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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: EFFLUENT
 Scheme: Delmontvalley WWTW
 Received Date: 14/10/2015

Sample Number	130784		
Sample Description	Delmontvalley WWTW		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date	29/10/2015		
Comment			
	Test	Units	Method No
Ammonia as N	mg/l	C32	0
Chemical Oxygen Demand - DR3900	mg/l	C50	57
Chlorine	mg/l		0.12
E coli waste water(coliert)	MPN/100ML	M01	579
EC @ 25°C	mS/m	C15	39.1
Nitrate as N	mg/l	C53	0.19
Nitrite as N	mg/l	C39	0.03
Ortho phosphate - Aquakem as P	mg/l	C37	0
PH @ 25°C	-	C14	8.11
Solids - Total suspended	mg/l	C46	9

Test List: EFFLUENT
 Scheme: Mayfield Effluent
 Received Date: 01/10/2015

Sample Number	130802		
Sample Description	Mayfield Effluent		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Ammonia as N	mg/l	C32	22.43
Chemical Oxygen Demand - DR3900	mg/l	C50	95
E coli waste water(coliert)	MPN/100ML	M01	>2420
EC @ 25°C	mS/m	C15	140.3
Nitrite as N	mg/l	C39	32.56
Ortho phosphate - Aquakem as P	mg/l	C37	5.29
PH @ 25°C	-	C14	7.99
Solids - Total suspended	mg/l	C46	65





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Report Number: 69723

Test List: EFFLUENT
 Scheme: Mayfield Effluent
 Received Date: 14/10/2015

Sample Number	130782		
Sample Description	Mayfield Effluent		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date	29/10/2015		
Comment			
	Test	Units	Method No
	Ammonia as N	mg/l	C32
	Ammonia as N	mg/l	31.85
	Chemical Oxygen Demand - DR3900	mg/l	C50
	Chemical Oxygen Demand - DR3900	mg/l	62
	Chlorine	mg/l	0.1
	E coli waste water(colifert)	MPN/100ML	M01
	E coli waste water(colifert)	MPN/100ML	238
	EC @ 25°C	mS/m	C15
	EC @ 25°C	mS/m	140.5
	Nitrate as N	mg/l	C53
	Nitrate as N	mg/l	1.38
	Nitrite as N	mg/l	C39
	Nitrite as N	mg/l	1.84
	Ortho phosphate - Aquakem as P	mg/l	C37
	Ortho phosphate - Aquakem as P	mg/l	5.52
	PH @ 25°C	-	C14
	PH @ 25°C	-	7.97
	Solids - Total suspended	mg/l	C46
	Solids - Total suspended	mg/l	17

Test List: EFFLUENT
 Scheme: Mayfield Effluent
 Received Date: 28/10/2015

Sample Number	130959		
Sample Description	Mayfield Effluent		
Sample Received Date	28/10/2015		
Sample Commencement Date	28/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Ammonia as N	mg/l	C32
	Ammonia as N	mg/l	39.9
	Chemical Oxygen Demand - DR3900	mg/l	C50
	Chemical Oxygen Demand - DR3900	mg/l	110
	E coli waste water(colifert)	MPN/100ML	
	E coli waste water(colifert)	MPN/100ML	228
	EC @ 25°C	mS/m	C15
	EC @ 25°C	mS/m	147.2
	Nitrite as N	mg/l	C39
	Nitrite as N	mg/l	2.38
	Ortho phosphate - Aquakem as P	mg/l	C37
	Ortho phosphate - Aquakem as P	mg/l	6.24
	PH @ 25°C	-	C14
	PH @ 25°C	-	7.02





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Report Number: 69723

Test List: FINAL_MK
 Scheme: Allcedale Community Tap WTW
 Received Date: 14/10/2015

Sample Number	130779		
Sample Description	Allcedale Community Tap WTW		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	82.16
Aluminium as Al	µg/l	C09	223.78
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	17.17
Chloride as Cl	mg/l	C34	207.6
Chlorine	mg/l		0.09
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.22
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	68.42
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.16
Hardness (calcium)	mg/l		42.45
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		100
Heterotrophic plate count @35°C	CFU/1ml	M03	8
Iron (total) as Fe	µg/l	C02	104.11
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	13.78
Manganese as Mn	µg/l	C02	5.39
Nickel as Ni	µg/l	C03	6.52
pH - Autotitrator @ 25°C	-	C30	7.15
pH @ Water Treatment Works (Plants)	-		7.2
Potassium as K	mg/l	C01	4.28
Sodium as Na	mg/l	C01	97.38
Sulphate as SO ₄	mg/l	C33	27.09
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	1.85
Turbidity @ WTW	NTU		2.8
Zinc as Zn	µg/l	C02	15.15



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK

Scheme: Alicedale Community Tap WTW

Received Date: 20/10/2015

Sample Number	130858		
Sample Description	Alicedale Community Tap WTW		
Sample Received Date	20/10/2015		
Sample Commencement Date	20/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Ammonia as N	mg/l	C32
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Heterotrophic plate count @35°C	CFU/1ml	
	Magnesium as Mg	mg/l	C01
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO ₄	mg/l	C33
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK
 Scheme: Alicedale Community Tap WTW
 Received Date: 28/10/2015

Sample Number	130964		
Sample Description	Alicedale Community Tap WTW		
Sample Received Date	28/10/2015		
Sample Commencement Date	28/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	156.01
Chlorine	mg/l		0.07
Conductivity - Autotitrator @ 25°C	mS/m	C29	68.73
Faecal coliforms count Membrane Filtration	CFU/100ml		2
Fluoride as F	mg/l	C35	0.13
Heterotrophic plate count @35°C	CFU/1ml	M03	>1000
pH - Autotitrator @ 25°C	-	C30	7.65
pH @ Water Treatment Works (Plants)	-		7.82
Sulphate as SO4	mg/l	C33	19.74
Total coliform bacteria Membrane Filtration	CFU/100ml		67
Total Solids - dissolved	mg/l		343.85
Turbidity	NTU	C16	1.6
Turbidity @ WTW	NTU		1.84



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK

Scheme: Beaufort Str Police Station

Received Date: 01/10/2015

Sample Number	130596		
Sample Description	Beaufort Str Police Station		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment	EMPTY		
	Test	Units	Method No
	Ammonia as N	mg/l	C32
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Magnesium as Mg	mg/l	C01
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



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Report Number: 69723

Test List: FINAL_MK
 Scheme: Beaufort Str Police Station
 Received Date: 14/10/2015

Sample Number	130776		
Sample Description	Beaufort Str Police Station		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	13.6
Aluminium as Al	µg/l	C09	51.35
Ammonia as N	mg/l	C32	0.09
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	4.43
Chloride as Cl	mg/l	C34	52.19
Chlorine	mg/l		0.34
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.09
Copper as Cu	µg/l	C02	36.62
EC - Autotitrator @ 25°C	mS/m	C29	19.05
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.01
Hardness (calcium)	mg/l		10.99
Hardness (magnesium)	mg/l		15.65
Hardness (total)	mg/l		27
Heterotrophic plate count @35°C	CFU/1ml	M03	576
Iron (total) as Fe	µg/l	C02	60.67
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.77
Manganese as Mn	µg/l	C02	4.28
Nickel as Ni	µg/l	C03	5.37
Oil - Autotitrator @ 25°C	-	C30	6.62
pH @ Water Treatment Works (Plants)	-		7.18
Potassium as K	mg/l	C01	0.63
Sodium as Na	mg/l	C01	26.69
Sulphate as SO4	mg/l	C33	9.68
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	0.73
Turbidity @ WTW	NTU		0.8
Zinc as Zn	µg/l	C02	0



Key: (S) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK
 Scheme: Riebeeck Communal Tap
 Received Date: 06/10/2015

Sample Number	130652		
Sample Description	Riebeeck Communal Tap		
Sample Received Date	06/10/2015		
Sample Commencement Date	06/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	97.16
Aluminium as Al	µg/l	C09	27.3
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	8.83
Chloride as Cl	mg/l	C34	128.59
Chlorine	mg/l		0.35
Chromium as Cr	µg/l	C03	0.11
Cobalt as Co	µg/l	C03	0.06
Copper as Cu	µg/l	C02	1.44
EC - Autotitrator @ 25°C	mS/m	C29	56.65
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.24
Hardness (calcium)	mg/l		21.97
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		80
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	9.25
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.46
Manganese as Mn	µg/l	C02	2.01
Nickel as Ni	µg/l	C03	0.02
1 - Autotitrator @ 25°C	-	C30	6.95
pH @ Water Treatment Works (Plants)	-		6.99
Potassium as K	mg/l	C01	1.61
Sodium as Na	mg/l	C01	86.11
Sulphate as SO4	mg/l	C33	19.41
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		283.25
Turbidity	NTU	C16	2.72
Turbidity @ WTW	NTU		3.62
Zinc as Zn	µg/l	C02	2.1





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Report Number: 69723

Test List: FINAL_MK

Scheme: Riebeeck Communal Tap

Received Date: 14/10/2015

Sample Number	130775		
Sample Description	Riebeeck Communal Tap		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	74.94
Aluminium as Al	µg/l	C09	0.16
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	8.93
Chloride as Cl	mg/l	C34	141.42
Chlorine	mg/l		0.81
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.05
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	55.91
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.21
Hardness (calcium)	mg/l		22.22
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		84
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.93
Manganese as Mn	µg/l	C02	43.47
Nickel as Ni	µg/l	C03	10.95
pH - Autotitrator @ 25°C	-	C30	6.68
@ Water Treatment Works (Plants)	-		8.16
Potassium as K	mg/l	C01	1.53
Sodium as Na	mg/l	C01	82.46
Sulphate as SO4	mg/l	C33	18.88
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	1.72
Turbidity @ WTW	NTU		1.79
Zinc as Zn	µg/l	C02	6.46





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Report Number: 69723

Test List: FINAL_MK
 Scheme: Riebeeck Communal Tap
 Received Date: 20/10/2015

Sample Number			130867
Sample Description			Riebeeck Communal Tap
Sample Received Date			20/10/2015
Sample Commencement Date			20/10/2015
Sample Completed Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Ammonia as N	mg/l	C32
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Heterotrophic plate count @35°C	CFU/1ml	
	Magnesium as Mg	mg/l	C01
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK
 Scheme: Environmental Health Office
 Received Date: 01/10/2015

Sample Number	130594		
Sample Description	Environmental Health Office		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Iron (total) as Fe	µg/l	C02
	Lead as Pb	µg/l	C02
	Magnesium as Mg	mg/l	C01
	Manganese as Mn	µg/l	C02
	Nickel as Ni	µg/l	C03
	H - Autotitrator @ 25°C	-	C30
	@ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	
	Zinc as Zn	µg/l	C02



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK
 Scheme: Environmental Health Office
 Received Date: 14/10/2015

Sample Number	130774		
Sample Description	Environmental Health Office		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	8.99
Aluminium as Al	µg/l	C09	187.89
Ammonia as N	mg/l	C32	0.12
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	2.93
Chloride as Cl	mg/l	C34	52.04
Chlorine	mg/l		0.09
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	25.95
EC - Autotitrator @ 25°C	mS/m	C29	18.8
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.02
Hardness (calcium)	mg/l		7.24
Hardness (magnesium)	mg/l		16.06
Hardness (total)	mg/l		23.2
Heterotrophic plate count @35°C	CFU/1ml	M03	3
Iron (total) as Fe	µg/l	C02	75.48
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.88
Manganese as Mn	µg/l	C02	4.16
Nickel as Ni	µg/l	C03	5.64
Oil - Autotitrator @ 25°C	-	C30	6.35
pH @ Water Treatment Works (Plants)	-		6.76
Potassium as K	mg/l	C01	0.6
Sodium as Na	mg/l	C01	26.51
Sulphate as SO4	mg/l	C33	10.18
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	1.43
Turbidity @ WTW	NTU		1.52
Zinc as Zn	µg/l	C02	0



Key: (S) - Subcontracted | (T) - New result | (TT) - Result updated



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Report Number: 69723

Test List: FINAL_MK
 Scheme: Extension 7 Clinic
 Received Date: 01/10/2015

Sample Number	130593		
Sample Description	Extension 7 Clinic		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Aluminium as Al	µg/l	C09	238.31
Ammonia as N	mg/l	C32	0
Arsenium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.7
Chloride as Cl	mg/l	C34	98.04
Chlorine	mg/l		0.54
Chromium as Cr	µg/l	C03	0.74
Cobalt as Co	µg/l	C03	0.08
Copper as Cu	µg/l	C02	5.82
EC - Autotitrator @ 25°C	mS/m	C29	91.9
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.84
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Heterotrophic plate count @35°C	CFU/1ml	M03	26
Iron (total) as Fe	µg/l	C02	102.39
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	24.02
Manganese as Mn	µg/l	C02	2.41
Nickel as Ni	µg/l	C03	16.4
H - Autotitrator @ 25°C	-	C30	8.09
Water Treatment Works (Plants)	-		8.13
Potassium as K	mg/l	C01	3.28
Sodium as Na	mg/l	C01	123.99
Sulphate as SO4	mg/l	C33	58.3
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	1
Total Solids - dissolved	mg/l		459.51
Turbidity	NTU	C16	3.06
Turbidity @ WTW	NTU		4.43
Zinc as Zn	µg/l	C02	2.02



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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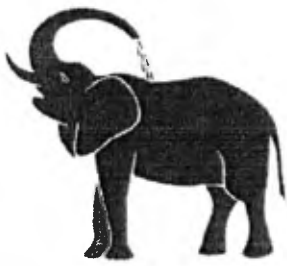
Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: Extension 7 Clinic
 Received Date: 14/10/2015

Sample Number	130773		
Sample Description	Extension 7 Clinic		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	269.2
Aluminium as Al	µg/l	C09	149.02
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.5
Chloride as Cl	mg/l	C34	121.79
Chlorine	mg/l		0.2
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.19
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	85.13
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.78
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Heterotrophic plate count @35°C	CFU/1ml	M03	16
Iron (total) as Fe	µg/l	C02	60.42
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	24.05
Manganese as Mn	µg/l	C02	0.72
Nickel as Ni	µg/l	C03	13.86
Oil - Autotitrator @ 25°C	-	C30	7.78
pH @ Water Treatment Works (Plants)	-		8.65
Potassium as K	mg/l	C01	3.37
Sodium as Na	mg/l	C01	121.17
Sulphate as SO4	mg/l	C33	75.69
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	2.05
Turbidity @ WTW	NTU		2.97
Zinc as Zn	µg/l	C02	0





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Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: Indoor Sports Centre
 Received Date: 01/10/2015

Sample Number			130592
Sample Description			Indoor Sports Centre
Sample Received Date			01/10/2015
Sample Commencement Date			01/10/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	121.1
Ammonia as N	mg/l	C32	0
Lead as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.51
Chloride as Cl	mg/l	C34	97.87
Chlorine	mg/l		0.66
Chromium as Cr	µg/l	C03	0.35
Cobalt as Co	µg/l	C03	0.04
Copper as Cu	µg/l	C02	2.39
EC - Autotitrator @ 25°C	mS/m	C29	91.88
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.63
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Heterotrophic plate count @35°C	CFU/1ml	M03	1
Iron (total) as Fe	µg/l	C02	46.48
Lead as Pb	µg/l	C02	2.38
Magnesium as Mg	mg/l	C01	23.89
Manganese as Mn	µg/l	C02	1.39
Nickel as Ni	µg/l	C03	0.22
EC - Autotitrator @ 25°C	-	C30	8.11
Water Treatment Works (Plants)	-		8.03
Potassium as K	mg/l	C01	3.23
Sodium as Na	mg/l	C01	123.75
Sulphate as SO4	mg/l	C33	58.18
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		459.4
Turbidity	NTU	C16	1.8
Turbidity @ WTW	NTU		3.08
Zinc as Zn	µg/l	C02	0.27



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: Indoor Sports Centre
 Received Date: 14/10/2015

Sample Number	130772		
Sample Description	Indoor Sports Centre		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Iron (total) as Fe	µg/l	C02
	Lead as Pb	µg/l	C02
	Magnesium as Mg	mg/l	C01
	Manganese as Mn	µg/l	C02
	Nickel as Ni	µg/l	C03
	Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	
	Zinc as Zn	µg/l	C02



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Preliminary Water Quality Report

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Report Number: 69723

Test List: FINAL_MK

Scheme: J / Kleinshans Final WTW

Received Date: 01/10/2015

Sample Number	130600		
Sample Description	J / Kleinshans Final WTW		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	158.47
Ammonia as N	mg/l	C32	0
Aradium as Cd	µg/l	C03	0.1
Calcium as Ca	mg/l	C01	32.38
Chloride as Cl	mg/l	C34	97.94
Chlorine	mg/l		0.08
Chromium as Cr	µg/l	C03	0.42
Cobalt as Co	µg/l	C03	0.17
Copper as Cu	µg/l	C02	2.77
EC - Autotitrator @ 25°C	mS/m	C29	92.48
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.62
Hardness (calcium)	mg/l		79.9
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		179
Heterotrophic plate count @35°C	CFU/1ml	M03	318
Iron (total) as Fe	µg/l	C02	69.65
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	23.99
Manganese as Mn	µg/l	C02	1.43
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	8.07
Hardness @ Water Treatment Works (Plants)	-		7.73
Potassium as K	mg/l	C01	3.25
Sodium as Na	mg/l	C01	124.45
Sulphate as SO4	mg/l	C33	58.68
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		482.39
Turbidity	NTU	C16	2.28
Turbidity @ WTW	NTU		3.71
Zinc as Zn	µg/l	C02	1.37



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: J / Kleinshans Final WTW
 Received Date: 06/10/2015

Sample Number	130844		
Sample Description	J / Kleinshans Final WTW		
Sample Received Date	06/10/2015		
Sample Commencement Date	06/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	252.6
Ammonium as Al	µg/l	C09	130.35
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.1
Calcium as Ca	mg/l	C01	31.93
Chloride as Cl	mg/l	C34	109.59
Chlorine	mg/l		0.05
Chromium as Cr	µg/l	C03	0.84
Cobalt as Co	µg/l	C03	0.2
Copper as Cu	µg/l	C02	2.3
EC - Autotitrator @ 25°C	mS/m	C29	83.8
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.58
Hardness (calcium)	mg/l		79.9
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		179
Heterotrophic plate count @35°C	CFU/1ml	M03	106
Iron (total) as Fe	µg/l	C02	68.87
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	23.69
Manganese as Mn	µg/l	C02	0.93
Nickel as Ni	µg/l	C03	0
Oil - Autotitrator @ 25°C	-	C30	8.08
pH @ Water Treatment Works (Plants)	-		7.64
Potassium as K	mg/l	C01	3.15
Sodium as Na	mg/l	C01	121.94
Sulphate as SO4	mg/l	C33	75.74
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		419
Turbidity	NTU	C18	1.38
Turbidity @ WTW	NTU		4.2
Zinc as Zn	µg/l	C02	0.37



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Scientific Services Department

Preliminary Water Quality Report

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Report Number: 69723

Test List: FINAL_MK
 Scheme: J / Kleinshans Final WTW
 Received Date: 14/10/2015

Sample Number	130780		
Sample Description	J / Kleinshans Final WTW		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	308.2
Aluminium as Al	µg/l	C09	29.86
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.84
Chloride as Cl	mg/l	C34	133.24
Chlorine	mg/l		0.1
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.04
Copper as Cu	µg/l	C02	0.33
EC - Autotitrator @ 25°C	mS/m	C29	85.15
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.87
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Heterotrophic plate count @35°C	CFU/1ml	M03	483
Iron (total) as Fe	µg/l	C02	11.5
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	24.17
Manganese as Mn	µg/l	C02	0.31
Nickel as Ni	µg/l	C03	13.78
Oil - Autotitrator @ 25°C	-	C30	7.69
pH @ Water Treatment Works (Plants)	-		8.17
Potassium as K	mg/l	C01	3.35
Sodium as Na	mg/l	C01	120.5
Sulphate as SO4	mg/l	C33	80.38
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	0.61
Turbidity @ WTW	NTU		0.61
Zinc as Zn	µg/l	C02	0



Key: (S) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: J / Kleinshans Final WTW
 Received Date: 20/10/2015

Sample Number	130859		
Sample Description	J / Kleinshans Final WTW		
Sample Received Date	20/10/2015		
Sample Commencement Date	20/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	285.2
Ammonia as N	mg/l	C32	0
Calcium as Ca	mg/l	C01	32.38
Chloride as Cl	mg/l	C34	97.65
Chlorine	mg/l		0.48
EC - Autotitrator @ 25°C	mS/m	C29	86.96
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.83
Hardness (calcium)	mg/l		79.9
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		179
Heterotrophic plate count @35°C	CFU/1ml		161
Magnesium as Mg	mg/l	C01	23.95
pH - Autotitrator @ 25°C	-	C30	8.33
pH @ Water Treatment Works (Plants)	-		8.54
Potassium as K	mg/l	C01	3.38
Sodium as Na	mg/l	C01	120.41
Sulphate as SO4	mg/l	C33	62.54
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	5
Total Solids - dissolved	mg/l		434.78
Turbidity	NTU	C16	0.6
Turbidity @ WTW	NTU		0.84



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - Water is life

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Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: J Street Community Tap
 Received Date: 01/10/2015

Sample Number	130591		
Sample Description	J Street Community Tap		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Aluminium as Al	µg/l	C09	152.46
Ammonia as N	mg/l	C32	0
Ammonium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.83
Chloride as Cl	mg/l	C34	98.28
Chlorine	mg/l		0.57
Chromium as Cr	µg/l	C03	0.49
Cobalt as Co	µg/l	C03	0.05
Copper as Cu	µg/l	C02	2.42
EC - Autotitrator @ 25°C	mS/m	C29	92.59
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.83
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Heterotrophic plate count @35°C	CFU/1ml	M03	1
Iron (total) as Fe	µg/l	C02	59.23
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	24.06
Manganese as Mn	µg/l	C02	1.62
Nickel as Ni	µg/l	C03	0.7
pH - Autotitrator @ 25°C	-	C30	8.13
@ Water Treatment Works (Plants)	-		8.02
Potassium as K	mg/l	C01	3.28
Sodium as Na	mg/l	C01	124.35
Sulphate as SO4	mg/l	C33	58.19
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		482.93
Turbidity	NTU	C16	2.21
Turbidity @ WTW	NTU		3.17
Zinc as Zn	µg/l	C02	1.55



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

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Report Number: 69723

Test List: FINAL_MK
 Scheme: J Street Community Tap
 Received Date: 14/10/2015

Sample Number	130771		
Sample Description	J Street Community Tap		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	250.1
Aluminium as Al	µg/l	C09	154.51
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.66
Chloride as Cl	mg/l	C34	117.07
Chlorine	mg/l		0.14
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.15
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	89.06
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Heterotrophic plate count @35°C	CFU/1ml	M03	5
Iron (total) as Fe	µg/l	C02	63.37
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	24.1
Manganese as Mn	µg/l	C02	0.58
Nickel as Ni	µg/l	C03	14.98
Oil - Autotitrator @ 25°C	-	C30	7.63
pH @ Water Treatment Works (Plants)	-		8.61
Potassium as K	mg/l	C01	3.38
Sodium as Na	mg/l	C01	120.85
Sulphate as SO4	mg/l	C33	72.55
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	1
Turbidity	NTU	C16	2.05
Turbidity @ WTW	NTU		2.91
Zinc as Zn	µg/l	C02	0



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 01/10/2015

Sample Number	130590		
Sample Description	Nonzwakazi Community Tap in		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	70.38
Ammonia as N	mg/l	C32	0
Calcium as Ca	mg/l	C01	17.25
Chloride as Cl	mg/l	C34	157.52
Chlorine	mg/l		0.08
Fluoride as F	mg/l	C35	0.12
Hardness (calcium)	mg/l		42.45
Hardness (magnesium)	mg/l		57.85
Hardness (total)	mg/l		100
Magnesium as Mg	mg/l	C01	13.59
pH @ Water Treatment Works (Plants)	-		7.92
Potassium as K	mg/l	C01	4.26
Sodium as Na	mg/l	C01	98.33
Turbidity @ WTW	NTU		2.42



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 14/10/2015

Sample Number			130770
Sample Description			Nonzwakazi Community Tap In
Sample Received Date			14/10/2015
Sample Commencement Date			14/10/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	206.42
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	17.95
Chloride as Cl	mg/l	C34	190.21
Chlorine	mg/l		0.01
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.12
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	67.09
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.15
Hardness (calcium)	mg/l		44.95
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		103
Heterotrophic plate count @35°C	CFU/1ml	M03	>1000
Iron (total) as Fe	µg/l	C02	89.21
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.24
Manganese as Mn	µg/l	C02	3.83
Nickel as Ni	µg/l	C03	6.37
pH - Autotitrator @ 25°C	-	C30	7.23
pH @ Water Treatment Works (Plants)	-		7.39
Potassium as K	mg/l	C01	4.24
Sodium as Na	mg/l	C01	96.01
Sulphate as SO4	mg/l	C33	24.96
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	1
Turbidity	NTU	C16	1.76
Turbidity @ WTW	NTU		2.48
Zinc as Zn	µg/l	C02	2.1



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 20/10/2015

Sample Number	130862		
Sample Description	Nonzwakazi Community Tap in		
Sample Received Date	20/10/2015		
Sample Commencement Date	20/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	82.28
Ammonia as N	mg/l	C32	0
Calcium as Ca	mg/l	C01	18.5
Chloride as Cl	mg/l	C34	152.44
Chlorine	mg/l		0.14
EC - Autotitrator @ 25°C	mS/m	C29	68.15
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.13
Hardness (calcium)	mg/l		47.44
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		105
Heterotrophic plate count @35°C	CFU/1ml		160
Magnesium as Mg	mg/l	C01	14.1
pH - Autotitrator @ 25°C	-	C30	7.68
pH @ Water Treatment Works (Plants)	-		9.05
Potassium as K	mg/l	C01	4.21
Sodium as Na	mg/l	C01	94.11
Sulphate as SO4	mg/l	C33	19.69
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	7
Total Solids - dissolved	mg/l		340.74
Turbidity	NTU	C16	1.76
Turbidity @ WTW	NTU		1.76



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 01/10/2015

Sample Number	130589		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	84.47
Aluminium as Al	µg/l	C09	3.42
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	9.44
Chloride as Cl	mg/l	C34	121.82
Chlorine	mg/l		0.79
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.11
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	60.18
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.2
Hardness (calcium)	mg/l		23.47
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		85
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	0
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	15.04
Manganese as Mn	µg/l	C02	0.11
Nickel as Ni	µg/l	C03	0.52
Oil and Grease - Autotitrator @ 25°C	-	C30	6.72
pH @ Water Treatment Works (Plants)	-		7.1
Potassium as K	mg/l	C01	1.67
Sodium as Na	mg/l	C01	84.79
Sulphate as SO4	mg/l	C33	16.27
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		300.91
Turbidity	NTU	C16	1.57
Turbidity @ WTW	NTU		1.73
Zinc as Zn	µg/l	C02	63.65





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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 06/10/2015

Sample Number	130646		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	08/10/2015		
Sample Commencement Date	08/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	93.58
Aluminium as Al	µg/l	C09	34.32
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.17
Calcium as Ca	mg/l	C01	8.97
Chloride as Cl	mg/l	C34	135
Chlorine	mg/l		0.31
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.11
Copper as Cu	µg/l	C02	1.72
EC - Autotitrator @ 25°C	mS/m	C29	56.47
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.25
Hardness (calcium)	mg/l		22.47
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		80
Heterotrophic plate count @35°C	CFU/1ml	M03	1
Iron (total) as Fe	µg/l	C02	21.22
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.47
Manganese as Mn	µg/l	C02	2.2
Nickel as Ni	µg/l	C03	0
Oil and Grease - Autotitrator @ 25°C	-	C30	7.02
pH @ Water Treatment Works (Plants)	-		6.95
Potassium as K	mg/l	C01	1.61
Sodium as Na	mg/l	C01	86.63
Sulphate as SO4	mg/l	C33	20.96
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		282.34
Turbidity	NTU	C16	3.24
Turbidity @ WTW	NTU		2.45
Zinc as Zn	µg/l	C02	1.75





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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 14/10/2015

Sample Number			130769
Sample Description			Riebeeck East Network Reservoir
Sample Received Date			14/10/2015
Sample Commencement Date			14/10/2015
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	79.85
Aluminium as Al	µg/l	C09	105.72
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.57
Calcium as Ca	mg/l	C01	9.11
Chloride as Cl	mg/l	C34	137.82
Chlorine	mg/l		2.2
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	2.53
EC - Autotitrator @ 25°C	mS/m	C29	58.52
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.18
Hardness (calcium)	mg/l		22.72
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		85
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	39.46
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.74
Manganese as Mn	µg/l	C02	0.81
Nickel as Ni	µg/l	C03	0.72
Phosphate as P - Autotitrator @ 25°C	-	C30	6.48
Phosphate as P - @ Water Treatment Works (Plants)	-		7.95
Potassium as K	mg/l	C01	1.71
Sodium as Na	mg/l	C01	85.32
Sulphate as SO4	mg/l	C33	18.7
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	22
Turbidity	NTU	C16	2.26
Turbidity @ WTW	NTU		2.45
Zinc as Zn	µg/l	C02	2.21



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 20/10/2015

Sample Number	130861		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	20/10/2015		
Sample Commencement Date	20/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	82.28
Ammonia as N	mg/l	C32	0
Calcium as Ca	mg/l	C01	9.11
Chloride as Cl	mg/l	C34	123.01
Chlorine	mg/l		1.42
EC - Autotitrator @ 25°C	mS/m	C29	57.05
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.3
Hardness (calcium)	mg/l		22.72
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		85
Heterotrophic plate count @35°C	CFU/1ml		<1
Magnesium as Mg	mg/l	C01	14.77
pH - Autotitrator @ 25°C	-	C30	6.96
pH @ Water Treatment Works (Plants)	-		6.43
Potassium as K	mg/l	C01	1.7
Sodium as Na	mg/l	C01	83.43
Sulphate as SO4	mg/l	C33	16.26
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		285.28
Turbidity	NTU	C16	3.96
Turbidity @ WTW	NTU		4.27



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 28/10/2015

Sample Number	130944		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	28/10/2015		
Sample Commencement Date	28/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Ammonia as N	mg/l	C32
			0
	Chloride as Cl	mg/l	C34
			124.4
	Chlorine	mg/l	
			0.58
	Ca - Autotitrator @ 25°C	mS/m	C29
			57.37
	Fluoride as F	mg/l	C35
			0.2
	Heterotrophic plate count @35°C	CFU/1ml	M03
			<1
	pH - Autotitrator @ 25°C	-	C30
			7.01
	pH @ Water Treatment Works (Plants)	-	
			7.36
	Sulphate as SO4	mg/l	C33
			17.05
	Total coliform bacteria Membrane Filtration	CFU/100ml	
			<1
	Total Solids - dissolved	mg/l	
			286.84
	Turbidity	NTU	C16
			2.43
	Turbidity @ WTW	NTU	
			2.55



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: Waainek WTW Final
 Received Date: 01/10/2015

Sample Number	130597		
Sample Description	Waainek WTW Final		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	153.85
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.1
Calcium as Ca	mg/l	C01	2.81
Chloride as Cl	mg/l	C34	44.78
Chlorine	mg/l		1.25
Chromium as Cr	µg/l	C03	0.4
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0.54
EC - Autotitrator @ 25°C	mS/m	C29	20.46
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/l		6.99
Hardness (magnesium)	mg/l		16.88
Hardness (total)	mg/l		24
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	55.56
Lead as Pb	µg/l	C02	0.91
Magnesium as Mg	mg/l	C01	4.09
Manganese as Mn	µg/l	C02	7.64
Nickel as Ni	µg/l	C03	0.99
H - Autotitrator @ 25°C	-	C30	6.01
H @ Water Treatment Works (Plants)	-		6.38
Potassium as K	mg/l	C01	0.7
Sodium as Na	mg/l	C01	27.75
Sulphate as SO4	mg/l	C33	9.63
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		102.3
Turbidity	NTU	C16	1.1
Turbidity @ WTW	NTU		1.35
Zinc as Zn	µg/l	C02	9.27



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK

Scheme: Waainek WTW Final

Received Date: 06/10/2015

Sample Number	130641		
Sample Description	Waainek WTW Final		
Sample Received Date	06/10/2015		
Sample Commencement Date	08/10/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	7.04
Ammonia as N	mg/l	C32	0
cadmium as Cd	µg/l	C03	0.05
Calcium as Ca	mg/l	C01	2.57
Chloride as Cl	mg/l	C34	48.6
Chlorine	mg/l		1.5
Chromium as Cr	µg/l	C03	1.83
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0.7
EC - Autotitrator @ 25°C	mS/m	C29	18.55
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.02
Hardness (calcium)	mg/l		6.49
Hardness (magnesium)	mg/l		15.65
Hardness (total)	mg/l		22.5
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Lead as Pb	µg/l	C02	0.19
Magnesium as Mg	mg/l	C01	3.79
Manganese as Mn	µg/l	C02	7.84
Nickel as Ni	µg/l	C03	0.79
pH - Autotitrator @ 25°C	-	C30	6.24
pH @ Water Treatment Works (Plants)	-		5.75
Potassium as K	mg/l	C01	0.63
Sodium as Na	mg/l	C01	26.43
Sulphate as SO4	mg/l	C33	10.6
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		92.75
Turbidity	NTU	C16	1.12
Turbidity @ WTW	NTU		1.36
Zinc as Zn	µg/l	C02	52.14



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: Waainek WTW Final
 Received Date: 14/10/2015

Sample Number		130777	
Sample Description		Waainek WTW Final	
Sample Received Date		14/10/2015	
Sample Commencement Date		14/10/2015	
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	8.93
Aluminium as Al	µg/l	C09	101.44
Ammonia as N	mg/l	C32	0.18
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	2.7
Chloride as Cl	mg/l	C34	58.32
Chlorine	mg/l		0.26
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.18
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	18
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/l		6.74
Hardness (magnesium)	mg/l		16.06
Hardness (total)	mg/l		22.7
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	42.23
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.92
Manganese as Mn	µg/l	C02	14.28
Nickel as Ni	µg/l	C03	5.69
~H - Autotitrator @ 25°C	-	C30	6.25
~I @ Water Treatment Works (Plants)	-		6.5
Potassium as K	mg/l	C01	0.58
Sodium as Na	mg/l	C01	26.72
Sulphate as SO4	mg/l	C33	11.2
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	1.16
Turbidity @ WTW	NTU		1.4
Zinc as Zn	µg/l	C02	61.18





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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: FINAL_MK
 Scheme: Waainek WTW Final
 Received Date: 20/10/2015

Sample Number	130856		
Sample Description	Waainek WTW Final		
Sample Received Date	20/10/2015		
Sample Commencement Date	20/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	10.08
Aluminium as Al	µg/l	C09	20.87
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	3.21
Chloride as Cl	mg/l	C34	44.06
Chlorine	mg/l		1.07
Chromium as Cr	µg/l	C03	0.05
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	19.37
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.02
Hardness (calcium)	mg/l		7.99
Hardness (magnesium)	mg/l		16.06
Hardness (total)	mg/l		24
Heterotrophic plate count @35°C	CFU/1ml		5
Iron (total) as Fe	µg/l	C02	5.34
Magnesium as Mg	mg/l	C01	3.89
Manganese as Mn	µg/l	C02	12.08
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	6.42
pH @ Water Treatment Works (Plants)	-		5.31
Potassium as K	mg/l	C01	1.52
Sodium as Na	mg/l	C01	26.52
Sulphate as SO4	mg/l	C33	9.23
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		96.85
Turbidity	NTU	C16	0.68
Turbidity @ WTW	NTU		1.31
Zinc as Zn	µg/l	C02	0



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

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Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: J / Kleinshans Raw WTW
 Received Date: 01/10/2015

Sample Number	130601		
Sample Description	J / Kleinshans Raw WTW		
Sample Received Date	01/10/2015		
Sample Commencement Date	01/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	33.06
Chloride as Cl	mg/l	C34	94.83
Chromium as Cr	µg/l	C03	0.58
Cobalt as Co	µg/l	C03	0.08
Copper as Cu	µg/l	C02	1.68
E coli waste water (colifert)	MPN/100ML	M01	4
Fluoride as F	mg/l	C35	0.67
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Iron (total) as Fe	µg/l	C02	0.12
Lead as Pb	µg/l	C02	3.62
Magnesium as Mg	mg/l	C01	24.06
Manganese as Mn	µg/l	C02	0.25
Nickel as Ni	µg/l	C03	0
Potassium as K	mg/l	C01	3.29
Sodium as Na	mg/l	C01	126.46
Sulphate as SO4	mg/l	C33	58.77
Total Solids - dissolved	mg/l		425
Turbidity	NTU	C16	30.6
Zinc as Zn	µg/l	C02	4.08



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 06/10/2015

Sample Number	130645		
Sample Description	J / Kleinshans Raw WTW		
Sample Received Date	06/10/2015		
Sample Commencement Date	06/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	289
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.04
Calcium as Ca	mg/l	C01	31.95
Chloride as Cl	mg/l	C34	105.42
Chromium as Cr	µg/l	C03	2.31
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	1.99
E coli waste water (colifert)	MPN/100ML	M01	4
EC - Autotitrator @ 25°C	mS/m	C15	85.8
Fluoride as F	mg/l	C35	0.69
Hardness (calcium)	mg/l		79.9
Hardness (magnesium)	mg/l		94.71
Hardness (total)	mg/l		175
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	23.39
Manganese as Mn	µg/l	C02	12.79
Nickel as Ni	µg/l	C03	0.04
pH - Autotitrator @ 25°C	-	C14	8.2
Potassium as K	mg/l	C01	3.16
Sodium as Na	mg/l	C01	122.63
Sulphate as SO4	mg/l	C33	74.92
Total Solids - dissolved	mg/l		429
Turbidity	NTU	C16	23.1
Zinc as Zn	µg/l	C02	1.09



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: J / Kleinshans Raw WTW
 Received Date: 14/10/2015

Sample Number	130781		
Sample Description	J / Kleinshans Raw WTW		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	279.2
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.9
Chloride as Cl	mg/l	C34	124.4
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.31
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C15	85.8
Fluoride as F	mg/l	C35	0.81
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Iron (total) as Fe	µg/l	C02	0
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	24.09
Manganese as Mn	µg/l	C02	0
Nickel as Ni	µg/l	C03	14.19
pH - Autotitrator @ 25°C	-	C14	7.74
Potassium as K	mg/l	C01	3.49
Sodium as Na	mg/l	C01	122.89
Sulphate as SO4	mg/l	C33	77.27
Turbidity	NTU	C16	21.6
Zinc as Zn	µg/l	C02	0



Key: (S) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: J / Kleinshans Raw WTW
 Received Date: 20/10/2015

Sample Number			130860
Sample Description			J / Kleinshans Raw WTW
Sample Received Date			20/10/2015
Sample Commencement Date			20/10/2015
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	275.3
Ammonia as N	mg/l	C32	0
Calcium as Ca	mg/l	C01	32.97
Chloride as Cl	mg/l	C34	97.68
E coli waste water(collert)	MPN/100ML	M01	1
EC - Autotitrator @ 25°C	mS/m	C29	86.68
Fluoride as F	mg/l	C35	0.65
Hardness (calcium)	mg/l		82.4
Hardness (magnesium)	mg/l		98.83
Hardness (total)	mg/l		181
Magnesium as Mg	mg/l	C01	24.05
pH Autotitrator @ 25°C	-	C30	8.47
pH @ Water Treatment Works (Plants)	-		8.73
Potassium as K	mg/l	C01	3.46
Sodium as Na	mg/l	C01	123.05
Sulphate as SO4	mg/l	C33	63.31
Total Solids - dissolved	mg/l		433.42
Turbidity	NTU	C16	26.3
Turbidity @ WTW	NTU		30.9



Amatola Water Amanzi - *Water is life*
Scientific Services Department
 Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: Waainek WTW Raw
 Received Date: 01/10/2015

Sample Number		130598	
Sample Description		Waainek WTW Raw	
Sample Received Date		01/10/2015	
Sample Commencement Date		01/10/2015	
Sample Completed Date			
Comment			
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.04
Calcium as Ca	mg/l	C01	3.2
Chloride as Cl	mg/l	C34	43
Chromium as Cr	µg/l	C03	1.75
Cobalt as Co	µg/l	C03	0.2
Copper as Cu	µg/l	C02	0.49
E coli waste water (coliert)	MPN/100ML	M01	5
Fluoride as F	mg/l	C35	0.09
Hardness (calcium)	mg/l		7.99
Hardness (magnesium)	mg/l		16.88
Hardness (total)	mg/l		25
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	4.07
Manganese as Mn	µg/l	C02	4.03
Nickel as Ni	µg/l	C03	0
pH @ Water Treatment Works (Plants)	-		6.41
Potassium as K	mg/l	C01	0.86
Sodium as Na	mg/l	C01	29.84
Sulphate as SO4	mg/l	C33	10.69
Total Solids - dissolved	mg/l		95.2
Turbidity	NTU	C16	21.1
Turbidity @ WTW	NTU		22.4
Zinc as Zn	µg/l	C02	43.2



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: Waainek WTW Raw
 Received Date: 06/10/2015

Sample Number	130642		
Sample Description	Waainek WTW Raw		
Sample Received Date	06/10/2015		
Sample Commencement Date	06/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	12.93
Ammonia as N	mg/l	C32	0
Antimony as Cd	µg/l	C03	0.11
Calcium as Ca	mg/l	C01	3.21
Chloride as Cl	mg/l	C34	48.03
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
E coli waste water (colifert)	MPN/100ML	M01	40
EC - Autotitrator @ 25°C	mS/m	C15	18
Fluoride as F	mg/l	C35	0.12
Hardness (calcium)	mg/l		7.99
Hardness (magnesium)	mg/l		16.06
Hardness (total)	mg/l		24
Iron (total) as Fe	µg/l	C02	0
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.88
Manganese as Mn	µg/l	C02	18.25
Nickel as Ni	µg/l	C03	3.58
pH - Autotitrator @ 25°C	-	C14	8.62
pH @ Water Treatment Works (Plants)	-		5.67
Potassium as K	mg/l	C01	0.88
Sodium as Na	mg/l	C01	28.81
Sulfate as SO4	mg/l	C33	12.62
Total Solids - dissolved	mg/l		90
Turbidity	NTU	C16	28.9
Turbidity @ WTW	NTU		25.3
Zinc as Zn	µg/l	C02	67.25



Key: (s) - Subcontracted | (T) - New result | (TT) - Result updated



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Amatola Water Amanzi - *Water is life*

Scientific Services Department

Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: Waainek WTW Raw
 Received Date: 14/10/2015

Sample Number	130778		
Sample Description	Waainek WTW Raw		
Sample Received Date	14/10/2015		
Sample Commencement Date	14/10/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	12.02
Ammonia as N	mg/l	C32	0.44
Antimony as Sb	µg/l	C03	0
Calcium as Ca	mg/l	C01	3.48
Chloride as Cl	mg/l	C34	57.48
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
E coli waste water (colitert)	MPN/100ML	M01	19
EC - Autotitrator @ 25°C	mS/m	C15	17.8
Fluoride as F	mg/l	C35	0.08
Hardness (calcium)	mg/l		8.74
Hardness (magnesium)	mg/l		16.88
Hardness (total)	mg/l		25.7
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	4.06
Manganese as Mn	µg/l	C02	6.54
Nickel as Ni	µg/l	C03	9.33
pH - Autotitrator @ 25°C	-	C14	6.81
Potassium as K	mg/l	C01	0.89
Sodium as Na	mg/l	C01	30.54
Sulphate as SO4	mg/l	C33	13.53
Turbidity	NTU	C16	27.2
Zinc as Zn	µg/l	C02	63.43



Key: (S) - Subcontracted | (T) - New result | (TT) - Result updated



Amatola Water Amanzi - *Water is life*
Scientific Services Department
 Preliminary Water Quality Report

Report Number: 69723

Test List: RAW_AUD_MK
 Scheme: Waainek WTW Raw
 Received Date: 20/10/2015

Sample Number			130657
Sample Description			Waainek WTW Raw
Sample Received Date			20/10/2015
Sample Commencement Date			20/10/2015
Sample Completed Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Ammonia as N	mg/l	C32
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	E coli waste water (colifert)	MPN/100ML	M01
	EC - Autotitrator @ 25°C	mS/m	C29
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Magnesium as Mg	mg/l	C01
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	