

CERTIFICATE OF ANALYSIS

Work Order : **EM2201088**
Client : **Dept for Environment & Water**
Contact : **Mr FRANK MANGERUCA**
Address : **GPO BOX 2834**
ADELAIDE SA, AUSTRALIA 5001
Telephone : **----**
Project : **HCHB - Phase 1**
Order number : **----**
C-O-C number : **----**
Sampler : **----**
Site : **----**
Quote number : **AD/052/20 V2**
No. of samples received : **22**
No. of samples analysed : **22**

Page : 1 of 12
Laboratory : Environmental Division Melbourne
Contact : Kieren Burns
Address : 4 Westall Rd Springvale VIC Australia 3171
Telephone : +61881625130
Date Samples Received : 28-Jan-2022 11:10
Date Analysis Commenced : 30-Jan-2022
Issue Date : 04-Feb-2022 15:22



Accreditation No. 825
 Accredited for compliance with
 ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
Ankit Joshi	Inorganic Chemist	Sydney Inorganics, Smithfield, NSW
Dilani Fernando	Laboratory Coordinator	Melbourne Inorganics, Springvale, VIC
Jarwis Nheu	Senior Inorganic Chemist	Melbourne Inorganics, Springvale, VIC
Nikki Stepniewski	Senior Inorganic Instrument Chemist	Melbourne Inorganics, Springvale, VIC
Samantha Smith	Assistant Laboratory Manager	WRG Subcontracting, Springvale, VIC



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contact for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP005/EP002: It is recognised that total organic carbon is less than dissolved organic carbon for samples EM2201088 #5, #8, #9, #17, #18, #19, #20. However, the difference is within experimental variation of the methods.
- EP008 : Chlorophyll-a standard does not contain Pheophytin-a standard.
- EP008, Chlorophyll-a standard does not contain Pheophytin-a standard.
- EA015H: EM2201088 #1-2, #6, #11-16, #22: TDS by method EA-015 may bias high due to the presence of fine particulate matter, which may pass through the prescribed GF/C paper.
- ED037P: EM2201088 #21 Poor duplicate precision for carbonate alkalinity as CaCO₃ due to sample heterogeneity. Confirmed by re-extraction and re-analysis.
- EP002: EM2201088 #2 Poor matrix spike recovery for dissolved organic carbon due to sample matrix. Insufficient sample provided to confirm the results.
- ED045G: The presence of Thiocyanate, Thiosulfate and Sulfite can positively contribute to the chloride result, thereby may bias results higher than expected. Results should be scrutinised accordingly.
- Algal Count (BM010) has been performed by ALS Water Resources Group, NATA Accreditation no. 992, Site no. 989.

Sub-Matrix: **WATER**
(Matrix: **WATER**)

Sampling date / time

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	1.8km west of Salt Creek	3.2km south of Salt Creek (land)	Bonneys	Long Point	Mark Point
Sampling date / time				20-Jan-2022 15:20	20-Jan-2022 15:15	21-Jan-2022 08:35	21-Jan-2022 09:20	21-Jan-2022 11:00	
Compound	CAS Number	LOR	Unit	EM2201088-001	EM2201088-002	EM2201088-003	EM2201088-004	EM2201088-005	
				Result	Result	Result	Result	Result	
BM010: Algal Count									
Algal Count	----	-	-	NRind	NRind	NRind	NRind	NRind	
EA015: Total Dissolved Solids dried at 180 ± 5 °C									
Total Dissolved Solids @180°C	----	10	mg/L	102000	123000	62400	17700	3330	
EA045: Turbidity									
Turbidity	----	0.1	NTU	23.0	24.0	13.0	7.2	29.1	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	210	207	164	96	73	
Total Alkalinity as CaCO3	----	1	mg/L	210	207	164	96	73	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	45100	48600	26100	8610	1570	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	5.73	5.75	1.16	1.29	0.54	
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water									
Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	<0.02	0.28	0.32	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	0.02	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	<0.01	0.01	<0.01	0.02	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	0.01	<0.01	0.04	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	4.4	4.2	2.4	0.9	1.1	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	4.4	4.2	2.4	0.9	1.1	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	2.58	3.42	0.45	0.04	0.06	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.02	0.01	0.01	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	40	42	24	12	10	
EP005: Total Organic Carbon (TOC)									



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Sample ID

				1.8km west of Salt Creek	3.2km south of Salt Creek (land)	Bonneys	Long Point	Mark Point
Sampling date / time				20-Jan-2022 15:20	20-Jan-2022 15:15	21-Jan-2022 08:35	21-Jan-2022 09:20	21-Jan-2022 11:00
Compound	CAS Number	LOR	Unit	EM2201088-001	EM2201088-002	EM2201088-003	EM2201088-004	EM2201088-005
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	59	61	26	12	9
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	24	14	13	<1	4
Chlorophyll b	----	1	mg/m ³	4	2	<1	<1	<1
Pheophytin a	----	1	mg/m ³	28	6	5	<1	5

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	McGrath Flat North	Morella Basin @ outlet regulator	Morella Creek @ gauge	Murray Mouth	Noonameena
Sampling date / time				21-Jan-2022 08:05	20-Jan-2022 15:50	20-Jan-2022 15:40	20-Jan-2022 10:50	21-Jan-2022 08:55	
Compound	CAS Number	LOR	Unit	EM2201088-006	EM2201088-007	EM2201088-008	EM2201088-009	EM2201088-010	
				Result	Result	Result	Result	Result	
BM010: Algal Count									
Algal Count	----	-	-	NRind	NRind	NRind	NRind	NRind	
EA015: Total Dissolved Solids dried at 180 ± 5 °C									
Total Dissolved Solids @180°C	----	10	mg/L	77400	12900	13300	3310	46700	
EA045: Turbidity									
Turbidity	----	0.1	NTU	13.7	2.8	14.7	75.9	18.4	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	154	145	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	174	68	75	67	150	
Total Alkalinity as CaCO3	----	1	mg/L	174	222	220	67	150	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	34000	6600	6660	1530	19000	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	0.43	0.19	0.83	0.68	0.49	
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water									
Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.28	0.30	0.30	0.03	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	0.04	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	<0.01	<0.01	0.06	<0.01	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	<0.01	0.10	<0.01	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	3.0	1.3	1.6	1.4	1.9	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	3.0	1.3	1.6	1.5	1.9	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	0.99	0.05	0.04	0.11	0.17	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.01	0.01	0.01	0.01	0.02	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	29	19	20	9	----	
EP005: Total Organic Carbon (TOC)									



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Sample ID

				McGrath Flat North	Morella Basin @ outlet regulator	Morella Creek @ gauge	Murray Mouth	Noonameena
Sampling date / time				21-Jan-2022 08:05	20-Jan-2022 15:50	20-Jan-2022 15:40	20-Jan-2022 10:50	21-Jan-2022 08:55
Compound	CAS Number	LOR	Unit	EM2201088-006	EM2201088-007	EM2201088-008	EM2201088-009	EM2201088-010
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	31	19	19	8	20
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	3	1	2	2	2
Chlorophyll b	----	1	mg/m ³	<1	<1	<1	<1	1
Pheophytin a	----	1	mg/m ³	3	<1	3	2	1

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	North Jacks Point	Parnka Point	Salt Creek Outlet	Snipe Point	South Policeman Point / Seagull Island
Sampling date / time				20-Jan-2022 16:30	21-Jan-2022 07:20	20-Jan-2022 15:05	20-Jan-2022 15:40	20-Jan-2022 16:10	
Compound	CAS Number	LOR	Unit	EM2201088-011	EM2201088-012	EM2201088-013	EM2201088-014	EM2201088-015	
				Result	Result	Result	Result	Result	
BM010: Algal Count									
Algal Count	----	-	-	NRind	NRind	NRind	NRind	NRind	
EA015: Total Dissolved Solids dried at 180 ± 5 °C									
Total Dissolved Solids @180°C	----	10	mg/L	109000	82500	106000	104000	103000	
EA045: Turbidity									
Turbidity	----	0.1	NTU	43.6	15.2	25.2	22.8	27.0	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	206	169	211	213	208	
Total Alkalinity as CaCO3	----	1	mg/L	206	169	211	213	208	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	49800	36500	44100	47400	48500	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	6.76	1.41	5.73	5.72	6.00	
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water									
Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	5.4	2.5	4.5	4.8	4.8	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	5.4	2.5	4.5	4.8	4.8	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	3.13	1.78	2.23	4.08	3.16	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	43	29	39	38	40	
EP005: Total Organic Carbon (TOC)									



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Sample ID

				North Jacks Point	Parnka Point	Salt Creek Outlet	Snipe Point	South Policeman Point / Seagull Island
Sampling date / time				20-Jan-2022 16:30	21-Jan-2022 07:20	20-Jan-2022 15:05	20-Jan-2022 15:40	20-Jan-2022 16:10
Compound	CAS Number	LOR	Unit	EM2201088-011	EM2201088-012	EM2201088-013	EM2201088-014	EM2201088-015
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	64	33	55	53	58
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	21	7	20	23	25
Chlorophyll b	----	1	mg/m ³	3	<1	2	4	5
Pheophytin a	----	1	mg/m ³	38	4	15	34	64



Analytical Results

Sub-Matrix: WATER
 (Matrix: WATER)

Sample ID

				Stoney Well	Tauwiche D/S	Tauwiche U/S	Tilley Swamp Drain D/S Nth Outlet	Tilley Swamp Drain U/S Morella
Sampling date / time				20-Jan-2022 17:10	21-Jan-2022 11:45	21-Jan-2022 11:45	20-Jan-2022 16:40	20-Jan-2022 16:20
Compound	CAS Number	LOR	Unit	EM2201088-016	EM2201088-017	EM2201088-018	EM2201088-019	EM2201088-020
				Result	Result	Result	Result	Result
BM010: Algal Count								
Algal Count	----	-	-	NRind	NRind	NRind	NRind	NRind
EA015: Total Dissolved Solids dried at 180 ± 5 °C								
Total Dissolved Solids @180°C	----	10	mg/L	115000	312	291	6470	6810
EA045: Turbidity								
Turbidity	----	0.1	NTU	42.3	94.9	111	5.3	2.6
ED037P: Alkalinity by PC Titrator								
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	<1	<1	65
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	204	63	60	433	380
Total Alkalinity as CaCO3	----	1	mg/L	204	63	60	433	446
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	1	mg/L	50200	92	76	3380	3400
EG052G: Silica by Discrete Analyser								
Reactive Silica	----	0.05	mg/L	6.12	0.24	0.10	24.7	23.5
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water								
Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.26	0.25	0.28	0.19
EK057G: Nitrite as N by Discrete Analyser								
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EK058G: Nitrate as N by Discrete Analyser								
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	0.03	<0.01	<0.01	<0.01
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser								
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.03	<0.01	<0.01	<0.01
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser								
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	4.8	1.6	1.8	0.3	0.6
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser								
^ Total Nitrogen as N	----	0.1	mg/L	4.8	1.6	1.8	0.3	0.6
EK067G: Total Phosphorus as P by Discrete Analyser								
Total Phosphorus as P	----	0.01	mg/L	4.86	0.12	0.14	0.01	0.01
EK071G: Reactive Phosphorus as P by discrete analyser								
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01
EP002: Dissolved Organic Carbon (DOC)								
Dissolved Organic Carbon	----	1	mg/L	42	10	10	9	9



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Sample ID

				Stoney Well	Tauwitchere D/S	Tauwitchere U/S	Tilley Swamp Drain D/S Nth Outlet	Tilley Swamp Drain U/S Morella
Sampling date / time				20-Jan-2022 17:10	21-Jan-2022 11:45	21-Jan-2022 11:45	20-Jan-2022 16:40	20-Jan-2022 16:20
Compound	CAS Number	LOR	Unit	EM2201088-016	EM2201088-017	EM2201088-018	EM2201088-019	EM2201088-020
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC)								
Total Organic Carbon	----	1	mg/L	63	8	8	7	11
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	19	6	12	<1	<1
Chlorophyll b	----	1	mg/m ³	2	<1	<1	<1	<1
Pheophytin a	----	1	mg/m ³	19	6	17	<1	<1

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	Tilley Swamp Drain Watercourse Outlet	Villa de Yumpa	----	----	----
Sampling date / time				20-Jan-2022 16:50	20-Jan-2022 17:30	----	----	----	
Compound	CAS Number	LOR	Unit	EM2201088-021	EM2201088-022	-----	-----	-----	
				Result	Result	----	----	----	
BM010: Algal Count									
Algal Count	----	-	-	NRind	NRind	----	----	----	
EA015: Total Dissolved Solids dried at 180 ± 5 °C									
Total Dissolved Solids @180°C	----	10	mg/L	6640	98500	----	----	----	
EA045: Turbidity									
Turbidity	----	0.1	NTU	19.0	38.0	----	----	----	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	----	----	----	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	48	<1	----	----	----	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	390	192	----	----	----	
Total Alkalinity as CaCO3	----	1	mg/L	438	192	----	----	----	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	3360	49500	----	----	----	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	24.7	4.56	----	----	----	
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water									
Ammonia as N	7664-41-7	0.02	mg/L	0.11	<0.02	----	----	----	
EK057G: Nitrite as N by Discrete Analyser									
Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	----	----	----	
EK058G: Nitrate as N by Discrete Analyser									
Nitrate as N	14797-55-8	0.01	mg/L	<0.01	<0.01	----	----	----	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser									
Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	----	----	----	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.4	4.3	----	----	----	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	0.4	4.3	----	----	----	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	0.01	0.21	----	----	----	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	----	----	----	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	6	40	----	----	----	
EP005: Total Organic Carbon (TOC)									



Analytical Results

Sub-Matrix: **WATER**
 (Matrix: **WATER**)

Sample ID

				Tilley Swamp Drain Watercourse Outlet	Villa de Yumpa	----	----	----
Sampling date / time				20-Jan-2022 16:50	20-Jan-2022 17:30	----	----	----
Compound	CAS Number	LOR	Unit	EM2201088-021	EM2201088-022	-----	-----	-----
Result				Result	Result	----	----	----
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	7	57	----	----	----
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m³	1	17	----	----	----
Chlorophyll b	----	1	mg/m³	<1	2	----	----	----
Pheophytin a	----	1	mg/m³	<1	32	----	----	----

Inter-Laboratory Testing

Analysis conducted by ALS Sydney, NATA accreditation no. 825, site no. 10911 (Chemistry) 14913 (Biology).

(WATER) EP008: Chlorophyll