

QUALITY CONTROL REPORT

Work Order	: EM2123012	Page	: 1 of 9
Client	: Dept for Environment & Water	Laboratory	: Environmental Division Melbourne
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Project	: HCHB - Phase 1	Date Samples Received	: 18-Nov-2021
Order number	: ----	Date Analysis Commenced	: 18-Nov-2021
C-O-C number	: ----	Issue Date	: 25-Nov-2021
Sampler	: ----		
Site	: ----		
Quote number	: AD/052/20 V2		
No. of samples received	: 22		
No. of samples analysed	: 22		



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 Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

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
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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 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.

Laboratory Duplicate (DUP) Report

Sub-Matrix: **WATER**

Sub-Matrix: WATER				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QC Lot: 4026286)									
EM2123012-001	1.8km west of Salt Creek	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	0.0	No Limit
EM2123012-010	Noonameena	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	0.0	No Limit
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QC Lot: 4026288)									
EM2123012-021	Tilley Swamp Drain Watercourse Outlet	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	0.18	0.16	9.1	No Limit
EA015: Total Dissolved Solids dried at 180 ± 5 °C (QC Lot: 4030114)									
EM2123012-001	1.8km west of Salt Creek	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	68200	67600	1.0	0% - 20%
EM2123012-016	Stoney Well	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	85000	78600	7.8	0% - 20%
EM2123035-002	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	1380	1420	2.7	0% - 20%
EM2123050-001	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	14100	14300	1.4	0% - 20%
EA015: Total Dissolved Solids dried at 180 ± 5 °C (QC Lot: 4032890)									
EM2122954-016	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	9360	9910	5.7	0% - 20%
EM2123012-010	Noonameena	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	51700	53200	2.9	0% - 20%
EM2123043-003	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	944	1040	9.2	0% - 20%
EM2122851-001	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	298	# 206	36.5	0% - 20%
EA045: Turbidity (QC Lot: 4023849)									
EM2122899-001	Anonymous	EA045: Turbidity	----	0.1	NTU	3.2	3.3	3.1	0% - 20%
EM2123012-002	3.2km south of Salt Creek (land)	EA045: Turbidity	----	0.1	NTU	14.2	14.0	1.4	0% - 20%
EA045: Turbidity (QC Lot: 4023850)									
EM2123012-013	Salt Creek Outlet	EA045: Turbidity	----	0.1	NTU	14.7	14.7	0.0	0% - 20%
EM2123012-022	Villa de Yumpa	EA045: Turbidity	----	0.1	NTU	16.0	16.3	1.9	0% - 20%
ED037P: Alkalinity by PC Titrator (QC Lot: 4030457)									



Sub-Matrix: **WATER**

Sub-Matrix: WATER				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
ED037P: Alkalinity by PC Titrator (QC Lot: 4030457) - continued									
EM2123012-002	3.2km south of Salt Creek (land)	ED037-P: Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	0.0	No Limit
		ED037-P: Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	11	13	18.7	0% - 50%
		ED037-P: Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	222	219	1.3	0% - 20%
		ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	233	232	0.0	0% - 20%
EM2123012-012	Parnka Point	ED037-P: Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	0.0	No Limit
		ED037-P: Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	8	10	23.8	0% - 50%
		ED037-P: Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	188	186	0.6	0% - 20%
		ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	195	196	0.0	0% - 20%
ED037P: Alkalinity by PC Titrator (QC Lot: 4030458)									
EM2123095-002	Anonymous	ED037-P: Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	0.0	No Limit
		ED037-P: Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	0.0	No Limit
		ED037-P: Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	153	154	1.2	0% - 20%
		ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	153	154	1.2	0% - 20%
EM2123064-002	Anonymous	ED037-P: Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	0.0	No Limit
		ED037-P: Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	0.0	No Limit
		ED037-P: Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	17	18	0.0	0% - 50%
		ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	17	18	0.0	0% - 50%
ED045G: Chloride by Discrete Analyser (QC Lot: 4023520)									
EM2122954-014	Anonymous	ED045G: Chloride	16887-00-6	1	mg/L	5470	5440	0.7	0% - 20%
EM2122954-006	Anonymous	ED045G: Chloride	16887-00-6	1	mg/L	9100	8570	6.0	0% - 20%
ED045G: Chloride by Discrete Analyser (QC Lot: 4023524)									
EM2123012-002	3.2km south of Salt Creek (land)	ED045G: Chloride	16887-00-6	1	mg/L	33800	34300	1.3	0% - 20%
EM2123012-010	Noonameena	ED045G: Chloride	16887-00-6	1	mg/L	24200	23800	1.5	0% - 20%
ED045G: Chloride by Discrete Analyser (QC Lot: 4023528)									
EM2123012-022	Villa de Yumpa	ED045G: Chloride	16887-00-6	1	mg/L	36700	36200	1.3	0% - 20%
EG052G: Silica by Discrete Analyser (QC Lot: 4023521)									
EM2123012-001	1.8km west of Salt Creek	EG052G: Reactive Silica	----	0.05	mg/L	2.37	2.36	0.0	0% - 20%
EM2123012-011	North Jacks Point	EG052G: Reactive Silica	----	0.05	mg/L	2.11	2.01	4.8	0% - 20%
EG052G: Silica by Discrete Analyser (QC Lot: 4023525)									
EM2123012-021	Tilley Swamp Drain Watercourse Outlet	EG052G: Reactive Silica	----	0.05	mg/L	1.02	0.97	5.0	0% - 20%
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 4023518)									
EM2122954-016	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EM2122954-006	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.02	<0.02	0.0	No Limit
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 4023523)									
EM2123012-002	3.2km south of Salt Creek (land)	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit

Sub-Matrix: WATER				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 4023523) - continued									
EM2123012-011	North Jacks Point	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 4023527)									
EM2123012-022	Villa de Yumpa	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 4026285)									
EM2122731-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	33.2	33.8	2.0	0% - 20%
EM2122731-010	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	31.3	30.2	3.3	0% - 20%
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 4026287)									
EM2123012-011	North Jacks Point	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	0.02	0.03	0.0	No Limit
EM2123012-020	Tilley Swamp Drain U/S Morella	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	0.09	0.10	0.0	No Limit
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 4024548)									
EM2122997-013	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3	0.8	94.8	No Limit
EM2123012-008	Morella Creek @ gauge	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.9	114	No Limit
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 4024550)									
EM2123012-020	Tilley Swamp Drain U/S Morella	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.2	0.1	0.0	No Limit
EM2123063-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.1	0.4	101	No Limit
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 4024547)									
EM2122961-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	25.4	# 20.4	21.8	0% - 20%
EM2123012-008	Morella Creek @ gauge	EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	0.01	0.0	No Limit
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 4024549)									
EM2123012-020	Tilley Swamp Drain U/S Morella	EK067G: Total Phosphorus as P	----	0.01	mg/L	0.02	0.01	0.0	No Limit
EM2123063-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK071G: Reactive Phosphorus as P by discrete analyser (QC Lot: 4023522)									
EM2123012-001	1.8km west of Salt Creek	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EM2123012-010	Noonameena	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK071G: Reactive Phosphorus as P by discrete analyser (QC Lot: 4023526)									
EM2123012-021	Tilley Swamp Drain Watercourse Outlet	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EP002: Dissolved Organic Carbon (DOC) (QC Lot: 4025913)									
EM2123012-008	Morella Creek @ gauge	EP002: Dissolved Organic Carbon	----	1	mg/L	13	14	10.5	No Limit
EM2123012-010	Noonameena	EP002: Dissolved Organic Carbon	----	1	mg/L	21	23	8.8	No Limit
EP002: Dissolved Organic Carbon (DOC) (QC Lot: 4028479)									
EM2123012-012	Parnka Point	EP002: Dissolved Organic Carbon	----	1	mg/L	26	25	0.0	0% - 20%
EM2123012-021	Tilley Swamp Drain Watercourse Outlet	EP002: Dissolved Organic Carbon	----	1	mg/L	41	39	3.7	0% - 20%
EP005: Total Organic Carbon (TOC) (QC Lot: 4025912)									

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 Work Order : EM2123012
 Client : Dept for Environment & Water
 Project : HCHB - Phase 1



Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP005: Total Organic Carbon (TOC) (QC Lot: 4025912) - continued									
EM2122954-001	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<1	1	0.0	No Limit
EM2122954-011	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	382	460	18.6	0% - 20%
EP005: Total Organic Carbon (TOC) (QC Lot: 4025914)									
EM2123012-003	Bonneys	EP005: Total Organic Carbon	----	1	mg/L	24	26	7.3	0% - 20%
EP005: Total Organic Carbon (TOC) (QC Lot: 4028478)									
EM2122731-001	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	5	5	0.0	No Limit
EM2122731-010	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	5	5	0.0	No Limit
EP005: Total Organic Carbon (TOC) (QC Lot: 4028480)									
EM2123012-022	Villa de Yumpa	EP005: Total Organic Carbon	----	1	mg/L	34	33	3.9	0% - 20%

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: WATER				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 4026286)								
EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.5 mg/L	97.2	81.1	124
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 4026288)								
EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.5 mg/L	110	81.1	124
EA015: Total Dissolved Solids dried at 180 ± 5 °C (QCLot: 4030114)								
EA015H: Total Dissolved Solids @180°C	----	10	mg/L	<10	2000 mg/L	101	91.0	110
				<10	2460 mg/L	96.0	81.7	118
				<10	293 mg/L	96.9	91.0	110
EA015: Total Dissolved Solids dried at 180 ± 5 °C (QCLot: 4032890)								
EA015H: Total Dissolved Solids @180°C	----	10	mg/L	<10	2000 mg/L	97.0	91.0	110
				<10	2460 mg/L	99.3	81.7	118
				<10	293 mg/L	91.8	91.0	110
EA045: Turbidity (QCLot: 4023849)								
EA045: Turbidity	----	0.1	NTU	<0.1	40 NTU	100	88.1	110
EA045: Turbidity (QCLot: 4023850)								
EA045: Turbidity	----	0.1	NTU	<0.1	40 NTU	100	88.1	110
ED037P: Alkalinity by PC Titrator (QCLot: 4030457)								
ED037-P: Total Alkalinity as CaCO3	----	----	mg/L	----	200 mg/L	99.3	85.0	116
ED037P: Alkalinity by PC Titrator (QCLot: 4030458)								
ED037-P: Total Alkalinity as CaCO3	----	----	mg/L	----	200 mg/L	101	85.0	116
ED045G: Chloride by Discrete Analyser (QCLot: 4023520)								
ED045G: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	104	85.0	115
				<1	1000 mg/L	105	85.0	122
ED045G: Chloride by Discrete Analyser (QCLot: 4023524)								
ED045G: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	97.6	85.0	115
				<1	1000 mg/L	102	85.0	122
ED045G: Chloride by Discrete Analyser (QCLot: 4023528)								
ED045G: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	103	85.0	115
				<1	1000 mg/L	104	85.0	122
EG052G: Silica by Discrete Analyser (QCLot: 4023521)								
EG052G: Reactive Silica	----	0.05	mg/L	<0.05	5 mg/L	104	78.9	118
EG052G: Silica by Discrete Analyser (QCLot: 4023525)								
EG052G: Reactive Silica	----	0.05	mg/L	<0.05	5 mg/L	109	78.9	118
EK057G: Nitrite as N by Discrete Analyser (QCLot: 4023518)								

Sub-Matrix: WATER				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result		LCS	Low	High
EK057G: Nitrite as N by Discrete Analyser (QCLot: 4023518) - continued								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	99.8	90.9	112
EK057G: Nitrite as N by Discrete Analyser (QCLot: 4023523)								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	100	90.9	112
EK057G: Nitrite as N by Discrete Analyser (QCLot: 4023527)								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	100	90.9	112
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 4026285)								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	114	90.0	117
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 4026287)								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	115	90.0	117
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 4024548)								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	5 mg/L	93.8	70.0	117
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 4024550)								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	5 mg/L	88.8	70.0	117
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 4024547)								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	2.21 mg/L	98.1	71.9	114
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 4024549)								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	2.21 mg/L	96.0	71.9	114
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 4023522)								
EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	96.5	92.7	119
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 4023526)								
EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	96.7	92.7	119
EP002: Dissolved Organic Carbon (DOC) (QCLot: 4025913)								
EP002: Dissolved Organic Carbon	----	1	mg/L	<1	100 mg/L	110	83.0	115
EP002: Dissolved Organic Carbon (DOC) (QCLot: 4028479)								
EP002: Dissolved Organic Carbon	----	1	mg/L	<1	100 mg/L	96.6	83.0	115
EP005: Total Organic Carbon (TOC) (QCLot: 4025912)								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	108	81.2	110
EP005: Total Organic Carbon (TOC) (QCLot: 4025914)								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	99.7	81.2	110
EP005: Total Organic Carbon (TOC) (QCLot: 4028478)								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	97.0	81.2	110
EP005: Total Organic Carbon (TOC) (QCLot: 4028480)								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	96.2	81.2	110
EP008: Chlorophyll (QCLot: 4032720)								
EP008B: Chlorophyll b	----	1	mg/m³	<1	----	----	----	----
EP008: Chlorophyll (QCLot: 4032727)								

Matrix Spike (MS) Report

Sub-Matrix: **WATER**

Sub-Matrix: WATER				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 4026286)							
EM2123012-002	3.2km south of Salt Creek (land)	EK055G-SW: Ammonia as N	7664-41-7	0.5 mg/L	104	70.0	130
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 4026288)							
EM2123012-022	Villa de Yumpa	EK055G-SW: Ammonia as N	7664-41-7	0.5 mg/L	80.2	70.0	130
ED045G: Chloride by Discrete Analyser (QCLot: 4023520)							
EM2122954-007	Anonymous	ED045G: Chloride	16887-00-6	400 mg/L	# Not Determined	70.0	142
ED045G: Chloride by Discrete Analyser (QCLot: 4023524)							
EM2123012-003	Bonneys	ED045G: Chloride	16887-00-6	400 mg/L	# Not Determined	70.0	142
EG052G: Silica by Discrete Analyser (QCLot: 4023521)							
EM2123012-002	3.2km south of Salt Creek (land)	EG052G: Reactive Silica	----	5 mg/L	88.7	80.0	120
EG052G: Silica by Discrete Analyser (QCLot: 4023525)							
EM2123012-022	Villa de Yumpa	EG052G: Reactive Silica	----	5 mg/L	90.7	80.0	120
EK057G: Nitrite as N by Discrete Analyser (QCLot: 4023518)							
EM2122954-007	Anonymous	EK057G: Nitrite as N	14797-65-0	1 mg/L	106	80.0	114
EK057G: Nitrite as N by Discrete Analyser (QCLot: 4023523)							
EM2123012-003	Bonneys	EK057G: Nitrite as N	14797-65-0	0.5 mg/L	103	80.0	114
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 4026285)							
EM2122731-002	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.5 mg/L	# Not Determined	70.0	130
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 4026287)							



Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 4026287) - continued							
EM2123012-012	Pamka Point	EK059G: Nitrite + Nitrate as N	----	0.5 mg/L	90.4	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 4024548)							
EM2123012-001	1.8km west of Salt Creek	EK061G: Total Kjeldahl Nitrogen as N	----	25 mg/L	105	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 4024550)							
EM2123012-021	Tilley Swamp Drain Watercourse Outlet	EK061G: Total Kjeldahl Nitrogen as N	----	5 mg/L	118	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 4024547)							
EM2122961-002	Anonymous	EK067G: Total Phosphorus as P	----	1 mg/L	117	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 4024549)							
EM2123012-021	Tilley Swamp Drain Watercourse Outlet	EK067G: Total Phosphorus as P	----	1 mg/L	# 66.2	70.0	130
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 4023522)							
EM2123012-002	3.2km south of Salt Creek (land)	EK071G: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	87.9	79.0	123
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 4023526)							
EM2123012-022	Villa de Yumpa	EK071G: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	88.6	79.0	123
EP002: Dissolved Organic Carbon (DOC) (QCLot: 4025913)							
EM2123012-002	3.2km south of Salt Creek (land)	EP002: Dissolved Organic Carbon	----	100 mg/L	101	75.0	117
EP002: Dissolved Organic Carbon (DOC) (QCLot: 4028479)							
EM2123012-013	Salt Creek Outlet	EP002: Dissolved Organic Carbon	----	100 mg/L	87.3	75.0	117
EP005: Total Organic Carbon (TOC) (QCLot: 4025912)							
EM2122954-002	Anonymous	EP005: Total Organic Carbon	----	100 mg/L	109	76.6	125
EP005: Total Organic Carbon (TOC) (QCLot: 4025914)							
EM2123012-004	Long Point	EP005: Total Organic Carbon	----	100 mg/L	122	76.6	125
EP005: Total Organic Carbon (TOC) (QCLot: 4028478)							
EM2122731-002	Anonymous	EP005: Total Organic Carbon	----	100 mg/L	104	76.6	125
EP005: Total Organic Carbon (TOC) (QCLot: 4028480)							
EM2123097-001	Anonymous	EP005: Total Organic Carbon	----	100 mg/L	110	76.6	125