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Purchase Order: None  
ChemCentre Reference: 15S2229 R0

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**Attention: Adrian Pinder**

**Report on: 14 samples received on 30/03/2016**

<u>LAB ID</u>	<u>Material</u>	<u>Client ID and Description</u>
15S2229 / 001	water	FV020
15S2229 / 002	water	FV021
15S2229 / 003	water	FV022
15S2229 / 004	water	FV023
15S2229 / 005	water	FV024
15S2229 / 006	water	FV025
15S2229 / 007	water	FV026
15S2229 / 008	water	FV027
15S2229 / 009	water	FV028
15S2229 / 010	water	FV029 Jinerabar Pool
15S2229 / 011	water	FV030 Meecardagunna Pool
15S2229 / 012	water	FV031 Moorimoordinina Pool
15S2229 / 013	water	FV032 14 Mile Pool
15S2229 / 014	water	FV034 Coondiner Pool

<u>LAB ID</u>			001	002	003	004
<u>Client ID</u>			FV020	FV021	FV022	FV023
<u>Sampled</u>			09/03/2016	09/03/2016	09/03/2016	09/03/2016
<u>Analyte</u>	<u>Method</u>	<u>Unit</u>				
Alkalinity, total	iALK1WATI	mg/L	80	86	108	52
Bicarbonate	iALK1WATI	mg/L	98	105	132	63
Calcium	iMET1WCICP	mg/L	12.6	16.9	23.8	9.4
Carbonate	iALK1WATI	mg/L	<1	<1	<1	<1
Chloride	iCO1WCDA	mg/L	11	11	22	5
Chlorophyll a	eCHLA1WACO	ug/L	3.9	23	8.5	2.4
Colour, TCU	iCOL1WACO	TCU	31	23	16	19
Electrical Conductivity	iEC1WZSE	mS/m	21.6	21.7	30.2	13.2
Magnesium	iMET1WCICP	mg/L	9.0	7.3	8.2	4.5
Nitrogen, total	iNP1WTFIA	mg/L	1.2	1.7	0.95	0.63
Phaeophytin a	eCHLA1WACO	ug/L	3.9	23	9.3	1.3
Phosphorus, total	iPP1WTFIA	mg/L	0.086	0.12	0.050	0.048
Potassium	iMET1WCICP	mg/L	13.4	16.0	11.1	6.6
Sodium	iMET1WCICP	mg/L	13.0	9.2	23.8	9.4
Sulphate	iCO1WCDA	mg/L	9	9	13	6
Total dissolved solids(grav)	iSOL1WDGR	mg/L	270	180	200	210
TDS (calculated)	iSOL1WDCA	mg/L	120	120	170	73
Turbidity	iTURB1WCZZ	NTU	280	760	130	160

<b>LAB ID</b>	005	006	007	008		
<b>Client ID</b>	FV024	FV025	FV026	FV027		
<b>Sampled</b>	11/03/2016	11/03/2016	12/03/2016	12/03/2016		
<b>Analyte</b>	<b>Method</b>	<b>Unit</b>				
Alkalinity, total	iALK1WATI	mg/L	77	89	64	72
Bicarbonate	iALK1WATI	mg/L	94	108	79	88
Calcium	iMET1WCICP	mg/L	14.4	8.1	13.8	13.5
Carbonate	iALK1WATI	mg/L	<1	<1	<1	<1
Chloride	iCO1WCDA	mg/L	12	31	14	23
Chlorophyll a	eCHLA1WACO	ug/L	7.5	0.7	2.7	4.3
Colour, TCU	iCOL1WACO	TCU	21	61	16	67
Electrical Conductivity	iEC1WZSE	mS/m	20.8	37.7	19.5	23.0
Magnesium	iMET1WCICP	mg/L	7.0	5.0	6.4	7.6
Nitrogen, total	iNP1WTFIA	mg/L	0.96	6.1	0.74	1.4
Phaeophytin a	eCHLA1WACO	ug/L	3.8	0.9	3.3	5.5
Phosphorus, total	iPP1WTFIA	mg/L	0.077	0.39	0.052	0.074
Potassium	iMET1WCICP	mg/L	11.6	13.7	10.9	11.0
Sodium	iMET1WCICP	mg/L	13.5	58.8	12.6	24.0
Sulphate	iCO1WCDA	mg/L	8	32	10	6
Total dissolved solids(grav)	iSOL1WDGR	mg/L	210	390	160	200
TDS (calculated)	iSOL1WDCA	mg/L	110	210	110	130
Turbidity	iTURB1WCZZ	NTU	310	7800	140	150

<b>LAB ID</b>	009	010	011	012		
<b>Client ID</b>	FV028	FV029	FV030	FV031		
<b>Sampled</b>	13/03/2016	13/03/2016	13/03/2016	15/03/2016		
<b>Analyte</b>	<b>Method</b>	<b>Unit</b>				
Alkalinity, total	iALK1WATI	mg/L	104	139	103	113
Bicarbonate	iALK1WATI	mg/L	127	170	125	138
Calcium	iMET1WCICP	mg/L	21.7	24.8	20.7	45.8
Carbonate	iALK1WATI	mg/L	<1	<1	<1	<1
Chloride	iCO1WCDA	mg/L	24	20	11	175
Chlorophyll a	eCHLA1WACO	ug/L	6.4	64	16	5.0
Colour, TCU	iCOL1WACO	TCU	19	19	23	22
Electrical Conductivity	iEC1WZSE	mS/m	30.1	34.2	24.6	95.5
Magnesium	iMET1WCICP	mg/L	11.0	14.1	9.7	14.1
Nitrogen, total	iNP1WTFIA	mg/L	1.1	2.1	1.5	1.1
Phaeophytin a	eCHLA1WACO	ug/L	14	22	6.9	3.0
Phosphorus, total	iPP1WTFIA	mg/L	0.11	0.16	0.12	0.065
Potassium	iMET1WCICP	mg/L	12.4	15.7	13.3	23.8
Sodium	iMET1WCICP	mg/L	20.4	19.9	11.1	120
Sulphate	iCO1WCDA	mg/L	10	<1	<1	97
Total dissolved solids(grav)	iSOL1WDGR	mg/L	220	220	230	510
TDS (calculated)	iSOL1WDCA	mg/L	170	190	140	530
Turbidity	iTURB1WCZZ	NTU	520	58	630	110

<b>LAB ID</b>	013	014
<b>Client ID</b>	FV032	FV034
<b>Sampled</b>	15/03/2016	10/03/2016
<b>Analyte</b>	<b>Method</b>	<b>Unit</b>

<b>LAB ID</b>	013	014
<b>Client ID</b>	FV032	FV034
<b>Sampled</b>	15/03/2016	10/03/2016

Analyte	Method	Unit		
Alkalinity, total	iALK1WATI	mg/L	93	37
Bicarbonate	iALK1WATI	mg/L	113	45
Calcium	iMET1WCICP	mg/L	17.0	5.8
Carbonate	iALK1WATI	mg/L	<1	<1
Chloride	iCO1WCDA	mg/L	22	9
Chlorophyll a	eCHLA1WACO	ug/L	12	5.2
Colour, TCU	iCOL1WACO	TCU	23	200
Electrical Conductivity	IEC1WZSE	mS/m	27.7	10.3
Magnesium	iMET1WCICP	mg/L	8.0	2.5
Nitrogen, total	iNP1WTFIA	mg/L	0.56	0.77
Phaeophytin a	eCHLA1WACO	ug/L	3.2	2.4
Phosphorus, total	iPP1WTFIA	mg/L	0.045	0.11
Potassium	iMET1WCICP	mg/L	11.6	9.2
Sodium	iMET1WCICP	mg/L	25.6	9.0
Sulphate	iCO1WCDA	mg/L	13	3
Total dissolved solids(grav)	iSOL1WDGR	mg/L	200	260
TDS (calculated)	iSOL1WDCA	mg/L	150	56
Turbidity	iTURB1WCZZ	NTU	76	430

Method	Method Description
eCHLA1WACO	Chlorophyll A, B, C and phaeophytin (outsourced)
iALK1WATI	Alkalinity (as CaCO <sub>3</sub> ) and constituents by acid titration (APHA 2320B).
iCO1WCDA	Colourimetric analysis by DA (Discrete Autoanalyser), APHA and in house methods.
iCOL1WACO	Colour by spectrometry (APHA 2120-C)
IEC1WZSE	Electrical conductivity in water compensated to 25C (APHA 2510B).
iMET1WCICP	Total dissolved metals by ICPAES (APHA 3120).
iNP1WTFIA	Total Nitrogen by persulphate digestion and analysis by FIA (APHA 4500N-C,I).
iPP1WTFIA	Total Phosphorus by persulphate digestion and FIA (APHAP-J,G).
iSOL1WDCA	Total Dissolved Solids (TDS) calculated (ECond * 5.5)
iSOL1WDGR	Total dissolved solids (TDS) by gravimetry, dried at 178 - 182 C (APHA 2540C).
iTURB1WCZZ	Turbidity of water by Nephelometer (APHA 3130 B).

Chlorophyll analysis was outsourced to MaFRL (NATA Accreditation 10603).

TDS\_grav is high due to presence of fine iron particules that passed through the filter when analysing TDS\_grav. TDS\_calc is a more accurate measure of the total dissolved salts.

These results apply only to the sample(s) as received. Unless arrangements are made to the contrary, these samples will be disposed of after 30 days of the issue of this report.  
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 12-Apr-2016