

Preliminary Water Quality Report

Report Number: 69360

Physical Address

Amatola Water Scientific Services Nahoon Dam Complex Postal Address

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Samples Submitted By: Ntombi Tshicilela

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Reported Date: 04/05/2015

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Preliminary Water Quality Report

Report Number: 69360

Test List: EFFLUENT Scheme: Mayfield Effluent Received Date: 01/04/2015

Sample Number			127235
Sample Description			Mayfield Effluen
Analysis Start Date			01/04/2015
Analysis End Date			14/04/2015
Comment			EMPTY
Test	Units	Method No	
Ammonia as N	mg/l	C32	16.27
Chemical Oxygen Demand - DR2800	mg/l	C50	86
Chlorine	mg/l		0.1
oli waste water(colilert)	CFU/100ml	M01	46
€C @ 25°C	mS/m	C15	129.1
Nitrate as N	mg/l		0.94
Nitrite as N	mg/l	C39	0.79
Ortho phosphate - Aquakem	mg/l	C37	2.96
PH @ 25°C	-	C14	7.98
Solids - Total suspended	mg/l	C46	4

Test List: EFFLUENT Scheme: Mayfield Effluent Received Date: 16/04/2015

Sample Number	127059		
Sample Description  Analysis Start Date			Mayfield Effluen
			16/04/2015
Analysis End Date			
Comment			
Test	Units	Method No	
nonia as N	mg/l	C32	7.18
memical Oxygen Demand - DR2800	mg/l	C50	92
Chlorine	mg/l		0.06
E coli waste water(colilert)	CFU/100ml	M01	73
EC @ 25°C	mS/m	C15	11.56
Nitrite as N	mg/l	C39	1.44
Ortho phosphate - Aquakem	mg/l	C37	0.66
PH @ 25°C		C14	8.51



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Alicedale Community Tap WTW

Received Date: 16/04/2015

Sample Number			127075
Sample Description			Alicedale Community Tap WTW
Analysis Start Date	16/04/2015		
Analysis End Date			
Comment			
			1
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Cadmium as Cd	hôų	C03	0.04
Calcium as Ca	mg/i	C01	23.31
ride as CI	mg/l	C34	169.12
Cnlorine	mg/l		1.6
Copper as Cu	μg/l	C02	0.65
EC - Autotitrator	mS/m	C29	77.03
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.06
Hardness (calcium)	mg/l		57.43
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		115
Heterotrophic plate count @35°C	CFU/1ml	M03	1
Lead as Pb	μg/Ι	C02	0
Magnesium as Mg	mg/l	C01	14.2
Manganese as Mn	идл	C02	2.11
pH - Autotitrator	•	C30	7.5
pH @ Water Treatment Works (Plants)			8.42
Potassium as K	mg/l	C01	5.19
Sodium as Na	mg/l	C01	100.28
Sulphate as SO4	mg/l	C33	8.1
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		385.13
Turbidity	NTU	C16	1.46
Jity @ WTW	NTU		1.45
Zinc as Zn	µg/l	C02	25.5



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Alicedale Community Tap WTW

Received Date: 21/04/2015

Sample Number			127109
Sample Description			Alicedale Community Tap WTW
Analysis Start Date			21/04/2015
Analysis End Date			
Comment			-
Test	Units	Method No	-
Cadmium as Cd	μgΛ	C03	0
Calcium as Ca	mg/t	C01	22.01
Chlorine	ng/l		0.36
er as Cu	µg/l	C02	1.38
Autotitrator	mS/m	C29	75.44
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Hardness (calcium)	mg/l		54.93
Hardness (magnesium)	mg/l		57.65
Hardness (total)	mg/l		113
Heterotrophic plate count @35°C	CFU/1ml	M03	20
Lead as Pb	γgų	C02	0
Magnesium as Mg	mg/l	C01	14.25
Manganese as Mn	γgη	C02	2.8
pH - Autotitrator	-	C30	8.16
pH @ Water Treatment Works (Plants)	-		7.8
Potassium as K	mg/l	C01	5.22
Sodium as Na	mg/l	C01	105.33
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		377.2
Turbidity	NTU	C16	2.21
Turbidity @ WTW	NTU		2.71
Zinc as Zn	µg/l	C02	19.19



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Beaufort Str Police Station

Received Date: 01/04/2015

Sample Number			127229
Sample Description			Beaufort Str Police Station
Analysis Start Date	01/04/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/i	C28	28.74
Aluminium as Al	hgvi	C09	7.87
Ammonia as N	mg/l	C32	0.08
Jmium as Cd	hðy	C03	0.03
Calcium as Ca	mg/l	C01	26.63
Chloride as Cl	mg/i	C34	62.96
Chlorine	mg/l		0.01
Copper as Cu	μg/Ι	C02	1.95
EC - Autotitrator	mS/m	C29	26.29
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.02
Hardness (calcium)	mg/l		67.42
Hardness (magnesium)	mg/l		78.24
Hardness (total)	mg/l		145
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	hay	C02	53.81
Lead as Pb	hðy	C02	0.1
Magnesium as Mg	mg/l	C01	18.67
Manganese as Mn	μgΛ	C02	1.11
pH - Autotitrator		C30	7.1
pH @ Water Treatment Works (Plants)	-		7.18
Potassium as K	mg/l	C01	3.07
Sodium as Na	mg/l	C01	107.29
iphate as SO4	mg/l	C33	0.76
and coliform bacteria Membrane Filtration	CFU/100ml	M04	8
Total Solids - dissolved	mg/l		131.45
Turbidity	NTU	C16	0.72
Turbidity @ WTW	NTU		0.87
Zinc as Zn	µg/l	C02	0.34



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Beaufort Str Police Station Received Date: 16/04/2015

Sample Number	le Number			
Sample Description	e Description		Beaufort Str Police Station	
Analysis Start Date	16/04/2015			
Analysis End Date				
Comment				
Test	Units	Method No		
Ammonia as N	mg/l	C32	0.09	
Cadmium as Cd	μд/1	C03	0	
∩alcium as Ca	mg/l	C01	4.75	
oride as CI	mg/l	C34	57.64	
Chlorine	mg/l		0.01	
Copper as Cu	hg/l	C02	35.43	
EC - Autotitrator	mS/m	C29	20.96	
Faecal coliforms count Member Filtration	CFU/100ml	M05	0	
Fluoride as F	mg/l	C35	0.02	
Hardness (calcium)	mg/i		11.99	
Hardness (magnesium)	mg/l		16.47	
Hardness (total)	mg/l		28	
Heterotrophic plate count @35°C	CFU/1ml	M03	34	
Lead as Pb	h0\J	C02	0	
Magnesium as Mg	mg/l	C01	3.98	
Manganese as Mn	h8\J	C02	27	
pH - Autotitrator	•	C30	6.95	
pH @ Water Treatment Works (Plants)	•		7.61	
Potassium as K	mg/l	C01	1.06	
Sodium as Na	mg/l	C01	29.65	
Sulphate as SO4	mg/l	C33	2.69	
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	4	
Total Solids - dissolved	mg/l		104.8	
bidity	NTU	C16	0.68	
⊸arbidity @ WTW	NTU		0.99	
Zinc as Zn	μg/l	C02	4.64	



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Riebeeck Communal Tap Received Date: 01/04/2015

Sample Number			127228
Sample Description	Riebeeck Communa Tap		
Analysis Start Date			01/04/2015
Analysis End Date	PATAL AL TEL PALACET		
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	97.86
Aluminium as Al	h8\J	C09	0.38
Ammonia as N	mg/l	C32	0
Imium as Cd	μg/l	C03	0
Calcium as Ca	mg/I	C01	9.15
Chloride as Cl	mg/l	C34	125.76
Chlorine	mg/l		1.05
Copper as Cu	hg/l	C02	0.06
EC - Autotitrator	mS/m	C29	57.19
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.09
Hardness (calcium)	mg/l		22.97
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		85
Heterotrophic plate count @35°C	CFU/1ml	M03	0
Lead as Pb	hθy	C02	0.91
Magnesium as Mg	mg/l	C01	14.89
Manganese as Mn	μgΛ	C02	136.19
pH - Autotitrator	•	C30	7.09
pH @ Water Treatment Works (Plants)	-		8.04
Potassium as K	mg/l	C01	1.57
Sodium as Na	mg/l	C01	84.46
Sulphate as SO4	mg/l	C33	8.78
*al coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Solids - dissolved	mg/l		286
Turbidity	NTU	C16	2.82
Turbidity @ WTW	NTU		2.63
Zinc as Zn	h8/l	C02	34.82



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Riebeeck Communal Tap Received Date: 16/04/2015

Sample Number	127071		
Sample Description	Riebeeck Communa Tap		
Analysis Start Date			16/04/2015
Analysis End Date			
Comment			
Test	Units	Method No	-
Aluminium as Al	hgvl	C09	20.19
Ammonia as N	mg/l	C32	0.06
Cadmium as Cd	μдЛ	C03	0.03
ium as Ca	mg/l	C01	8.74
Chloride as Cl	mg/l	C34	144.71
Chlorine	mg/l		0.38
Copper as Cu	hgvi	C02	0.99
EC - Autotitrator	mS/m	C29	60.3
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.09
Hardness (calcium)	mg/l		21.72
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		84
Heterotrophic plate count @35°C	CFU/1ml	M03	0
Iron (total) as Fe	hgvl	C02	16.6
Lead as Pb	h8 <sub>\</sub>	C02	0
Magnesium as Mg	mg/l	C01	15.26
Manganese as Mn	hgv	C02	17.08
pH - Autotitrator	-	C30	7.16
pH @ Water Treatment Works (Plants)	17.		8.11
Potassium as K	mg/l	C01	1.64
Sodium as Na	mg/l	C01	94.58
Sulphate as SO4	mg/l	C33	8.87
'al coliform bacteria Membrane Filtration	CFU/100ml	M04	0
al Solids - dissolved	mg/l		301.53
Turbidity	NTU	C16	2.12
Turbidity @ WTW	NTU		2.39
Zinc as Zn	µg/l	C02	26.63



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Environmental Health Office

Received Date: 01/04/2015

Sample Number			127227
Sample Description			Environmental Health Office
Analysis Start Date			01/04/2015
Analysis End Date	* **** ** * *** *** *** ***		
Comment			
Test		10 - 41 - 4 11 -	
Alkalinity - Autotitrator	Units     mg/l	Method No C28	28.62
Aluminium as Al	Ngm	C09	18.55
Ammonia as N	mg/l	C32	0
mium as Cd		C03	0
Calcium as Ca	hay	C03	26.59
Chloride as Cl	mg/l	C01	
	mg/l	U34	64.55
Chlorine	mg/l		0.05
Copper as Cu	h8\/l	C02	4.21
EC - Autotitrator	mS/m	C29	27.16
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.02
Hardness (calcium)	mg/l		67.42
Hardness (magnesium)	mg/l		78.24
Hardness (total)	mg/l		145
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	μg/l	C02	36.1
Lead as Pb	µg/l	C02	1.81
Magnesium as Mg	mg/l	C01	18.59
Manganese as Mn	ha\J	C02	4.83
pH - Autotitrator	-	C30	7.07
pH @ Water Treatment Works (Plants)	-		7.31
Potassium as K	mg/l	C01	3.12
Sodium as Na	mg/l	C01	106.84
∩ Inhate as SO4	mg/l	C33	0.95
. coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		135.8
Turbidity	NTU	C16	1.1
Turbidity @ WTW	NTU		1.43
Zinc as Zn	noy	C02	1.02



78

Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Environmental Health Office

Received Date: 16/04/2015

Sample Number	127070		
Sample Description	Environmental Heal		
Analysis Start Date			16/04/2015
Analysis End Date	Les ve e   1000 -		
Comment			
Test			
Aluminium as Al	h0\lambda	C09	21.53
Ammonia as N	mg/I	C32	0.2
admium as Cd	μgΛ	C03	0.02
icium as Ca	mg/l	C01	3.42
Chloride as CI	mg/l	C34	61.39
Chlorine	mg/l		0.01
Copper as Cu	μgΛ	C02	43.16
EC - Autotitrator	mS/m	C29	20.42
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.02
Hardness (calcium)	mg/l		8.49
Hardness (magnesium)	mg/l		17.3
Hardness (total)	mg/l		25.5
Heterotrophic plate count @35°C	CFU/1ml	M03	2
Iron (total) as Fe	h8/l	C02	15.02
Lead as Pb	Ngu	C02	0.84
Magnesium as Mg	mg/l	C01	4.16
Manganese as Mn	hg/l	C02	18.16
pH - Autotitrator	-	C30	6.66
pH @ Water Treatment Works (Plants)	-		7.51
Potassium as K	mg/l	C01	1.03
Sodium as Na	mg/l	C01	29.6
Sulphate as SO4	mg/l	C33	3.04
tal coliform bacteria Membrane Filtration	CFU/100ml	M04	0
total Solids - dissolved	mg/l		102.1
Turbidity	NTU	C16	1.08
Turbidity @ WTW	NTU	İ	1.58
Zinc as Zn	μg/l	C02	34.64





Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK
Scheme: Extension 7 Clinic
Received Date: 01/04/2015

Sample Number			127226
Sample Description	Extension 7 Clinic		
Analysis Start Date	01/04/2015		
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	mg/l	C28	257
Aluminium as Al	μgΛ	C09	286.47
Ammonia as N	mg/l	C32	0
.dmium as Cd	hg/l	C03	0
Calcium as Ca	mg/l	C01	6.08
Chloride as CI	mg/l	C34	79.76
Chlorine	mg/l		0.25
Copper as Cu	µg/l	C02	21.67
EC - Autotitrator	mS/m	C29	73
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/t	C35	0.35
Hardness (calcium)	mg/l		15.23
Hardness (magnesium)	mg/l		23.47
Hardness (total)	mg/l		38
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	h8\l	C02	190.84
Lead as Pb	hg/l	C02	0.46
Magnesium as Mg	mg/l	C01	5.7
Manganese as Mn	hg/l	C02	279.72
pH - Autotitrator		C30	8.43
pH @ Water Treatment Works (Plants)			7.96
Potassium as K	mg/l	C01	1.27
Sodium as Na	mg/l	C01	37.56
iphate as SO4	mg/l	C33	28.69
otal coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		365
Turbidity	NTU	C16	10.6
Turbidity @ WTW	NTU		11
Zinc as Zn	ha/l	C02	18.7

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

Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK
Scheme: Extension 7 Clinic
Received Date: 16/04/2015

Sample Number			127069
Sample Description	Extension 7 Clinic		
Analysis Start Date			16/04/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Cadmium as Cd	hg/l	C03	0.05
Calcium as Ca	mg/l	C01	27.58
Chloride as CI	mg/l	C34	98.4
Chlorine	mg/l	,	0.01
Copper as Cu	μg/l	C02	2.97
EC - Autotitrator	mS/m	C29	75.66
Faecal coliforms count Member Filtration	CFU/100ml	M05	1
Fluoride as F	mg/l	C35	0.33
Hardness (calcium)	mg/l		69.92
Hardness (magnesium)	mg/l		82.36
Hardness (total)	mg/l		152
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Lead as Pb	hBy	C02	0
Magnesium as Mg	mg/l	C01	19.93
Manganese as Mn	hây	C02	0
pH - Autotitrator	-	C30	8.83
pH @ Water Treatment Works (Plants)	•		8.21
Potassium as K	mg/l		3.18
Sodium as Na	mg/l	C01	114.03
Sulphate as SO4	mg/l	C33	29.45
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	>2420
Total Solids - dissolved	mg/l		378.31
Turbidity	NTU	C16	2.79
irbidity @ WTW	NTU		3.81
Zinc as Zn	μgΛ	C02	0



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Indoor Sports Centre Received Date: 01/04/2015

Sample Number			127225
Sample Description	Indoor Sports Centre		
Analysis Start Date	01/04/2015		
Analysis End Date			Market n
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	271
Aluminium as Al	γgη	C09	23.41
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μд/ι	C03	0
Calcium as Ca	mg/i	C01	6.55
Chloride as Cl	mg/l	C34	79.82
Chlorine	mg/l		0.08
Copper as Cu	hg/l	C02	21.52
EC - Autotitrator	mS/m	C29	72.7
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/i	C35	0.35
Hardness (calcium)	mg/l		16.48
Hardness (magnesium)	mg/l		21.83
Hardness (total)	mg/l		38
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
iron (total) as Fe	h8\J	C02	10.22
Lead as Pb	h8\J	C02	0.09
Magnesium as Mg	mg/l	C01	5.28
Manganese as Mn	ha\J	C02	270.33
pH - Autotitrator		C30	8.44
pH @ Water Treatment Works (Plants)	-		7.94
Potassium as K	mg/l	C01	1.2
Sodium as Na	mg/l	C01	35.35
Sulphate as SO4	mg/l	C33	29.06
otal coliform bacteria Membrane Filtration	CFU/100ml	MO4	0
Total Solids - dissolved	mg/l		363.5
Turbidity	NTU	C16	1.08
Turbidity @ WTW	NTU		1.32
Zinc as Zn	µg/l	C02	6.5



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Indoor Sports Centre Received Date: 16/04/2015

Sample Number			127068
Sample Description	Indoor Sports Centre		
Analysis Start Date	16/04/2015		
Analysis End Date			
Comment			
Test	Units	/ Method No	
Aluminium as Al	μgЛ	C09	23.83
Ammonia as N	mg/i	C32	0
Cadmium as Cd	μgΛ	C03	0.02
Calcium as Ca	mg/l	C01	27.29
Chloride as Cl	mg/l	C34	92.17
Chlorine	mg/f		0.01
Copper as Cu	h8\J	C02	2.11
EC - Autotitrator	mS/m	C29	75.39
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.33
Hardness (calcium)	mg/l		67.42
Hardness (magnesium)	mg/l		82.36
Hardness (total)	mg/l	100	149
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	μg/l	C02	16.1
Lead as Pb	h8\lambda	C02	0
Magnesium as Mg	mg/l	C01	19.73
Manganese as Mn	hg/l	C02	0
pH - Autotitrator	*	C30	8.84
pH @ Water Treatment Works (Plants)			8.27
Potassium as K	mg/l	C01	3.12
Sodium as Na	mg/l	C01	113.56
Sulphate as SO4	mg/l	C33	28.77
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	>2420
stal Solids - dissolved	mg/l		376.93
Turbidity	NTU	C16	0.94
Turbidity @ WTW	NTU		1.3
Zinc as Zn	μαΛ	C02	0



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: J / Kleinshans Final WTW

Received Date: 01/04/2015

Sample Number			127233
Sample Description			J / Kleinshans Final WTW
Analysis Start Date			01/04/2015
Analysis End Date			
Comment	EMPTY		
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	314.8
Aluminium as Al	μgΛ	C09	36.88
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μg/l	C03	0.03
Calcium as Ca	mg/l	C01	8.87
Chloride as Cl	mg/l	C34	91.26
Chlorine	mg/l		0.38
Copper as Cu	μgΛ	C02	32.3
EC - Autotitrator	mS/m	C29	82.5
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.41
Hardness (calcium)	mg/l		22.22
Hardness (magnesium)	mg/l		16.08
Hardness (total)	mg/l		38
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	Ngrt	C02	30.53
Lead as Pb	µg/l	C02	1.52
Magnesium as Mg	mg/l	C01	3.89
Manganese as Mn	hBy	C02	1.58
pH - Autotitrator		C30	8.51
pH @ Water Treatment Works (Plants)			8.97
Polassium as K	mg/l	C01	1.64
Sodium as Na	mg/l	C01	13.59
Sulphate as SO4	mg/l	C33	30.26
otal coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		412,49
Turbidity	NTU	C16	0.89
Turbidity @ WTW	NTU		0.86
Zinc as Zn	μдЛ	C02	69.02



Preliminary Water Quality Report

Report Number: 69360

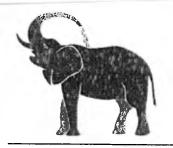
Test List: FINAL\_MK

Scheme: J / Kleinshans Final WTW

Received Date: 07/04/2015

Sample Number			126962
Sample Description			J / Kleinshans Fina WTW
Analysis Start Date	07/04/2015		
Analysis End Date			
Comment		-	<u> </u>
The state of the s			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	273.4
Aluminium as Al	h8\J	C09	48.78
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Jalcium as Ca	mg/l	C01	28.19
Chloride as Cl	mg/l	C34	83.74
Chlorine	mg/l		0.49
Copper as Cu	hB\J	C02	1.15
EC - Autotitrator	mS/m	C29	71.18
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.38
Hardness (calcium)	mg/l		69.92
Hardness (magnesium)	mg/l		78.24
Hardness (total)	mg/l		148
Heterotrophic plate count @35°C	CFU/1ml	M03	7
Iron (total) as Fe	hg/l	C02	27.63
Lead as Pb	hgvl	C02	0.51
Magnesium as Mg	mg/l	C01	18.94
Manganese as Mn	h8\lambda	C02	0.62
pH - Autotitrator	-	C30	8.47
pH @ Water Treatment Works (Plants)	-		8.37
Potassium as K	mg/l	C01	3.03
Sodium as Na	mg/l	C01	109.38
Sulphate as SO4	mg/l	C33	27.22
ntal coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		355.9
Turbidity	NTU	C16	1.17
Turbidity @ WTW	NTU		1.57
Zinc as Zn	µg/l	C02	0





Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: J / Kleinshans Final WTW

Received Date: 16/04/2015

Sample Number			127076
Sample Description			J / Kleinshans Final WTW
Analysis Start Date	16/04/2015		
Analysis End Date	- Blacks		
Comment			
Test	Units	Method No	-
Ammonia as N	mg/l	C32	0.01
Cadmium as Cd	μд/І	C03	0
Calcium as Ca	mg/l	C01	27.27
Chloride as Cl	mg/l	C34	96.91
mine	mg/l		0.14
Copper as Cu	hg/l	C02	0.99
EC - Autotitrator	mS/m	C29	75.51
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.34
Hardness (calcium)	mg/l		67.42
Hardness (magnesium)	mg/l		82.36
Hardness (total)	mg/l		149
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Lead as Pb	hg/l	C02	0
Magnesium as Mg	mg/l	C01	19.81
Manganese as Mn	hay	C02	0
pH - Autotitrator	•	C30	8.76
pH @ Water Treatment Works (Plants)			8.65
Potassium as K	mg/l	C01	3.15
Sodium as Na	mg/l	C01	113.44
Sulphate as SO4	mg/l	C33	28.82
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	>2420
Total Solids - dissolved	mg/l		377.53
Turbidity	NTU	C16	2.62
>~~\dity @ WTW	NTU		4.92
is Zn	µg/l	C02	0



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: J / Kleinshans Final WTW

Received Date: 21/04/2015

Sample Number			127110
Sample Description  Analysis Start Date			J / Kleinshans Fina WTW
			21/04/2015
Analysis End Date			
Comment			
Teet	Units	Method No	
Cadmium as Cd	h0\J	C03	0.04
Calcium as Ca	mg/l	C01	27.87
Chlorine	mg/l		2.14
Copper as Cu	hgn	C02	7.29
Autotitrator	mS/m	C29	79.04
ecal coliforms count Member Filtration	CFU/100ml	M05	0
Hardness (calcium)	mg/l		69.92
Hardness (magnesium)	mg/l		82.36
Hardness (total)	mg/l		152
Heterotrophic plate count @35°C	CFU/1ml	M03	5
Lead as Pb	hØv	C02	0.17
Magnesium as Mg	mg/l	C01	20.14
Manganese as Mn	µg/l	C02	2.04
pH - Autotitrator		C30	8.52
pH @ Water Treatment Works (Plants)			8.76
Potassium as K	mg/l	C01	3.15
Sodium as Na	mg/l	C01	113.43
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		395.21
Turbidity	NTU	C16	2.43
Turbidity @ WTW	NTU		2.45
Zinc as Zn	µg/l	C02	2.01



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: J Street Community Tap Received Date: 01/04/2015

Sample Number			127224	
Sample Description  Analysis Start Date			J Street Communit	
			01/04/2015	
Analysis End Date				
Comment				
Test	Units	Method No		
Alkalinity - Autotitrator	mg/l	C28	257.1	
Aluminium as Al	Мбп	C09	100.31	
Ammonia as N	mg/l	C32	0	
rium as Cd	μg/l	C03	. 0	
um as Ca	mg/l	C01	4.22	
Chloride as CI	mg/l	C34	79.59	
Chlorine	mg/l		0.46	
Copper as Cu	hây	C02	0.66	
EC - Autotitrator	mS/m	C29	73.09	
Faecal coliforms count Member Filtration	CFU/100ml	M05	0	
Fluoride as F	mg/l	C35	0.34	
Hardness (calcium)	mg/l		10.49	
Hardness (magnesium)	mg/l		20.59	
Hardness (total)	mg/l		31	
Heterotrophic plate count @35°C	CFU/1ml	M03	2	
Iron (total) as Fe	h8y	C02	65.31	
Lead as Pb	h8\J	C02	0	
Magnesium as Mg	mg/l	C01	5.04	
Manganese as Mn	μg/l	C02	298.86	
pH - Autotitrator		C30	8.38	
pH @ Water Treatment Works (Plants)	114		7.91	
Potassium as K	mg/l	C01	1.16	
Sodium as Na	mg/l	C01	34.03	
Sulphate as SO4	mg/l	C33	28.76	
coliform bacteria Membrane Filtration	CFU/100ml	MO4	0	
Total Solids - dissolved	mg/l		365.45	
Turbidity	NTU	C16	3.3	
Turbidity @ WTW	NTU		3.85	
Zinc as Zn	hav.	C02	2.8	





Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: J Street Community Tap Received Date: 16/04/2015

Sample Number			127067
Sample Description			J Street Community Tap
Analysis Start Date	16/04/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Aluminium as Al	l/grl	C09	22.94
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μg/l	C03	0.05
'alum as Ca	mg/l	C01	27.47
oride as Cl	mg/l	C34	92.26
Chlorine	mg/l		0.01
Copper as Cu	μg/l	C02	1.31
EC - Autotitrator	mS/m	C29	75.72
Faecal coliforms count Member Filtration	CFU/100mi	M05	1
Fluoride as F	mg/l	C35	0.33
Hardness (calcium)	mg/l		67.42
Hardness (magnesium)	mg/l		82.36
Hardness (total)	mg/l		149
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
tron (total) as Fe	hāvi	C02	15.79
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	19.9
Manganese as Mn	µg/l	C02	0
pH - Autotitrator	-	C30	8.83
pH @ Water Treatment Works (Plants)	-		7.98
Potassium as K	mg/l	C01	3.13
Sodium as Na	mg/I	C01	113.51
Sulphate as SO4	mg/l	C33	28.8
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	>2420
Solids - dissolved	mg/l		378.61
Turbidity	NTU	C16	1.83
Turbidity @ WTW	NTU		2.9
Zinc as Zn	Ngu	C02	0



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 01/04/2015

Sample Number	127223		
Sample Description	Nonzwakazi Community Tap in		
Analysis Start Date			01/04/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	110.6
Aluminium as Al	μg/I	C09	17.92
Ammonia as N	mg/l	C32	0
'⊂nium as Cd	γgu	C03	0
lum as Ca	mg/l	C01	30.84
Chloride as Cl	mg/l	C34	148.35
Chlorine	mg/l		0.1
Copper as Cu	l/grl	C02	6.38
EC - Autotitrator	mS/m	C29	67.3
Faecal coliforms count Member Filtration	CFU/100mi	M05	1
Fluoride as F	mg/l	C35	0.08
Hardness (calcium)	mg/l		77.41
Hardness (magnesium)	mg/l		90.6
Hardness (total)	mg/l		168
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	hð\J	C02	5.38
Lead as Pb	hây	C02	0.37
Magnesium as Mg	mg/l	C01	21.64
Manganese as Mn	μg/l	C02	0.58
pH - Autotitrator	**	C30	8.03
pH @ Water Treatment Works (Plants)	•		7.79
Potassium as K	mg/l	C01	3.33
Sodium as Na	mg/l	C01	120.86
Sulphate as SO4	mg/l	C33	7.36
coliform bacteria Membrane Filtration	CFU/100ml	M04	12
Total Solids - dissolved	mg/l		336.51
Turbidity	NTU	C16	0.95
Turbidity @ WTW	NTU		1.12
Zinc as Zn	µg/l	C02	0.34



Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Riebeeck East Network Resevior

Received Date: 01/04/2015

Sample Number			127222
Sample Description			Riebeeck East Network Resevior
Analysis Start Date			01/04/2015
Analysis End Date			
Comment	A Pro   A P		
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	88.53
Aluminium as Al	hB\l	C09	0.31
Ammonia as N	mg/l	C32	0
ndmium as Cd	µg/l	C03	0.02
Icium as Ca	mg/l	C01	9.84
Chloride as CI	mg/l	C34	124.55
Chlorine	mg/l		0.23
Copper as Cu	hBVI	C02	5.31
EC - Autotitrator	mS/m	C29	56.33
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.07
Hardness (calclum)	mg/l		24.47
Hardness (magnesium)	mg/l		61.77
Hardness (total)	mg/l		86
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	рд/І	C02	451.52
Lead as Pb	hgy	C02	0.62
Magnesium as Mg	mg/l	C01	15.24
Manganese as Mn	h8\J	C02	25.76
pH - Autotitrator		C30	6.88
pH @ Water Treatment Works (Plants)	•		7.89
Potassium as K	mg/l	C01	1.54
Sodium as Na	mg/l	C01	85.71
Sulphate as SO4	mg/l	C33	9.01
1 coliform bactena Membrane Filtration	CFU/100ml	MO4	0
Total Solids - dissolved	mg/l		281.65
Turbidity	NTU	C16	3.43
Turbidity @ WTW	NTU		3.7
Zinc as Zn	μg/l	C02	73.81



91

Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK Scheme: Waainek WTW Final Received Date: 01/04/2015

Sample Number	127230		
Sample Description	Wisainek WTW Final		
Analysis Start Date			
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	18.27
Aluminium as Al	h8\(\mathbb{I}\)	C09	17.16
Ammonia as N	mg/l	C32	0
~~dmium as Cd	hây	C03	0.02
dium as Ca	mg/t	C01	20.52
Chloride as Cl	mg/l	C34	60.77
Chlorine	mg/l		0.85
Copper as Cu	hg/l	C02	2.39
EC - Autotitrator	mS/m	C29	24.4
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/t	C35	0.02
Hardness (calcium)	mg/l		52.44
Hardness (magnesium)	mg/l		53.53
Hardness (total)	mg/l		108
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	Ngu	C02	31.22
Lead as Pb	μgΛ	C02	0.14
Magnesium as Mg	mg/l	C01	12.81
Manganese as Mn	Ngu	C02	0.38
pH - Autotitrator		C30	6.59
pH @ Water Treatment Works (Plants)	•		5.99
Potassium as K	mg/I	C01	5.01
Sodium as Na	mg/l	C01	96.45
Sulphate as SO4	mg/l	C33	0.67
Il coliform bacteria Membrane Filtration	CFU/100ml	M04	0
real Solids - dissolved	mg/l		122
Turbidity	NTU	C16	0.7
Turbidity @ WTW	NTU		1.15
Zinc as Zn	l/Q/I	C02	17.82



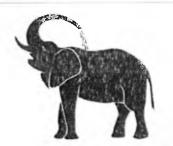
Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Waainek WTW Final Received Date: 07/04/2015

Sample Number			126955
Sample Description	Waainek WTW Final		
Analysis Start Date	07/04/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	10.92
Aluminium as Al	μg/l	C09	227.36
Ammonia as N	mg/l	C32	0
Cedmium as Cd	hðų	C03	0
ium as Ca	mg/l	C01	30.02
Chloride as CI	mg/l	C34	55.86
Chlorine	mg/l		2.69
Copper as Cu	hay	C02	24.43
EC - Autotitrator	mS/m	C29	20.85
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluonde as F	mg/l	C35	0
Hardness (calcium)	mg/l		74.91
Hardness (magnesium)	mg/l		86.48
Hardness (total)	mg/l		161
Heterotrophic plate count @35°C	CFU/1ml	M03	3
Iron (total) as Fe	hBy	C02	193.65
Lead as Pb	h8 <sub>V</sub>	C02	0.92
Magnesium as Mg	mg/l	C01	21.45
Manganese as Mn	μg/l	C02	2.41
pH - Autotitrator		C30	6.3
pH @ Water Treatment Works (Plants)	-		7.04
Potassium as K	mg/l	C01	3.23
Sodium as Na	mg/l	C01	119.82
Sulphate as SO4	mg/l	C33	2.54
' coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Solids - dissolved	mg/l		104.3
Turbidity	NTU	C16	3.96
Turbidity @ WTW	NTU		4.38
Zinc as Zn	μg/t	C02	21.37



9

Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Waainek WTW Final Received Date: 16/04/2015

Sample Number			127073
Sample Description		74.0	Waainek WTW Fina
Analysis Start Date	16/04/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Cadmium as Cd	h8\J	C03	0
Calcium as Ca	mg/l	C01	2.98
িশoride as Cl	mg/l	C34	54.19
orine	mg/l		1.64
Copper as Cu	h8\J	C02	0
EC - Autotitrator	mS/m	C29	19.75
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/l		7.49
Hardness (magnesium)	mg/l		16.47
Hardness (total)	mg/l		23.5
Heterotrophic plate count @35°C	CFU/1ml	M03	1
Lead as Pb	hây	C02	0
Magnesium as Mg	mg/l	C01	4
Manganese as Mn	µg/l	C02	26.09
pH - Autotitrator	-	C30	6.5
pH @ Water Treatment Works (Plants)			7.38
Potassium as K	mg/l	C01	0.96
Sodium as Na	mg/l	C01	29.16
Sulphate as SO4	mg/l	C33	2.54
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		98.75
Turbidity	NTU	C16	0.83
hidity @ WTW	NTU		0.84
نas Zn	μg/l	C02	0.03



94

Preliminary Water Quality Report

Report Number: 69360

Test List: FINAL\_MK

Scheme: Waainek WTW Final Received Date: 21/04/2015

Sample Number			127107		
Sample Description	Waainek WTW Fina				
Analysis Start Date	21/04/2015				
Analysis End Date	Analysis End Date				
Comment					
Test	Units	Method No			
Ammonia as N	mg/l	C32	0		
Cadmium as Cd	μβγ	C03	0.05		
Calcium as Ca	mg/l	C01	5.16		
Chloride as Cl	mg/l	C34	81.5		
rine	Ngm		0.74		
Copper as Cu	μдΛ	C02	0.38		
EC - Autotitrator	mS/m	C29	26.49		
Faecal coliforms count Member Filtration	CFU/100ml	M05	0		
Fluoride as F	mg/l	C35	0.04		
Hardness (calcium)	mg/l		12.98		
Hardness (magnesium)	mg/l		23.47		
Hardness (total)	mg/l		36		
Heterotrophic plate count @35°C	CFU/1ml	M03	6		
Lead as Pb	μg/l	C02	0.83		
Magnesium as Mg	mg/l	C01	5.73		
Manganese as Mn	μg/l	C02	16.76		
pH - Autotitrator	-	C30	7.04		
pH @ Water Treatment Works (Plants)	-		6.97		
Potassium as K	mg/l	C01	1.4		
Sodium as Na	mg/l	C01	36.49		
Sulphate as SO4	mg/l	C33	0.98		
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0		
Total Solids - dissolved	mg/l		132.45		
Turbidity	NTU	C16	2.09		
T- 1lty @ WTW	NTU		2.9		
.s Zn	hg/l	C02	2.76		



95

Preliminary Water Quality Report

Report Number: 69360

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW Received Date: 01/04/2015

Sample Number			127234
Sample Description	J / Kleinshans Raw WTW		
Analysis Start Date			01/04/2015
Analysis End Date	An amount and the committee of the forest designation of the committee of		
Comment	EMPTY		
Test	Units	Method No	_
Alkalinity - Autotitrator	mg/l	C28	286
Ammonia as N	mg/l	C32	0
Chloride as CI	mg/l	C34	74.66
· Autotitrator	mS/m	C15	69.6
ride as F	mg/l	C35	0.34
pH - Autotitrator	*	C14	8.19
Sulphate as SO4	mg/l	C33	30
Total Solids - dissolved	mg/l		348
Turbidity	NTU	C16	73.8

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 07/04/2015

Sample Number			126963
Sample Description			J / Kleinshans Raw WTW
Analysis Start Date	07/04/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	317.5
~monia as N	mg/l	C32	0
ride as Cl	mg/l	C34	79.31
E coli waste water(colilert)	CFU/100ml	M01	20
EC - Autotitrator	mS/m	C15	72
Fluoride as F	mg/l	C35	0.39
pH - Autotitrator	*	C14	8.37
pH @ Water Treatment Works (Plants)			8.54
Sulphate as SO4	mg/l	C33	28.21
Turbidity	NTU	C16	59.1
Turbidity @ WTW	NTU		9.99

Preliminary Water Quality Report

Report Number: 69360

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 16/04/2015

Sample Number			127077
Sample Description	J / Kleinshans Raw WTW		
Analysis Start Date	16/04/2015		
Analysis End Date			
Comment			
Test			
Ammonia as N	mg/l	C32	0
Cadmium as Cd	hay	C03	0.08
Calcium as Ca	mg/l	C01	27.42
Chloride as Cl	mg/l	C34	89.72
າper as Cu	hōų	C02	1.93
i waste water(colilert)	CFU/100ml	M01	4
EC - Autotitrator	mS/m	C15	72.7
Fluoride as F	mg/l	C35	0.32
Hardness (calcium)	mg/l		67.42
Hardness (magnesium)	mg/l		82.36
Hardness (total)	mg/l		149
Lead as Pb	μg/l	C02	0
Magnesium as Mg	mg/l	C01	20.08
Manganese as Mn	hâyl	C02	16.69
pH - Autotitrator	•	C14	8.6
pH @ Water Treatment Works (Plants)			8.75
Potassium as K	mg/l	C01	3.96
Sodium as Na	mg/l	C01	113.04
Sulphate as SO4	mg/l	C33	28.77
Total Solids - dissolved	mg/l		363
Turbidity	NTU	C16	56.2
Turbidity @ WTW	NTU		9.99
Zinc as Zn	µg/l	C02	2.22



Preliminary Water Quality Report

Report Number: 69360

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 21/04/2015

Sample Number	127111		
Sample Description			J / Kleinshans Raw WTW
Analysis Start Date			22/04/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Cadmium as Cd	hô\l	C03	0.08
Calcium as Ca	mg/l	C01	27.92
Copper as Cu	µg/l	C02	1.85
Autotitrator	mS/m	C15	72.9
mirdness (calcium)	mg/l		69.92
Hardness (magnesium)	mg/l		86.48
Hardness (total)	mg/l		156
Lead as Pb	μg/Ι	C02	0.01
Magnesium as Mg	mg/l	C01	20.58
Manganese as Mn	μg/l	C02	29.2
pH - Autotitrator		C14	8.25
Potassium as K	mg/l	C01	4.34
Sodium as Na	mg/l	C01	113.64
Total Solids - dissolved	mg/l		364
Turbidity	NTU	C16	71
Zinc as Zn	μg/l	C02	4.05

Test List: RAW\_AUD\_MK Scheme: Waainek WTW Raw Received Date: 01/04/2015

Sample Number			127231	
mple Description	Wasinek WTW Rav			
Analysis Start Date			01/04/2015	
Analysis End Date	and the same of th			
Comment				
Test	Units	Method No		
Alkalinity - Autotitrator	mg/l	C28	24.21	
Ammonia as N	mg/i	C32	0.01	
Chloride as Cl	mg/l	C34	55,49	
E coli waste water(colilert)	CFU/100ml	MO1	4	
EC - Autotitrator	mS/m	C29	23.28	
Fluoride as F	mg/l	C35	0.02	
pH - Autotitrator	•	C30	6.64	
pH @ Water Treatment Works (Plants)	-		6.02	
Sulphate as SO4	mg/l	C33	0.48	
Total Solids - dissolved	mg/l		116.4	
Turbidity	NTU	C16	15.1	
Turbidity @ WTW	NTU	1	9.99	



Preliminary Water Quality Report

Report Number: 69360

Test List: RAW\_AUD\_MK Scheme: Waainek WTW Raw Received Date: 07/04/2015

Sample Number	126956		
Sample Description	Waainek WTW Raw		
Analysis Start Date	09/04/2015		
Analysis End Date			
Comment			
Test	Units	Method No	100
Alkalinity - Autotitrator	mg/l	C28	19.87
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	47.14
- Autotitrator	mS/m	C15	19.54
de as F	mg/l	C35	0
		C14	7.62
		014	1.02
pH - Autotitrator Sulphate as SO4	mg/l	C33	2.95

Test List: RAW\_AUD\_MK Scheme: Waainek WTW Raw Received Date: 16/04/2015

Sample Number			127074
Sample Description	Waainek WTW Raw 21/04/2015		
Analysis Start Date			
Analysis End Date			
Comment			
Test	Units	Method No	
Ammonia as N	mg/l	C32	0.01
Cadmium as Cd	hg/l	C03	0
Calcium as Ca	mg/l	C01	13.09
de as Cl	mg/t	C34	54.8
Copper as Cu	нал	C02	0.92
EC - Autotitrator	mS/m	C15	20.9
Fluoride as F	mg/I	C35	0
Hardness (calcium)	mg/l		32.46
Hardness (magnesium)	mg/l		38.71
Hardness (total)	mg/l		71
Lead as Pb	hay	C02	0
Magnesium as Mg	mg/l	C01	9.36
Manganese as Mn	μgΛ	C02	2.83
pH - Autotitrator	•	C14	7.46
Potassium as K	mg/l	C01	3.3
Sodium as Na	mg/l	C01	52.07
Sulphate as SO4	mg/i	C33	2.86
Turbidity	NTU	C16	16.4
Zinc as Zn	μg/l	C02	0.54





Preliminary Water Quality Report

Report Number: 69360

Test List: RAW\_AUD\_MK Scheme: Waainek WTW Raw Received Date: 21/04/2015

Sample Number	127108		
Sample Description	Waainek WTW Raw		
Analysis Start Date	21/04/2015		
Analysis End Date			
Comment			1
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.01
Calcium as Ca	mg/l	C01	3.79
ide as Cl	mg/l	C34	66.69
er as Cu	μg/l	C02	0.19
E coli waste water(colilert)	CFU/100ml	M01	40
EC - Autotitrator	mS/m	C15	20.5
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/I		9.49
Hardness (magnesium)	mg/l		18.94
Hardness (total)	mg/l		28.5
Lead as Pb	hg/l	C02	0.75
Magnesium as Mg	mg/l	C01	4.64
Manganese as Mn	μg/l	C02	11.12
pH - Autotitrator		C14	7.16
pH @ Water Treatment Works (Plants)	•		6.72
Potassium as K	mg/l	C01	1.44
Sodium as Na	mg/l	Ç01	30.87
Sulphate as SO4	mg/l	C33	1.81
Total Solids - dissolved	mg/l		102.2
Turbidity	NTU	C16	19.8
Turbidity @ WTW	NTU		23.8
Zinc as Zn	удЛ	C02	2.78