

## QUALITY CONTROL REPORT

<b>Work Order</b>	<b>: EM2101680</b>	<b>Page</b>	<b>: 1 of 8</b>
<b>Client</b>	<b>: Dept for Environment &amp; Water</b>	<b>Laboratory</b>	<b>: Environmental Division Melbourne</b>
<b>Contact</b>	<b>: Mr FRANK MANGERUCA</b>	<b>Contact</b>	<b>: Kieren Burns</b>
<b>Address</b>	<b>: GPO BOX 2834 ADELAIDE SA, AUSTRALIA 5001</b>	<b>Address</b>	<b>: 4 Westall Rd Springvale VIC Australia 3171</b>
<b>Telephone</b>	<b>: ----</b>	<b>Telephone</b>	<b>: +61881625130</b>
<b>Project</b>	<b>: HCHB</b>	<b>Date Samples Received</b>	<b>: 05-Feb-2021</b>
<b>Order number</b>	<b>: ----</b>	<b>Date Analysis Commenced</b>	<b>: 05-Feb-2021</b>
<b>C-O-C number</b>	<b>: ----</b>	<b>Issue Date</b>	<b>: 15-Feb-2021</b>
<b>Sampler</b>	<b>: JOSHUA CASTLE</b>		
<b>Site</b>	<b>: ----</b>		
<b>Quote number</b>	<b>: AD/052/20 V2</b>		
<b>No. of samples received</b>	<b>: 19</b>		
<b>No. of samples analysed</b>	<b>: 19</b>		



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
Arenie Vijayaratham	Non-Metals Team Leader	Melbourne Inorganics, Springvale, VIC
Dilani Fernando	Senior Inorganic Chemist	Melbourne Inorganics, Springvale, VIC
Samantha Smith	Laboratory Coordinator	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

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot  
 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  
 RPD = Relative Percentage Difference  
 # = Indicates failed QC

## Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
<b>EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QC Lot: 3498720)</b>									
EM2101488-001	Anonymous	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.01	<0.01	0.00	No Limit
EM2101680-001	Murray Mouth	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	0.00	No Limit
<b>EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QC Lot: 3498722)</b>									
EM2101709-002	Anonymous	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	0.00	No Limit
EM2101680-012	North Jacks Point	EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	<0.02	0.00	No Limit
<b>EA015: Total Dissolved Solids dried at 180 ± 5 °C (QC Lot: 3497744)</b>									
EM2101638-013	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	5820	6130	5.10	0% - 20%
EM2101679-001	Anonymous	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	17500	16000	9.12	0% - 20%
<b>EA015: Total Dissolved Solids dried at 180 ± 5 °C (QC Lot: 3497747)</b>									
EM2101680-005	Long Point	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	34800	36800	5.62	0% - 20%
EM2101680-014	Snipe Point	EA015H: Total Dissolved Solids @180°C	----	10	mg/L	102000	110000	7.76	0% - 20%
<b>EA045: Turbidity (QC Lot: 3497935)</b>									
EM2101676-001	Anonymous	EA045: Turbidity	----	0.1	NTU	20.7	20.8	0.482	0% - 20%
EM2101680-005	Long Point	EA045: Turbidity	----	0.1	NTU	4.8	5.0	4.06	0% - 20%
<b>EA045: Turbidity (QC Lot: 3497936)</b>									
EM2101680-016	Salt Creek Outlet	EA045: Turbidity	----	0.1	NTU	19.8	20.0	1.00	0% - 20%
<b>ED037P: Alkalinity by PC Titrator (QC Lot: 3497868)</b>									
EM2101679-002	Anonymous	ED037-P: Hydroxide Alkalinity as CaCO <sub>3</sub>	DMO-210-001	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Carbonate Alkalinity as CaCO <sub>3</sub>	3812-32-6	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Bicarbonate Alkalinity as CaCO <sub>3</sub>	71-52-3	1	mg/L	1630	1640	0.823	0% - 20%
		ED037-P: Total Alkalinity as CaCO <sub>3</sub>	----	1	mg/L	1630	1640	0.823	0% - 20%
EM2101680-005	Long Point	ED037-P: Hydroxide Alkalinity as CaCO <sub>3</sub>	DMO-210-001	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Carbonate Alkalinity as CaCO <sub>3</sub>	3812-32-6	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Bicarbonate Alkalinity as CaCO <sub>3</sub>	71-52-3	1	mg/L	148	148	0.00	0% - 20%

Page : 3 of 8  
 Work Order : EM2101680  
 Client : Dept for Environment & Water  
 Project : HCHB



Sub-Matrix: WATER				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
ED037P: Alkalinity by PC Titrator (QC Lot: 3497868) - continued									
EM2101680-005	Long Point	ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	148	148	0.00	0% - 20%
ED037P: Alkalinity by PC Titrator (QC Lot: 3497869)									
EM2101680-015	Morella Creek @ Gauge	ED037-P: Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	342	342	0.00	0% - 20%
		ED037-P: Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	28	26	6.62	0% - 20%
		ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	369	368	0.00	0% - 20%
EM2101703-001	Anonymous	ED037-P: Hydroxide Alkalinity as CaCO3	DMO-210-001	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Carbonate Alkalinity as CaCO3	3812-32-6	1	mg/L	<1	<1	0.00	No Limit
		ED037-P: Bicarbonate Alkalinity as CaCO3	71-52-3	1	mg/L	71	72	1.47	0% - 20%
		ED037-P: Total Alkalinity as CaCO3	----	1	mg/L	71	72	1.47	0% - 20%
ED045G: Chloride by Discrete Analyser (QC Lot: 3497119)									
EM2101679-007	Anonymous	ED045G: Chloride	16887-00-6	1	mg/L	13000	13100	0.814	0% - 20%
EM2101638-013	Anonymous	ED045G: Chloride	16887-00-6	1	mg/L	203	206	1.38	0% - 20%
ED045G: Chloride by Discrete Analyser (QC Lot: 3497124)									
EM2101680-012	North Jacks Point	ED045G: Chloride	16887-00-6	1	mg/L	67200	67600	0.482	0% - 20%
EM2101700-001	Anonymous	ED045G: Chloride	16887-00-6	1	mg/L	1430	1450	1.80	0% - 20%
EG052G: Silica by Discrete Analyser (QC Lot: 3497122)									
EM2101680-001	Murray Mouth	EG052G: Reactive Silica	----	0.05	mg/L	<0.05	<0.05	0.00	No Limit
EM2101680-011	Stony Well	EG052G: Reactive Silica	----	0.05	mg/L	2.06	2.06	0.00	0% - 20%
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 3497118)									
EM2101636-001	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EM2101679-004	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EK057G: Nitrite as N by Discrete Analyser (QC Lot: 3497123)									
EM2101680-008	McGrath Flat North	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EM2101680-017	1.8km West of Salt Creek	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 3498719)									
EM2101488-001	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EM2101680-001	Murray Mouth	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QC Lot: 3498721)									
EM2101680-012	North Jacks Point	EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	<0.01	0.00	No Limit
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 3497898)									
EM2101677-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	1.4	5.0	113	No Limit
EM2101644-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	1.5	1.7	11.0	0% - 50%
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QC Lot: 3497900)									
EM2101680-011	Stony Well	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	12.0	13.6	13.0	No Limit
EM2101685-001	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	0.3	0.6	58.3	No Limit
EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 3497897)									
EM2101677-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	0.66	0.82	22.1	No Limit

Page : 4 of 8  
 Work Order : EM2101680  
 Client : Dept for Environment & Water  
 Project : HCHB



Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Recovery Limits (%)
<b>EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 3497897) - continued</b>									
EM2101644-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	0.03	<0.01	93.8	No Limit
<b>EK067G: Total Phosphorus as P by Discrete Analyser (QC Lot: 3497899)</b>									
EM2101680-011	Stony Well	EK067G: Total Phosphorus as P	----	0.01	mg/L	3.38	1.56	73.7	No Limit
EM2101685-001	Anonymous	EK067G: Total Phosphorus as P	----	0.01	mg/L	0.02	0.04	45.6	No Limit
<b>EK071G: Reactive Phosphorus as P by discrete analyser (QC Lot: 3497121)</b>									
EM2101638-022	Anonymous	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	775	783	0.987	0% - 20%
EM2101680-009	Parnka Point	EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	<0.01	0.00	No Limit
<b>EP002: Dissolved Organic Carbon (DOC) (QC Lot: 3497134)</b>									
EM2101640-001	Anonymous	EP002: Dissolved Organic Carbon	----	1	mg/L	<1	<1	0.00	No Limit
EM2101680-004	Mark Point	EP002: Dissolved Organic Carbon	----	1	mg/L	5	6	0.00	No Limit
<b>EP002: Dissolved Organic Carbon (DOC) (QC Lot: 3499159)</b>									
EM2101644-001	Anonymous	EP002: Dissolved Organic Carbon	----	1	mg/L	6	6	0.00	No Limit
EM2101680-018	3.2km South of Salt Creek (Land)	EP002: Dissolved Organic Carbon	----	1	mg/L	46	45	0.00	0% - 20%
<b>EP005: Total Organic Carbon (TOC) (QC Lot: 3497133)</b>									
EM2101551-001	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<5	<5	0.00	No Limit
EM2101596-002	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<1	<1	0.00	No Limit
<b>EP005: Total Organic Carbon (TOC) (QC Lot: 3497135)</b>									
EM2101680-007	Bonneys	EP005: Total Organic Carbon	----	1	mg/L	31	35	11.8	0% - 20%
<b>EP005: Total Organic Carbon (TOC) (QC Lot: 3499160)</b>									
EM2101680-011	Stony Well	EP005: Total Organic Carbon	----	1	mg/L	60	59	0.00	0% - 20%
EM2101685-001	Anonymous	EP005: Total Organic Carbon	----	1	mg/L	<1	# 10	165	0% - 50%

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 Spike (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	Recovery Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 3498720)								
EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.5 mg/L	113	81.1	124
EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 3498722)								
EK055G-SW: Ammonia as N	7664-41-7	0.02	mg/L	<0.02	0.5 mg/L	112	81.1	124
EA015: Total Dissolved Solids dried at 180 ± 5 °C (QCLot: 3497744)								
EA015H: Total Dissolved Solids @180°C	----	10	mg/L	<10	2000 mg/L	100	91.0	110
				<10	293 mg/L	110	91.0	110
EA015: Total Dissolved Solids dried at 180 ± 5 °C (QCLot: 3497747)								
EA015H: Total Dissolved Solids @180°C	----	10	mg/L	<10	2000 mg/L	102	91.0	110
				<10	293 mg/L	93.8	91.0	110
EA045: Turbidity (QCLot: 3497935)								
EA045: Turbidity	----	0.1	NTU	<0.1	40 NTU	99.0	88.1	110
EA045: Turbidity (QCLot: 3497936)								
EA045: Turbidity	----	0.1	NTU	<0.1	40 NTU	98.5	88.1	110
ED037P: Alkalinity by PC Titrator (QCLot: 3497868)								
ED037-P: Total Alkalinity as CaCO3	----	----	mg/L	----	200 mg/L	101	85.0	116
ED037P: Alkalinity by PC Titrator (QCLot: 3497869)								
ED037-P: Total Alkalinity as CaCO3	----	----	mg/L	----	200 mg/L	102	85.0	116
ED045G: Chloride by Discrete Analyser (QCLot: 3497119)								
ED045G: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	108	85.0	115
				<1	1000 mg/L	104	85.0	122
ED045G: Chloride by Discrete Analyser (QCLot: 3497124)								
ED045G: Chloride	16887-00-6	1	mg/L	<1	10 mg/L	104	85.0	115
				<1	1000 mg/L	108	85.0	122
EG052G: Silica by Discrete Analyser (QCLot: 3497122)								
EG052G: Reactive Silica	----	0.05	mg/L	<0.05	5 mg/L	98.1	78.9	118
EK057G: Nitrite as N by Discrete Analyser (QCLot: 3497118)								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	106	90.9	112
EK057G: Nitrite as N by Discrete Analyser (QCLot: 3497123)								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	106	90.9	112
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 3498719)								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	111	90.0	117
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 3498721)								





Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Recovery Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result			Low	High
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 3498721) - continued</b>								
EK059G: Nitrite + Nitrate as N	----	0.01	mg/L	<0.01	0.5 mg/L	113	90.0	117
<b>EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 3497898)</b>								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	5 mg/L	98.9	70.0	117
<b>EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 3497900)</b>								
EK061G: Total Kjeldahl Nitrogen as N	----	0.1	mg/L	<0.1	5 mg/L	96.6	70.0	117
<b>EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 3497897)</b>								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	2.21 mg/L	91.0	71.9	114
<b>EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 3497899)</b>								
EK067G: Total Phosphorus as P	----	0.01	mg/L	<0.01	2.21 mg/L	89.7	71.9	114
<b>EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 3497121)</b>								
EK071G: Reactive Phosphorus as P	14265-44-2	0.01	mg/L	<0.01	0.5 mg/L	108	92.7	119
<b>EP002: Dissolved Organic Carbon (DOC) (QCLot: 3497134)</b>								
EP002: Dissolved Organic Carbon	----	1	mg/L	<1	100 mg/L	92.6	83.0	115
<b>EP002: Dissolved Organic Carbon (DOC) (QCLot: 3499159)</b>								
EP002: Dissolved Organic Carbon	----	1	mg/L	<1	100 mg/L	97.4	83.0	115
<b>EP005: Total Organic Carbon (TOC) (QCLot: 3497133)</b>								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	92.6	81.2	110
<b>EP005: Total Organic Carbon (TOC) (QCLot: 3497135)</b>								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	89.2	81.2	110
<b>EP005: Total Organic Carbon (TOC) (QCLot: 3499160)</b>								
EP005: Total Organic Carbon	----	1	mg/L	<1	100 mg/L	96.6	81.2	110
<b>EP008: Chlorophyll (QCLot: 3503382)</b>								
EP008B: Chlorophyll b	----	1	mg/m <sup>3</sup>	<1	----	----	----	----
<b>EP008: Chlorophyll (QCLot: 3503385)</b>								
EP008: Chlorophyll a	----	1	mg/m <sup>3</sup>	<1	20 mg/m <sup>3</sup>	85.0	70.0	130
EP008: Pheophytin a	----	1	mg/m <sup>3</sup>	<1	----	----	----	----

## Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike Concentration	SpikeRecovery(%) MS	Recovery Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number			Low	High
<b>EK055G-SW: Ammonia as N by Discrete Analyser in Saline Water (QCLot: 3498720)</b>							
EM2101488-002	Anonymous	EK055G-SW: Ammonia as N	7664-41-7	0.5 mg/L	108	70.0	130

Sub-Matrix: WATER				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Recovery 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: 3498722)							
EM2101680-013	South Policeman Point/Seagull Island	EK055G-SW: Ammonia as N	7664-41-7	2.5 mg/L	96.0	70.0	130
ED045G: Chloride by Discrete Analyser (QCLot: 3497119)							
EM2101656-001	Anonymous	ED045G: Chloride	16887-00-6	400 mg/L	70.0	70.0	142
ED045G: Chloride by Discrete Analyser (QCLot: 3497124)							
EM2101680-013	South Policeman Point/Seagull Island	ED045G: Chloride	16887-00-6	400 mg/L	# Not Determined	70.0	142
EG052G: Silica by Discrete Analyser (QCLot: 3497122)							
EM2101680-002	US Tauwitschere	EG052G: Reactive Silica	----	5 mg/L	105	80.0	120
EK057G: Nitrite as N by Discrete Analyser (QCLot: 3497118)							
EM2101638-013	Anonymous	EK057G: Nitrite as N	14797-65-0	0.5 mg/L	85.4	80.0	114
EK057G: Nitrite as N by Discrete Analyser (QCLot: 3497123)							
EM2101680-009	Parnka Point	EK057G: Nitrite as N	14797-65-0	0.5 mg/L	101	80.0	114
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 3498719)							
EM2101488-002	Anonymous	EK059G: Nitrite + Nitrate as N	----	0.5 mg/L	94.1	70.0	130
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 3498721)							
EM2101680-013	South Policeman Point/Seagull Island	EK059G: Nitrite + Nitrate as N	----	0.5 mg/L	73.8	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 3497898)							
EM2101644-002	Anonymous	EK061G: Total Kjeldahl Nitrogen as N	----	5 mg/L	108	70.0	130
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser (QCLot: 3497900)							
EM2101680-012	North Jacks Point	EK061G: Total Kjeldahl Nitrogen as N	----	5 mg/L	119	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 3497897)							
EM2101644-002	Anonymous	EK067G: Total Phosphorus as P	----	1 mg/L	108	70.0	130
EK067G: Total Phosphorus as P by Discrete Analyser (QCLot: 3497899)							
EM2101680-012	North Jacks Point	EK067G: Total Phosphorus as P	----	1 mg/L	98.4	70.0	130
EK071G: Reactive Phosphorus as P by discrete analyser (QCLot: 3497121)							
EM2101680-001	Murray Mouth	EK071G: Reactive Phosphorus as P	14265-44-2	0.5 mg/L	104	79.0	123
EP002: Dissolved Organic Carbon (DOC) (QCLot: 3497134)							
EM2101640-002	Anonymous	EP002: Dissolved Organic Carbon	----	100 mg/L	98.1	75.0	117
EP002: Dissolved Organic Carbon (DOC) (QCLot: 3499159)							
EM2101644-006	Anonymous	EP002: Dissolved Organic Carbon	----	100 mg/L	101	75.0	117
EP005: Total Organic Carbon (TOC) (QCLot: 3497133)							
EM2101551-002	Anonymous	EP005: Total Organic Carbon	----	500 mg/L	# 136	76.6	125
EP005: Total Organic Carbon (TOC) (QCLot: 3497135)							



Sub-Matrix: WATER

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Recovery Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP005: Total Organic Carbon (TOC) (QCLot: 3497135) - continued							
EM2101680-008	McGrath Flat North	EP005: Total Organic Carbon	----	100 mg/L	110	76.6	125
EP005: Total Organic Carbon (TOC) (QCLot: 3499160)							
EM2101680-012	North Jacks Point	EP005: Total Organic Carbon	----	100 mg/L	95.1	76.6	125