

CERTIFICATE OF ANALYSIS

Work Order : **EM2125413**
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 : 16-Dec-2021 11:05
Date Analysis Commenced : 16-Dec-2021
Issue Date : 24-Dec-2021 09:46



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.

Signatories	Position	Accreditation Category
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.

- ED037-P: EM2125413 #19 Poor duplicate precision for carbonate alkalinity as CaCO₃ due to sample heterogeneity. Insufficient sample to confirm.
- EP002:EP005:It is recognised that total organic carbon is less than dissolved organic carbon for samples EM2125413 #5, #9, #17. However, the difference is within experimental variation of the methods.
- EP005:EP002:It is recognised that total organic carbon is less than dissolved organic carbon for samples EM2125413 #18. However, the results have been confirmed by re-extraction and re-analysis.
- It is recognised that TP is less than RP for sample #8 and #20. However, the difference is within experimental variation of the methods.
- EP008, Chlorophyll-a standard does not contain Pheophytin-a standard.
- EP008, LOR raised for various samples due to sample matrix.
- EA015H: EM2125413 #12-13, #15, #17-18: 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.
- ED052G: EM2125413-022 Poor matrix spike recovery for reactive silica due to matrix effects.
- EK055G-SW EM2125413 #2 & 22 Poor matrix spike recovery for Ammonia as N(saline water) due to matrix effects.
- EP002: EM2125413 #22 Poor matrix spike recovery for dissolved mercury due to sample matrix. Confirmed by re-extraction and re-analysis.
- 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)				Sample ID	1.8km west of Salt Creek	3.2km south of Salt Creek (land)	Bonneys	Long Point	Mark Point
Sampling date / time				14-Dec-2021 08:30	14-Dec-2021 08:20	13-Dec-2021 15:30	13-Dec-2021 14:30	13-Dec-2021 13:45	
Compound	CAS Number	LOR	Unit	EM2125413-001	EM2125413-002	EM2125413-003	EM2125413-004	EM2125413-005	
				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	70100	86100	64900	40700	10400	
EA045: Turbidity									
Turbidity	----	0.1	NTU	18.0	14.1	7.5	4.8	18.0	
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	31	<1	<1	<1	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	206	175	184	119	76	
Total Alkalinity as CaCO3	----	1	mg/L	206	206	184	119	76	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	37600	39000	34800	19800	5270	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	3.91	3.18	1.18	1.95	1.15	
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	0.17	
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	0.02	
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	0.03	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	3.7	3.5	2.2	0.3	0.6	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	3.7	3.5	2.2	0.3	0.6	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	2.11	4.48	1.90	0.33	0.11	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.42	0.08	0.03	0.02	0.05	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	33	34	27	17	11	
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				14-Dec-2021 08:30	14-Dec-2021 08:20	13-Dec-2021 15:30	13-Dec-2021 14:30	13-Dec-2021 13:45
Compound	CAS Number	LOR	Unit	EM2125413-001	EM2125413-002	EM2125413-003	EM2125413-004	EM2125413-005
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	46	46	28	17	10
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m³	21	12	7	2	12
Chlorophyll b	----	1	mg/m³	2	<2	<1	<1	<2
Pheophytin a	----	1	mg/m³	5	3	2	3	6

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	McGrath Flat North	Morella Basin @ outlet regulator	Morella Creek @ gauge	Murray Mouth	Noonameena
Sampling date / time					13-Dec-2021 16:00	14-Dec-2021 09:05	14-Dec-2021 08:50	13-Dec-2021 12:00	13-Dec-2021 15:00
Compound	CAS Number	LOR	Unit	EM2125413-006	EM2125413-007	EM2125413-008	EM2125413-009	EM2125413-010	
				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	89200	9650	8780	3370	65200	
EA045: Turbidity									
Turbidity	----	0.1	NTU	37.2	1.9	1.3	20.4	2.4	
ED037P: Alkalinity by PC Titrator									
Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	25	39	<1	<1	
Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	170	159	<1	20	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	200	<1	<1	89	157	
Total Alkalinity as CaCO3	----	1	mg/L	200	195	198	89	177	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	42400	5120	5200	1850	33700	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	1.30	1.14	1.40	0.99	1.05	
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water									
Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.07	0.08	0.07	<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	0.03	<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	0.03	<0.01	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser									
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	3.2	0.6	0.3	0.6	1.2	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	3.2	0.6	0.3	0.6	1.2	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	4.03	0.08	0.03	0.07	1.50	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.60	0.03	0.04	0.03	0.03	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	36	13	13	10	23	
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				13-Dec-2021 16:00	14-Dec-2021 09:05	14-Dec-2021 08:50	13-Dec-2021 12:00	13-Dec-2021 15:00
Compound	CAS Number	LOR	Unit	EM2125413-006	EM2125413-007	EM2125413-008	EM2125413-009	EM2125413-010
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	48	13	13	8	24
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	17	<1	<1	6	2
Chlorophyll b	----	1	mg/m ³	<2	<1	<1	<2	<1
Pheophytin a	----	1	mg/m ³	3	<1	<1	<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				14-Dec-2021 09:45	14-Dec-2021 12:40	14-Dec-2021 08:05	14-Dec-2021 08:50	14-Dec-2021 09:10	
Compound	CAS Number	LOR	Unit	EM2125413-011	EM2125413-012	EM2125413-013	EM2125413-014	EM2125413-015	
				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	82800	99000	83000	69200	91000	
EA045: Turbidity									
Turbidity	----	0.1	NTU	22.7	32.5	16.6	18.6	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	<1	38	30	25	
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	218	225	185	193	198	
Total Alkalinity as CaCO3	----	1	mg/L	218	225	223	223	224	
ED045G: Chloride by Discrete Analyser									
Chloride	16887-00-6	1	mg/L	42000	52600	37600	38600	38600	
EG052G: Silica by Discrete Analyser									
Reactive Silica	----	0.05	mg/L	4.67	2.90	3.84	4.03	4.27	
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	0.03	<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	3.8	4.0	3.1	3.1	3.0	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser									
^ Total Nitrogen as N	----	0.1	mg/L	3.8	4.0	3.1	3.1	3.0	
EK067G: Total Phosphorus as P by Discrete Analyser									
Total Phosphorus as P	----	0.01	mg/L	2.53	3.26	3.17	0.19	1.00	
EK071G: Reactive Phosphorus as P by discrete analyser									
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.02	0.02	0.02	0.05	0.02	
EP002: Dissolved Organic Carbon (DOC)									
Dissolved Organic Carbon	----	1	mg/L	35	40	32	31	33	
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				14-Dec-2021 09:45	14-Dec-2021 12:40	14-Dec-2021 08:05	14-Dec-2021 08:50	14-Dec-2021 09:10
Compound	CAS Number	LOR	Unit	EM2125413-011	EM2125413-012	EM2125413-013	EM2125413-014	EM2125413-015
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	53	57	45	46	46
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	18	16	11	24	30
Chlorophyll b	----	1	mg/m ³	4	3	<2	2	4
Pheophytin a	----	1	mg/m ³	36	25	5	7	12



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				14-Dec-2021 10:20	13-Dec-2021 13:00	13-Dec-2021 13:00	14-Dec-2021 09:55	14-Dec-2021 09:30
Compound	CAS Number	LOR	Unit	EM2125413-016	EM2125413-017	EM2125413-018	EM2125413-019	EM2125413-020
				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	80000	790	340	6010	6250
EA045: Turbidity								
Turbidity	----	0.1	NTU	33.9	90.3	99.0	2.8	1.9
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	38	119
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	226	61	60	352	280
Total Alkalinity as CaCO3	----	1	mg/L	226	61	60	390	399
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	1	mg/L	42100	83	73	3260	3170
EG052G: Silica by Discrete Analyser								
Reactive Silica	----	0.05	mg/L	4.15	0.55	0.39	17.0	17.3
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water								
Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.09	0.08	0.07	0.30
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	0.04	<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	0.04	<0.01	<0.01	<0.01
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser								
Total Kjeldahl Nitrogen as N	----	0.1	mg/L	4.9	0.4	0.3	0.1	0.6
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser								
^ Total Nitrogen as N	----	0.1	mg/L	4.9	0.4	0.3	0.1	0.6
EK067G: Total Phosphorus as P by Discrete Analyser								
Total Phosphorus as P	----	0.01	mg/L	2.08	0.03	0.02	0.02	<0.01
EK071G: Reactive Phosphorus as P by discrete analyser								
Reactive Phosphorus as P	14265-44-2	0.01	mg/L	0.03	0.01	0.01	0.01	0.01
EP002: Dissolved Organic Carbon (DOC)								
Dissolved Organic Carbon	----	1	mg/L	37	14	11	8	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				14-Dec-2021 10:20	13-Dec-2021 13:00	13-Dec-2021 13:00	14-Dec-2021 09:55	14-Dec-2021 09:30
Compound	CAS Number	LOR	Unit	EM2125413-016	EM2125413-017	EM2125413-018	EM2125413-019	EM2125413-020
				Result	Result	Result	Result	Result
EP005: Total Organic Carbon (TOC)								
Total Organic Carbon	----	1	mg/L	55	15	8	8	12
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	29	17	26	<1	<1
Chlorophyll b	----	1	mg/m ³	2	<8	<8	<1	<1
Pheophytin a	----	1	mg/m ³	12	<8	9	<1	<1

Sub-Matrix: WATER (Matrix: WATER)			Sample ID	Tilley Swamp Drain Watercourse Outlet	Villa de Yumpa	----	----	----
Sampling date / time				14-Dec-2021 10:05	14-Dec-2021 10:50	----	----	----
Compound	CAS Number	LOR	Unit	EM2125413-021	EM2125413-022	-----	-----	-----
				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	6100	83500	----	----	----
EA045: Turbidity								
Turbidity	----	0.1	NTU	2.4	26.0	----	----	----
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	110	<1	----	----	----
Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	286	227	----	----	----
Total Alkalinity as CaCO3	----	1	mg/L	396	227	----	----	----
ED045G: Chloride by Discrete Analyser								
Chloride	16887-00-6	1	mg/L	3260	41800	----	----	----
EG052G: Silica by Discrete Analyser								
Reactive Silica	----	0.05	mg/L	17.4	4.58	----	----	----
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water								
Ammonia as N	7664-41-7	0.02	mg/L	0.33	<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	0.8	4.7	----	----	----
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser								
^ Total Nitrogen as N	----	0.1	mg/L	0.8	4.7	----	----	----
EK067G: Total Phosphorus as P by Discrete Analyser								
Total Phosphorus as P	----	0.01	mg/L	0.03	0.30	----	----	----
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	9	38	----	----	----
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				14-Dec-2021 10:05	14-Dec-2021 10:50	----	----	----
Compound	CAS Number	LOR	Unit	EM2125413-021	EM2125413-022	-----	-----	-----
Result				Result	Result	----	----	----
EP005: Total Organic Carbon (TOC) - Continued								
Total Organic Carbon	----	1	mg/L	9	53	----	----	----
EP008: Chlorophyll								
Chlorophyll a	----	1	mg/m ³	<1	29	----	----	----
Chlorophyll b	----	1	mg/m ³	<1	2	----	----	----
Pheophytin a	----	1	mg/m ³	<1	10	----	----	----

Inter-Laboratory Testing

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

(WATER) EP008: Chlorophyll