR_19
beta BHC	ug/L	<0.01	-	-	-	NR_19
delta BHC	ug/L	<0.01	-	-	-	NR_19
trans Chlordane	ug/L	<0.01	-	-	-	NR_19
cis Chlordane	ug/L	<0.01	-	-	-	NR_19
Oxychlordane	ug/L	<0.01	-	-	-	NR_19
Dieldrin	ug/L	<0.01	-	-	-	NR_19
DDE pp	ug/L	<0.01	-	-	-	NR_19
DDD pp	ug/L	<0.01	-	-	-	NR_19
DDT pp	ug/L	<0.01	-	-	-	NR_19
Endrin	ug/L	<0.01	-	-	-	NR_19
Endrin Aldehyde	ug/L	<0.01	-	-	-	NR_19
Endrin Ketone	ug/L	<0.01	-	-	-	NR_19
alpha Endosulfan	ug/L	<0.01	-	-	-	NR_19
beta Endosulfan	ug/L	<0.01	-	-	-	NR_19
Endosulfan sulphate	ug/L	<0.01	-	-	-	NR_19
Methoxychlor	ug/L	<0.01	-	-	-	NR_19
ORGANOPHOSPHATE PESTICIDES*						
Dichlorvos	ug/L	<0.1	-	-	-	NR_19
Demeton-S-methyl	ug/L	<0.1	-	-	-	NR_19
Diazinon	ug/L	<0.1	-	-	-	NR_19
Dimethoate	ug/L	<0.1	-	-	-	NR_19
Chlorpyrifos	ug/L	<0.1	-	-	-	NR_19
Chlorpyrifos-methyl	ug/L	<0.1	-	-	-	NR_19
Malathion	ug/L	<0.1	-	-	-	NR_19
Ethion	ug/L	<0.1	-	-	-	NR_19
Fenthion	ug/L	<0.1	-	-	-	NR_19
Fenitrothion	ug/L	<0.1	-	-	-	NR_19
Chlorfenvinphos (E)	ug/L	<0.1	-	-	-	NR_19
Chlorfenvinphos (Z)	ug/L	<0.1	-	-	-	NR_19
Parathion (Ethyl)	ug/L	<0.1	-	-	-	NR_19
Parathion Methyl	ug/L	<0.1	-	-	-	NR_19
Pirimiphos Methyl	ug/L	<0.1	-	-	-	NR_19
Pirimiphos Ethyl	ug/L	<0.1	-	-	-	NR_19
Azinphos Methyl	ug/L	<0.1	-	-	-	NR_19
Azinphos ethyl	ug/L	<0.1	-	-	-	NR_19
Bromophos ethyl	ug/L	<0.1	-	-	-	NR_19
Carbophenothion	ug/L	<0.1	-	-	-	NR_19



Accredited for compliance with ISO/IEC 17025 - Testing
 [Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	23/0883/1	23/0883/2	23/0883/3	23/0883/4	METHODNO
Coumaphos	ug/L	<0.1	-	-	-	NR_19
Dioxathion	ug/L	<0.1	-	-	-	NR_19
Fenamiphos	ug/L	<0.1	-	-	-	NR_19
Fenchlorphos	ug/L	<0.1	-	-	-	NR_19
Formothion	ug/L	<0.1	-	-	-	NR_19
Methacrifos	ug/L	<0.1	-	-	-	NR_19
Mevinphos	ug/L	<0.1	-	-	-	NR_19
Methidathion	ug/L	<0.1	-	-	-	NR_19
Phorate	ug/L	<0.1	-	-	-	NR_19
Phosalone	ug/L	<0.1	-	-	-	NR_19
Profenofos	ug/L	<0.1	-	-	-	NR_19
Prothiophos	ug/L	<0.1	-	-	-	NR_19
Triazophos	ug/L	<0.1	-	-	-	NR_19
Thiometon	ug/L	<0.1	-	-	-	NR_19
PHENOLS*						
Phenol	ug/L	<1	-	-	-	NGCMS_1111
2-Chlorophenol	ug/L	<1	-	-	-	NGCMS_1111
2-Methylphenol	ug/L	<1	-	-	-	NGCMS_1111
3 & 4-Methylphenols	ug/L	<2	-	-	-	NGCMS_1111
2,4-Dimethylphenol	ug/L	<1	-	-	-	NGCMS_1111
2-Nitrophenol	ug/L	<1	-	-	-	NGCMS_1111
4-Nitrophenol	ug/L	<1	-	-	-	NGCMS_1111
2,4-Dichlorophenol	ug/L	<1	-	-	-	NGCMS_1111
2,6-Dichlorophenol	ug/L	<1	-	-	-	NGCMS_1111
4-Chloro-3-methylphenol	ug/L	<2	-	-	-	NGCMS_1111
2,4,6-Trichlorophenol	ug/L	<2	-	-	-	NGCMS_1111
2,4,5-Trichlorophenol	ug/L	<2	-	-	-	NGCMS_1111
2,3,4,6-Tetrachlorophenol	ug/L	<2	-	-	-	NGCMS_1111
Pentachlorophenol	ug/L	<2	-	-	-	NGCMS_1111

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

*Analysis conducted by a subcontracted laboratory (NATA Accreditation Number 198) RN 1395485.

Report Date: 15/06/23



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 1



BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 23/0897
No. of SAMPLES: 5
DATE COLLECTED: 29/03-30/04/23
DATE RECEIVED: 01/05/23
TIME RECEIVED: 15:30
DATE TESTING COMMENCED:
01/05/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/0897/1	S1 - (24/04/23)
23/0897/2	S2 - (27/04/23)
23/0897/3	S3 - (30/04/23)
23/0897/4	S1A - (29/03/23)
23/0897/5	S2A - (01/04/23)

ANALYSIS	UNITS	23/0897/1	23/0897/2	23/0897/3	23/0897/4	METHODNO
pH	pH unit	7.2	6.9	6.8	6.9	APHA 4500-H+ B
Total Suspended Solids	mg/L	38	5	10	26	APHA 2540 D

ANALYSIS	UNITS	23/0897/5				METHODNO
pH	pH unit	6.7				APHA 4500-H+ B
Total Suspended Solids	mg/L	17				APHA 2540 D

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

Report Date: 4/05/23



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 2



BELLINGENSHIRECOUNCIL
SAM TATE
P.O. BOX 117
BELLINGEN NSW 2454

BATCHNUMBER: 23/1044
No. of SAMPLES: 5
DATE COLLECTED: 15-18/05/23
DATE RECEIVED: 19/05/23
TIME RECEIVED: 15:45
DATE TESTING COMMENCED:
19/05/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/1044/1	1 - UPSTREAM OF LANDFILL (17/05/23)
23/1044/2	2 - WETLAND (17/05/23)
23/1044/3	3 - SEDIMENT POND (17/05/23)
23/1044/4	4 - S1 (15/05/23)
23/1044/5	5 - S2 (18/05/23)

ANALYSIS	UNITS	23/1044/1	23/1044/2	23/1044/3	23/1044/4	METHOD NO
pH	pH unit	6.1	5.8	6.7	6.9	APHA 4500-H+ B
Total Suspended Solids	mg/L	87	7	95	4	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<4	<4	14	-	APHA 5210 B
Alkalinity	mg CaCO ₃ /L	14	11	67	-	APHA 2320 B
Ammonia Nitrogen	mg/L	0.03	0.02	0.34	-	EL13F
Nitrate Nitrogen	mg/L	<0.02	<0.02	0.13	-	EL15F
Total Kjeldahl Nitrogen	mg/L	0.98	0.72	2.50	-	EL16F
Total Nitrogen	mg/L	0.98	0.72	2.66	-	EL30F
Calcium	mg/L	4.4	5.6	24	-	EL9A
Potassium	mg/L	1.4	1.7	7.0	-	EL9A



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	23/1044/5				METHODNO
pH	pH unit	6.9				APHA 4500-H+ B
Total Suspended Solids	mg/L	41				APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-				APHA 5210 B
Alkalinity	mg CaCO ₃ /L	-				APHA 2320 B
Ammonia Nitrogen	mg/L	-				EL13F
Nitrate Nitrogen	mg/L	-				EL15F
Total Kjeldahl Nitrogen	mg/L	-				EL16F
Total Nitrogen	mg/L	-				EL30F
Calcium	mg/L	-				EL9A
Potassium	mg/L	-				EL9A

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

Report Date: 30/05/23



Accredited for compliance with ISO/IEC 17025 - Testing
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia