Amatola Water Amanzi - Water is life

Scientific Services Department

Final Water Quality Report

Report Number: 69359

Physical Address

Amatola Water Scientific Services Nahoon Dam Complex

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Samples Submitted By: Ntombi Tshicilela

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Reported Date: 04/05/2015

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Note: The results as they appear in the report pertain to the samples that are taken/ submitted to the lab. The method uncertainty of measurement/detection limits can be obtained from the lab on request.



Final Water Quality Report

Report Number: 69359

Test List: EFFLUENT Scheme: Mayfield Effluent Received Date: 19/03/2015

Sample Number			126639
Sample Description			Mayfield Effluent
Analysis Start Date			19/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Chemical Oxygen Demand - DR2800	mg/l	C50	113
			110
Chlorine	mg/l		0.07
		MO1	
Chlorine E coli waste water(colilert) কু 25°C	mg/l	M01 C15	0.07
E coli waste water(colilert)	mg/l CFU/100ml		0.07 >2420
E coli waste water(colilert) জ 25°C	mg/l CFU/100ml mS/m	C15	0.07 >2420 133.2





4-2

Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Alicedale Community Tap WTW

Received Date: 05/03/2015

Sample Number			126380
Sample Description			
Analysis Start Date			05/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	110.6
Aluminium as Al	µg/l	C09	28.18
Ammonia as N	mg/l	C32	0.24
mony (s)	hg/l		2.00
Arsenic as As (s)	µgЛ		2.00
Bromodichloromethane	µg/l		36.5
Bromoform	µд∕1		13.6
Cadmium as Cd	μд∕І	C03	0
Calcium as Ca	mg/l	C01	22.68
Chloride as CI	mg/l	C34	168.21
Chlorine	mg/l		0.38
Chloroform	h8\J		31
Chromium as Cr	μg/Ι	C03	0.63
Cobalt as Co	μg/l	C03	0.2
Copper as Cu	μgЛ	C02	0.92
Dibromochloromethane	μgΛ		39
EC - Autotitrator	mS/m	C29	75.96
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.15
Hardness (calcium)	mg/l		57.43
Heterotrophic plate count @35°C	CFU/1ml	M03	1
tron (total) as Fe	μg/Ι	C02	12.38
Manganese as Mn	μg/Ι	C02	4.04
** recury as Hg (s)	μg/l		0.50
el as Ni	μg/Ι	C03	4.05
Nitrate as N	mg/l	C53	0
pH - Autotitrator		C30	7.95
pH @ Water Treatment Works (Plants)	4		7.27
Potassium as K	mg/l	C01	5.16
Sodium as Na	mg/l	C01	109.45
Sulphate as SO4	mg/l	C33	9.08
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		379.79
Turbidity	NTU	C16	0.45
Turbidity @ WTW	NTU		0.7
Vanadium (s)	µg/l		10.0
Zinc as Zn	μg/l	C02	30.6

(ev: (s) - Subcontracted



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Alicedale Community Tap WTW

Received Date: 10/03/2015

Sample Number			126435
Sample Description			Alicedale Community Tap WTW
Analysis Start Date	10/03/2015		
Analysis End Date			
Comment			
Tost	Units	Method No	-
Alkalinity - Autotitrator	mg/t	C28	109.2
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μg/l	C03	0.04
um as Ca	mg/l	C01	25.89
oride as CI	mg/i	C34	163.66
Chlorine	mg/l		0.17
Chromium as Cr	μдЛ	C03	0.2
Cobalt as Co	µgЛ	C03	0.11
Copper as Cu	μgЛ	C02	0.18
EC - Autotitrator	mS/m	C29	73.01
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.1
Hardness (calcium)	mg/l		64.92
Hardness (magnesium)	mg/l		70.01
Hardness (total)	mg/l		135
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
_ead as Pb	hBl	C02	0
Magnesium as Mg	mg/l	C01	16.5
Manganese as Mn	μg/l	C02	19.65
Nickel as Ni	µg/l	C03	1.45
oH - Autotitrator	-	C30	8.08
pH @ Water Treatment Works (Plants)			8.51
Potassium as K	mg/l	C01	3.78
Sodium as Na	mg/l	C01	80.55
e as SO4	mg/l	C33	9.03
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Turbidity	NTU	C16	0.57
Turbidity @ WTW	NTU		0.37
Zinc as Zn	µд∕і	C02	1.75



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Beaufort Str Police Station

Received Date: 05/03/2015

Sample Number			126377
Sample Description			Beaufort Str Police Station
Analysis Start Date			06/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	20.92
Aluminium as Al	h8\/l	C09	18.76
Ammonia as N	mg/l	C32	0.01
nony (s)	hBVI		2.00
nic as As (s)	hg/l		2.00
Brornodichloromethane	h8\J		11
Bromoform	hōy		11.9
Cadmium as Cd	μg/Ι	C03	0.13
Calcium as Ca	mg/l	C01	7.72
Chloride as CI	mg/l	C34	61.9
Chlorine	mg/l		0.01
Chloroform	Лдц		14.1
Chromium as Cr	h8/l	C03	0.13
Cobalt as Co	hg/l	C03	0.02
Copper as Cu	իքվ	C02	60.21
Dibromochloromethane	hØt		13.5
EC - Autotitrator	mS/m	C29	26.02
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.04
Hardness (calcium)	mg/l		19.23
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		64
Heterotrophic plate count @35°C	CFU/1ml	M03	136
Iron (total) as Fe	μдΛ	C02	65.34
L : Pb	µg/t	C02	0.36
Magnesium as Mg	mg/I	C01	11.16
Manganese as Mn	μдл	C02	74.27
Mercury as Hg (s)	μgЛ		0.50
Nickel as Ni	μgΛ	C03	4.39
Nitrate as N	mg/l	C53	0
pH - Autotitrator	+	C30	7.33
pH @ Water Treatment Works (Plants)			7.79
Potassium as K	mg/l	C01	1.14
Sodium as Na	mg/l	C01	35.61
Sulphate as SO4	mg/l	C33	2.83
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	1
Total Solids - dissolved	mg/l		130.1
Turbidity	NTU	C16	0.54
Turbidity @ WTW	NTU		1.39
Vanadium (s)	μд/1		10.00
Zinc as Zn	μд/Ι	C02	37.23





Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck Communal Tap

Received Date: 05/03/2015

Sample Number			126376
Sample Description	Riebeeck Communal Tap		
Analysis Start Date	05/03/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	67.79
Aluminium as Al	μgЛ	C09	0.82
Ammonia as N	mg/l	C32	0
nony (s)	µg/l		2.00
Arsenic as As (s)	µg/l		2.00
Bromodichloromethane	hg/l		10.00
Bromoform	µg/l		11.9
Cadmium as Cd	μд/۱	C03	0
Calcium as Ca	mg/l	C01	9.69
Chloride as CI	mg/l	C34	123.42
Chlorine	mg/l		0.91
Chloroform	μgΛ		10.00
Chromium as Cr	μgЛ	C03	0.14
Cobalt as Co	μgЛ	C03	0
Copper as Cu	μgЛ	C02	0.19
Dibromochloromethane	μд/۱		13.5
EC - Autotitrator	mS/m	C29	55.1
Fluoride as F	mg/l	C35	0.11
Hardness (calcium)	mg/l		24.22
ron (total) as Fe	μgЛ	C02	0
Lead as Pb	μgл	C02	0
Manganese as Mn	μgΛ	C02	0
Mercury as Hg (s)	hgvl		0.50
'el as Ni	μg/Ι	C03	9.18
te as N	mg/l	C53	0.2
oH - Autotitrator		C30	7.18
pH @ Water Treatment Works (Plants)			8.05
Potassium as K	mg/l	C01	1.6
Selenium as Se (s)	μg/l		2.00
Sodium as Na	mg/l	C01	81.71
Sulphate as SO4	mg/l	C33	8.42
Total Solids - dissolved	mg/l		275.49
Turbidity	NTU	C16	1.96
Turbidity @ WTW	NTU		2.23
/anadium (s)	μgЛ		10.00
Zinc as Zn	μg/l	C02	132.93







Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck Communal Tap Received Date: 19/03/2015

Sample Number			126642
Sample Description			Riebeeck Communa Tap
Analysis Start Date			19/03/2015
Analysis End Date			
Comment			
Test		Method No	
Alkalinity - Autotitrator	mg/l	C28	90.06
Aluminium as Al	μдЛ	C09	10
Ammonia as N	mg/l	C32	0
nium as Cd	hây	C03	0
Calcium as Ca	mg/l	C01	9.8
Chloride as Cl	mg/l	C34	134.92
Chlorine	mg/l		0.85
Chromium as Cr	µд∕1	C03	1.69
Cobalt as Co	μg/Ι	C03	0.1
Copper as Cu	µg/l	C02	5.24
EC - Autotitrator	mS/m	C29	58.35
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	Ç35	0.12
Hardness (calcium)	mg/l		24.47
Hardness (magnesium)	mg/l		18.12
Hardness (total)	mg/l		42
Heterotrophic plate count @35°C	CFU/1ml	M03	0
iron (total) as Fe	μg/Ι	C02	2.55
Lead as Pb	µg/1	C02	0
Magnesium as Mg	mg/l	C01	4.36
Manganese as Mn	μgЛ	C02	1.43
Nickel as Ni	μgЛ	C03	0.88
Nitrate as N	mg/l	C53	0.1
P - Autotitrator	4	C30	6.82
Water Treatment Works (Plants)			6.85
Potassium as K	mg/l	C01	1.38
Sodium as Na	mg/l	C01	13.47
Sulphate as SO4	mg/l	C33	11.97
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		291.77
Turbidity	NTU	C16	2.68
Turbidity @ WTW	NTU		3.36
Zinc as Zn	μg/Ι	C02	20.85



Key: (s) - Subcontracted \mid ($\overline{\mathsf{T}}$) - New result \mid ($\overline{\mathsf{T}}\overline{\mathsf{T}}$) - Result updated





Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Environmental Health Office

Received Date: 05/03/2015

Sample Number			126375
Sample Description			Environmental Health Office
Analysis Start Date	06/03/2015		
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	mg/i	C28	18.82
Aluminium as Al	µg/l	C09	63,73
Ammonia as N	mg/l	C32	0.02
A ony (s)	μgΛ		2.00
A iic as As (s)	μg/l		2.00
Bromodichloromethane	րმ\/		10.00
Bromoform	µg/l		10.00
Cadmium as Cd	μgЛ	C03	66 44
Calcium as Ca	mg/l	C01	0
Chloride as CI	mg/l	C34	60.93
Chlorine	mg/l		0.01
Chloroform	μдЛ		10,6
Chromium as Cr	μgΛ	C03	1.72
Cobalt as Co	μgΛ	C03	0.04
Copper as Cu	μg/l	C02	60.6
Dibromochloromethane	μдЛ		10.00
EC - Autotitrator	mS/m	C29	25.13
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.04
Hardness (calcium)	mg/l		0
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		44.8
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	μg/	C02	62.31
L(Pb	μgл	C02	1.21
Magnesium as Mg	mg/l	C01	11.03
Manganese as Mn	μgΛ	C02	51.71
Mercury as Hg (s)	μg/1		0.50
Nickel as Ni	μgΛ	C03	0
Nitrate as N	mg/l	C53	0
pH - Autotitrator	-	C30	6.96
pH @ Water Treatment Works (Plants)			7.01
Potassium as K	mg/l	C01	0
Sodium as Na	mg/l	C01	0
Sulphate as SO4	mg/l	C33	2.82
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	2
Total Solids - dissolved	mg/l		125 65
Turbidity	NTU	C16	0.77
Turbidity @ WTW	NTU		2.06
Vanadium (s)	μgЛ		10.00
Zinc as Zn	μgЛ	C02	51.65



(ey: (s) - Subcontracted \mid ($\overline{\mathsf{T}}$) - New result \mid ($\overline{\mathsf{T}}\overline{\mathsf{T}}$) - Result updated





Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK Scheme: Extension 7 Clinic **Received Date: 05/03/2015**

Sample Number			126374
Sample Description			Extension 7 Clinic
Analysis Start Date	06/03/2015		
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	mg/l	C28	274.4
Aluminium as Al	µg/l	C09	61.4
Ammonia as N	mg/l	C32	0.01
A your (s)	μдЛ		2.00
Anc as As (s)	µg/I		3.85
Bromodichloromethane	µg/l		10.00
Bromoform	µg/l		10.00
Cadmium as Cd	μg/l	C03	6.25
Calcium as Ca	mg/l	C01	32.13
Chloride as CI	mg/l	C34	87.46
Chlorine	mg/l		0.43
Chloroform	µg/I		10.00
Chromium as Cr	µg/l	C03	0.54
Cobalt as Co	μg/Ι	C03	0.17
Copper as Cu	μg/Ι	C02	6.98
Dibromochloromethane	μдЛ		10.00
EC - Autotitrator	mS/m	C29	82.25
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.44
Hardness (calcium)	mg/l		79.9
Hardness (magnesium)	mg/l		18.94
Hardness (total)	mg/l		99
Heterotrophic plate count @35°C	CFU/1ml	M03	23
ron (total) as Fe	μg/l	C02	24.29
L¢ Pb	μgЛ	C02	0.21
Magnesium as Mg	mg/l	C01	4.64
Wanganese as Mn	μg/l	C02	5.4
Mercury as Hg (s)	μg/l		0.50
Nickel as Ni	µg/l	C03	13.68
Nitrate as N	mg/l	C53	0.4
oH - Autotitrator	-	C30	8.38
DH @ Water Treatment Works (Plants)			7.39
Potassium as K	mg/l	C01	3.41
Sodium as Na	mg/l	C01	121.01
Sulphate as SO4	mg/l	C33	29.9
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l	-	411.23
Turbidity	NTU	C16	2.45
Turbidity @ WTW	NTU		2.55
Vanadium (s)	μg/ι		10.00
Zinc as Zn	μg/l	C02	3.7





Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: J / Kleinshans Final WTW Received Date: 11/03/2015

Sample Number			126436
Sample Description	J / Kleinshans Final WTW		
Analysis Start Date			11/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	296.2
Aluminium as Al	μg/Ι	C09	76.79
Ammonia as N	mg/l	C32	0
/ ony (s)	μдΛ		2.00
/iic as As (s)	μgΛ		3.73
Bromodichloromethane	μgΛ		10.00
Bromoform	μдЛ		14.7
Cadmium as Cd	hg/l	C03	0
Calcium as Ca	mg/l	C01	17.92
Chloride as Cl	mg/l	C34	88.51
Chloroform	μдΛ		10.0
Chromium as Cr	µg/l	C03	0.13
Cobalt as Co	μg/Ι	C03	0.98
Copper as Cu	h8\J	C02	0
Dibromochloromethane	μg/Ι		15
EC - Autotitrator	mS/m	C29	80.26
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/t	C35	0.4
Hardness (calcium)	mg/l		44.95
Heterotrophic plate count @35°C	CFU/1ml	M03	4
Lead as Pb	μg/l	C02	0
Mercury as Hg (s)	µg/l		0.50
Nickel as Ni	μgΛ	C03	6.23
Nitrate as N	mg/I	C53	0.3
pł otitrator		C30	8.45
pH @ Water Treatment Works (Plants)	+		8.18
Potassium as K	mg/l	C01	2.84
Sodium as Na	mg/I	C01	78.15
Sulphate as SO4	mg/l	C33	29.59
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Turbidity	NTU	C16	0.53
Turbidity @ WTW	NTU		80.2
Vanadium (s)	μg/l		10.0
Zinc as Zn	μαл	C02	162.95



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: J / Kleinshans Final WTW Received Date: 19/03/2015

Sample Number			126650
Sample Description	J / Kleinshans Final WTW		
Analysis Start Date			19/03/2015
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	mg/l	C28	326
Aluminium as Al	µg/l	C09	6.22
Ammonia as N	mg/I	C32	0
○ nium as Cd	μgΛ	C03	0
um as Ca	mg/l	C01	5.95
Chloride as Cl	mg/l	C34	98.03
Chlorine	mg/l		0.45
Chromium as Cr	µg/l	C03	0.75
Cobalt as Co	μgЛ	C03	0.69
Copper as Cu	µg/l	C02	2.47
EC - Autotitrator	mS/m	C29	81.7
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.37
Hardness (calcium)	mg/l		14.98
Hardness (magnesium)	mg/f		26.36
Hardness (total)	mg/l		41
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	μд/۱	C02	0.9
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	6.42
Manganese as Mn	μд∕і	C02	366.46
Nickel as Ni	μgΛ	C03	0
Nitrate as N	mg/l	C53	0.2
pH - Autotitrator		C30	8.6
pl /ater Treatment Works (Plants)			8.56
Potassium as K	mg/l	C01	1.35
Sodium as Na	mg/l	C01	38.73
Sulphate as SO4	mg/l	C33	45.25
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		408.52
Turbidity	NTU	C16	1.21
Turbidity @ WTW	NTU		1.55
Zinc as Zn	μg/l	C02	4.48



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Scientific Services Department

Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: J / Kleinshans Final WTW

Received Date: 24/03/2015

Sample Number			126684
Sample Description	J / Kleinshans Final WTW		
Analysis Start Date	24/03/2015		
Analysis End Date			
Comment			
Test			
Alkatinity - Autotitrator	mg/l	Method No C28	306.1
Aluminium as Al	μg/l	C09	41.33
Ammonia as N	mg/I	C32	0
ium as Cd	µg/l	C03	0.02
Cancium as Ca	mg/l	C01	16.35
Chloride as CI	mg/l	C34	89.04
Chlorine	mg/l		0.05
Cobalt as Co	µg/l	C03	0.53
Copper as Cu	μgЛ	C02	9.03
EC - Autotitrator	mS/m	C29	66.45
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.4
Hardness (calcium)	mg/l		39.95
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		85
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	µg/l	C02	415.82
Lead as Pb	μg/Ι	C02	0
Magnesium as Mg	mg/I	C01	11.14
Manganese as Mn	µд∕1	C02	3.26
Nickel as Ni	µg/l	C03	2.8
pH - Autotitrator		C30	8.66
oH @ Water Treatment Works (Plants)			9.44
Potassium as K	mg/l	C01	3.4
n as Na	mg/l	C01	58.43
Sulphate as SO4	mg/l	C33	30.43
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	219
Total Solids - dissolved	mg/l		332.28
Furbidity	NTU		0.85
Furbidity @ WTW	NTU		1.77
Zinc as Zn	μgЛ	C02	7.34







Amatola Water Amanzi - Water is life

Scientific Services Department

Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: J Street Community Tap Received Date: 05/03/2015

Sample Number			126372
Sample Description			J Street Community Tap
Analysis Start Date			06/03/2015
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	mg/l	C28	279.2
Aluminium as Al	μg/Ι	C09	51.55
Ammonia as N	mg/l	C32	0.01
^ ony (s)	μg/Ι		2.0
ic as As (s)	μg/Ι		3.81
Bromodichloromethane	µg/l		13.3
Bromoform	μg/Ι		18.7
Cadmium as Cd	идл	C03	84.67
Calcium as Ca	mg/l	C01	32.06
Chloride as Cl	mg/l	C34	89.85
Chlorine	mg/l		0.41
Chloroform	μg/l		10.0
Chromium as Cr	µg/l	C03	0.41
Cobalt as Co	μg/l	C03	0.31
Copper as Cu	μg/Ι	C02	14.71
Dibromochloromethane	μg/Ι		26
EC - Autotitrator	mS/m	C29	82.35
aecal coliforms count Member Filtration	CFU/100ml	M05	0
luoride as F	mg/l	C35	0.43
fardness (calcium)	mg/l		79.9
leterotrophic plate count @35°C	CFU/1ml	M03	31
ron (total) as Fe	μgΛ	C02	19.06
Nanganese as Mn	hgvl	C02	5.74
Aercury as Hg (s)	hBl		0.50
s Ni	μgЛ	C03	13.83
litrate as N	mg/l	C53	0.5
H - Autotitrator		C30	8.32
H @ Water Treatment Works (Plants)	-		7.48
Potassium as K	mg/l	C01	3.42
Gelenium as Se (s)	μg/Ι		2.00
Sodium as Na	mg/l	C01	121.24
Sulphate as SO4	mg/l	C33	29.82
otal coliform bacteria Membrane Filtration	CFU/100ml	M04	0
otal Solids - dissolved	mg/l		411.76
urbidity	NTU	C16	1.41
urbidity @ WTW	NTU		3.35
/anadium (s)	Λgų		10.00
Zinc as Zn	μg/l	C02	9.35







Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 05/03/2015

Sample Number	126371		
Sample Description	Nonzwakazi Community Tap in		
Analysis Start Date	05/03/2015		
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	Units mg/l	Method No	110.9
Aluminium as Al	μg/l	C09	17.94
Ammonia as N	mg/l	C32	0.01
mony (s)	μgΛ	+	2.00
enic as As (s)	μg/I		2.0
Bromodichloromethane	h8\J	+	16
Bromoform	µg/l		10.0
Cadmium as Cd	hay.	C03	11.08
Calcium as Ca	mg/l	C01	23.11
Chloride as CI	mg/l	C34	168.12
Chloroform	μg/l	004	11.5
Chromium as Cr	µg/l	C03	0.16
Cobalt as Co	µg/l	C03	0
Copper as Cu	рд/	C02	11.51
Dibromochloromethane	hay		18
EC - Autotitrator	mS/m	C29	75.03
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.12
Hardness (calcium)	mg/l		57.43
Heterotrophic plate count @35°C	CFU/1ml	M03	1001
Iron (total) as Fe	µg/l	C02	4.9
Manganese as Mn	μg/l	C02	3.5
Mercury as Hg (s)	µg/l	000	0.50
Nickel as Ni	hd\J	C03	4.19
as N	mg/l	C53	0.3
pH - Autotitrator	gri	C30	8.08
oH @ Water Treatment Works (Plants)			7.32
Potassium as K	mg/l	C01	5.29
Selenium as Se (s)	µg/l	35.	2.00
Sodium as Na	mg/l	C01	109.54
Sulphate as SO4	mg/l	C33	8.73
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	2
Total Solids - dissolved	mg/I		375.13
Furbidity	NTU	C16	0.47
Furbidity @ WTW	NTU	510	0.59
Vanadium (s)	ηgη		10.00
Zinc as Zn	рул	C02	22.88





Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 20/03/2015

Sample Number	126905		
Sample Description Analysis Start Date			Nonzwakazi Community Tap in
			22/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	107
Aluminium as Al	μgЛ	C09	6 09
Ammonia as N	mg/l	C32	0.01
nium as Cd	μg/l	C03	0.02
.um as Ca	mg/l	C01	18.8
Chloride as Cl	mg/l	C34	187_89
Chromium as Cr	μgЛ	C03	0.6
Cobalt as Co	μgЛ	C03	0
Copper as Cu	μgЛ	C02	3.96
EC - Autotitrator	mS/m	C29	77.76
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.1
Hardness (calcium)	mg/l		47.44
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		92
Heterotrophic plate count @35°C	CFU/1ml	M03	356
ron (total) as Fe	µgл	C02	2.43
Lead as Pb	μgЛ	C02	0
Magnesium as Mg	mg/l	C01	10.76
Manganese as Mn	μдл	C02	2.09
Nickel as Ni	μдл	C03	6.19
Nitrate as N	mg/l	C53	0.3
pH - Autotitrator		C30	8.05
Potassium as K	mg/l	C01	4 09
s as Na	mg/l	C01	61 95
Sulphate as SO4	mg/l	C33	13.19
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		388.81
Turbidity	NTU	C16	0 44
Zinc as Zn	μgЛ	C02	22.21



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck East Network Resevior

Received Date: 05/03/2015

Sample Number			126370
Sample Description			Riebeeck East Network Resevior
Analysis Start Date			05/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	69.64
Aluminium as Al	μдЛ	C09	1.1
^~monia as N	mg/l	C32	0.06
nony (s)	μgЛ		2.00
Arsenic as As (s)	µg∕l		2.00
Bromodichloromethane	µgЛ		10.0
Bromoform	μдЛ		10.8
Cadmium as Cd	μдЛ	C03	0.04
Calcium as Ca	mg/l	C01	9.36
Chloride as Cl	mg/l	C34	122.71
Chlorine	mg/l		1.41
Chloroform	μg/l		10.00
Chromium as Cr	μg/l	C03	0
Cobalt as Co	μgЛ	C03	0
Copper as Cu	μдЛ	C02	0.01
Dibromochloromethane	μд/۱		10.00
EC - Autotitrator	mS/m	C29	54.9
Fluoride as F	mg/l	C35	0.12
Hardness (calcium)	mg/l		23.47
Iron (total) as Fe	µg/l	C02	0.9
Lead as Pb	μдЛ	C02	0
Magnesium as Mg	mg/l	C01	1.76
Manganese as Mn	μдЛ	C02	0.03
cury as Hg (s)	μg/l		0.50
rackel as Ni	нду	C03	7.56
Nitrate as N	mg/l	C53	0.7
pH - Autotitrator		C30	7.02
pH @ Water Treatment Works (Plants)			7.87
Potassium as K	mg/l	C01	1.64
Selenium as Se (s)	µg/l		2.0
Sodium as Na	mg/l	C01	81.4
Sulphate as SO4	mg/l	C33	8.3
Total Solids - dissolved	mg/l		274.5
Turbidity	NTU	C16	3.04
Turbidity @ WTW	NTU		3.15
Vanadium (s)	μg/Ι		10.0
Zinc as Zn	μg/l	C02	127.96



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck East Network Resevior

Received Date: 19/03/2015

Sample Number			126633
Sample Description			Riebeeck East Network Resevior
Analysis Start Date	19/03/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	86.68
Aluminium as Al	hg/l	C09	8.73
monia as N	mg/l	C32	0
amium as Cd	μg/l	C03	19.69
Calcium as Ca	mg/l	C01	1.06
Chloride as CI	mg/l	C34	125.4
Chlorine	mg/l		0.01
Chromium as Cr	μgΛ	C03	0.53
Cobalt as Co	µg/l	C03	0.13
Copper as Cu	µgЛ	C02	31.95
EC - Autotitrator	mS/m	C29	57.13
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.12
Hardness (calcium)	mg/l		2.75
Hardness (magnesium)	mg/l		1.15
Hardness (total)	mg/l		4
Heterotrophic plate count @35°C	CFU/1ml	M03	0
Iron (total) as Fe	μg/l	C02	5.18
Lead as Pb	μgЛ	C02	0.81
Magnesium as Mg	mg/l	C01	0.28
Manganese as Mn	hg/l	C02	16.28
Nickel as Ni	µg/l	C03	0
Nitrate as N	mg/l		0.2
- Autotitrator		C30	7.04
pH @ Water Treatment Works (Plants)			6.89
Potassium as K	mg/l	C01	0.07
Sodium as Na	mg/l	C01	1.23
Sulphate as SO4	mg/l	C33	11.13
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		285.66
Turbidity	NTU	C16	2.04
Turbidity @ WTW	NTU		2.24
Zinc as Zn	μgΛ	C02	32.99



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Waainek WTW Final Received Date: 05/03/2015

Sample Number	126378		
Sample Description	Waainek WTW Fina		
Analysis Start Date	05/03/2015		
Analysis End Date			
Comment			
Test			
Alkalinity - Autotitrator	(Units	Method No	00.00
Atuminium as Al	mg/l		22.82
Ammonia as N	µg/l	C09	10.81
r ny (s)	mg/l	C32	0.02
Arsenic as As (s)	µg/l		2.00
Bromodichloromethane	µg/l		2.00
Bromodicinoromethane Bromoform	Лен		10.00
Calcium as Ca	μg/l	004	10.00
	mg/l	C01	5.19
Chloride as CI	mg/l	C34	55.6
Chlorine	mg/l		0.05
Chloroform	hg/l		10.00
Chromium as Cr	hã\J	C03	0.17
Cobalt as Co	µg∕l	C03	0.26
Copper as Cu	μg/I	C02	14.33
Dibromochloromethane	μβγ		10.00
EC - Autotitrator	mS/m	C29	24.59
aecal coliforms count Member Filtration	CFU/100ml	M05	0
fluoride as F	mg/l	C35	0.04
Hardness (calcium)	mg/l		12.98
leterotrophic plate count @35°C	CFU/1ml	M03	216
ron (total) as Fe	իքվ	C02	8.72
Manganese as Mn	hg/l	C02	164.51
fercury as Hg (s)	μg/l		0.50
lickol as Ni	μg/l	C03	4.59
li is N	mg/l	C53	0
H - Autotitrator		C30	7.07
H @ Water Treatment Works (Plants)			6.49
otassium as K	mg/l	C01	1.17
odium as Na	mg/l	C01	35.72
sulphate as SO4	mg/l	C33	3.12
otal coliform bacteria Membrane Filtration	CFU/100ml	M04	179
otal Solids - dissolved	mg/l		122.95
urbidity	NTU	C16	0.86
urbidity @ WTW	NTU		1.07
/anadium (s)	µg/l		10.00
linc as Zn	μg/ι	C02	15.92



Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Waainek WTW Final Received Date: 10/03/2015

Sample Number	1 264 33		
Sample Description			Waainek WTW Final
Analysis Start Dale			11/03/2015
Analysis End Date			
Comment			
Test	1.64-26-		
Alkalinity - Autotitrator	Units mg/l	Method No	70.9
Aluminium as Al		C09	24.7
Ammonia as N	hgvi	C32	0
	mg/l		-
n as Ca	mg/l	C01	18.03
Chronde as Cl	mg/l	C34	144.86
Chlorine	mg/l		0.31
Chromium as Cr	hg/l	C03	0
Cobalt as Co	μg/l	C03	1.02
Copper as Cu	μg/Ι	C02	4.48
EC - Autotitrator	mS/m	C29	58,37
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.04
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	0
ron (total) as Fe	μgΛ	C02	59.97
ead as Pb	µg/1	C02	0
Magnesium as Mg	mg/l	C01	14.08
Manganese as Mn	μg/l	C02	27.96
Nickel as Ni	μgЛ	C03	6.04
Nitrate as N	mg/l	C53	0
pH - Autotitrator		C30	7.05
oH @ Water Treatment Works (Plants)			6.95
Pc im as K	mg/l	C01	2.84
Sodium as Na	mg/l	C01	76.66
Sulphate as SO4	mg/l	C33	3.16
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Turbidity	NTU	C16	0.7
Turbidity @ WTW	NTU		1.07
Zinc as Zn	μg/Ι	C02	8.01





Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK

Scheme: Waainek WTW Final Received Date: 20/03/2015

Sample Number	126899		
Sample Description Analysis Start Date			Waainek WTW Fina
			22/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	30.6
Aluminium as Al	μg/Ι	C09	64.84
Ammonia as N	mg/l	C32	0.07
nium as Cd	μg/Ι	C03	0
cium as Ca	mg/l	C01	5.67
Chloride as CI	mg/l	C34	76.48
Chromium as Cr	hgvl	C03	1.65
Cobalt as Co	μgЛ	C03	0.08
Copper as Cu	μд/1	C02	35.98
EC - Autotitrator	mS/m	C29	28.45
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.04
Hardness (calcium)	mg/l		14.23
Hardness (magnesium)	mg/l		7
Hardness (total)	mg/l		21
Heterotrophic plate count @35°C	CFU/1ml	M03	1
ron (total) as Fe	μgЛ	C02	57.84
ead as Pb	μg/l	C02	0
Magnesium as Mg	mg/l	C01	1.7
Manganese as Mn	μg/Ι	C02	3.2
Nickel as Ni	μд/	C03	14.63
Nitrate as N	mg/l	C53	0.3
pH - Autotitrator		C30	6.91
Potassium as K	mg/l	C01	0.65
n as Na	mg/l	C01	5.37
Sulphate as SO4	mg/l	C33	4.27
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	1
Total Solids - dissolved	mg/l		142.25
Furbidity	NTU	C16	0.65
Zinc as Zn	μg/l	C02	14.31







Final Water Quality Report

Report Number: 69359

Test List: FINAL_MK Scheme: Waainek WTW Final Received Date: 24/03/2015

Sample Number	126681		
Sample Description			Waainek WTW Fina
Analysis Start Date	24/03/2015		
Analysis End Date			
Comment			
Test	-		
Alkalinity - Autotitrator	Units mg/l	Method No	82.33
Aluminium as Al	µg/l	C09	12.93
Ammonia as N	mg/l	C32	0.23
mium as Cd	μgЛ	C03	0.05
oencium as Ca	mg/l	C01	24.3
Chloride as CI	mg/l	C34	142.38
Chlorine	mg/l		0.21
Cobalt as Co	μgΛ	C03	0.09
Copper as Cu	µg/l	C02	5.11
EC - Autotitrator	mS/m	C29	58.8
Faecal coliforms count Member Filtration	CFU/100ml	M05	1
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/l		59.93
Hardness (magnesium)	mg/l		65.89
Hardness (total)	mg/l		126
Heterotrophic plate count @35°C	CFU/1ml	M03	219
Iron (total) as Fe	μgЛ	C02	5.41
Lead as Pb	μд/1	C02	0.02
Magnesium as Mg	mg/l	C01	15.53
Manganese as Mn	μg/	C02	12.84
Nickel as Ni	µg/l	C03	2.47
pH - Autotitrator		C30	7.4
pH @ Water Treatment Works (Plants)	+		7.66
Potassium as K	mg/l	C01	3.51
ım as Na	mg/I	C01	76.59
Sulphate as SO4	mg/l	C33	3.3
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	82
Total Solids - dissolved	mg/l		294.03
Furbidity	NTU		2.35
Turbidity @ WTW	NTU		2.64
Zinc as Zn	μg/l	C02	16.78





6

Final Water Quality Report

Report Number: 69359

Test List: RAW_AUD_MK

Scheme: J / Kleinshans Raw WTW Received Date: 11/03/2015

Sample Number			126437
Sample Description	J / Kleinshans Raw WTW		
Analysis Start Date			11/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	-
Alkalinity - Autotitrator	mg/l	C28	301.9
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μg/l	C03	0
ium as Ca	mg/l	C01	31.92
onromium as Cr	μg/l	C03	0.39
Cobalt as Co	µg/I	C03	0.2
Copper as Cu	μgΛ	C02	2.31
E coli waste water(colilert)	CFU/100ml	M01	2
Hardness (calcium)	mg/l		79.9
ron (total) as Fe	μд/Ι	C02	0
_ead as Pb	μдΛ	C02	0
Manganese as Mn	μд∕І	C02	1.39
Nickel as Ni	μдЛ	C03	14.07
Nitrate as N	mg/l	C52	2
H @ Water Treatment Works (Plants)			8.03
Potassium as K	mg/l	C01	3.43
Sodium as Na	mg/l	C01	120.78
Furbidity	NTU	C16	45
Furbidity @ WTW	NTU		1.05
Zinc as Zn	µgЛ	C02	4.57



Key: (s) - Subcontracted \mid (\overline{T}) - New result \mid (\overline{TT}) - Result updated



Final Water Quality Report

Report Number: 69359

Test List: RAW_AUD_MK
Scheme: J / Kleinshans Raw WTW
Received Date: 19/03/2015

Sample Number			126651
Sample Description			J / Kleinshans Raw WTW
Analysis Start Date	19/03/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	310.5
Ammonia as N	mg/l	C32	0.04
Cadmium as Cd	рд/1	C03	0.04
ium as Ca	mg/l	C01	19.22
Unloride as CI	mg/l	C34	90.24
Chromium as Cr	μд/1	C03	0.85
Cobalt as Co	μдЛ	C03	0.08
Copper as Cu	рдЛ	C02	4.97
E coli waste water(colilert)	CFU/100ml	M01	3
EC - Autotitrator	mS/m	C29	81.75
Fluoride as F	mg/l	C35	0.42
Hardness (calcium)	mg/l		47.44
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		92
Lead as Pb	μgΛ	C02	0
Magnesium as Mg	mg/l	C01	11.04
Manganese as Mn	µg/l	C02	3.06
Nickel as Ni	µg/l	C03	0.63
Nitrate as N	mg/l	C53	2.1
pH - Autotitrator		C30	8.8
pH @ Water Treatment Works (Plants)	-		8.56
Potassium as K	mg/l	C01	5.24
Sodium as Na	mg/l	C01	67.36
Shinhate as SO4	mg/l	C33	37.04
Solids - dissolved	mg/l		400
Turbidity	NTU	C16	62.9
Turbidity @ WTW	NTU		9.99



Key: (s) - Subcontracted \mid ($\overline{\mathsf{T}}$) - New result \mid ($\overline{\mathsf{TT}}$) - Result updated





Final Water Quality Report

Report Number: 69359

Test List: RAW_AUD_MK Scheme: Waainek WTW Raw Received Date: 05/03/2015

Sample Number			126379
Sample Description			Waainek WTW Raw
Analysis Start Date			05/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	20.24
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μg/Ι	C03	0
um as Ca	mg/l	C01	4.52
canide as Cl	mg/l	C34	52.82
Chromium as Cr	μдЛ	C03	0.7
Cobalt as Co	μgΛ	C03	0.09
Copper as Cu	μдЛ	C02	1.23
E coli waste water(colilert)	CFU/100ml	M01	8
Fluoride as F	mg/l	C35	0.03
Hardness (calcium)	mg/l		11.24
Lead as Pb	μдЛ	C02	0
Manganese as Mn	μg/Ι	C02	2.61
Nickel as Ni	μg/Ι	C03	4.31
Nitrale as N	mg/l	C53	0.6
pH @ Water Treatment Works (Plants)			6.18
Potassium as K	mg/l	C01	1.13
Sodium as Na	mg/l	C01	35.84
Sulphate as SO4	mg/l	C33	2.88
Turbidity	NTU	C16	9.77
Turbidity @ WTW	NTU		11.2
Zinc as Zn	μдЛ	C02	51.26





Final Water Quality Report

Report Number: 69359

Test List: RAW_AUD_MK Scheme: Waainek WTW Raw Received Date: 10/03/2015

Sample Number			126434
Sample Description Analysis Start Date			Waainek WTW Raw
			10/03/2015
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator			
Ammonia as N	mg/l	C28	78.5
	mg/l	C32	0.19
Cadmium as Cd	μg/i	C03	0.06
'um as Ca	mg/l	C01	12.22
ide as Cl	mg/l	C34	158.44
Chromium as Cr	hgvl	C03	0.39
Cobalt as Co	рдЛ	C03	0.22
Copper as Cu	μgЛ	C02	1.64
E coli waste water(colilert)	CFU/100ml	M01	4
Fluoride as F	mg/l	C35	0.05
Hardness (calcium)	mg/l		29.96
Hardness (magnesium)	mg/l		25.53
Hardness (total)	mg/l		56
Lead as Pb	μg/l	C02	0.46
Magnesium as Mg	mg/l	C01	6.15
Manganese as Mn	μgΛ	C02	3.48
Nickel as Ni	µg/l	C03	0.86
Nitrate as N	mg/l	C53	1.1
Potassium as K	mg/l	C01	1.92
Sodium as Na	mg/l	C01	21.49
Sulphate as SO4	mg/l	C33	2.42
Total Solids - dissolved	mg/l		297
Turbidity	NTU	C16	9.35
Zinc as Zn	μg/Ι	C02	4.35





Final Water Quality Report

Report Number: 69359

Test List: RAW_AUD_MK Scheme: Waainek WTW Raw Received Date: 20/03/2015

Sample Number			126900 Waainek WTW Raw 23/03/2015
Sample Description			
Analysis Start Date			
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	28.24
Ammonia as N	mg/l	C32	0.1
Cadmium as Cd	μg/l	C03	0.14
ium as Ca	mg/l	C01	19.02
nloride as Cl	mg/l	C34	62.66
Chromium as Cr	µд∕1	C03	1.06
Cobalt as Co	μg/Ι	C03	0.2
Copper as Cu	μgΛ	C02	13.7
EC - Autotitrator	mS/m	C15	26.1
Fluoride as F	mg/l	C35	0.05
Hardness (calcium)	mg/l		47.44
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		92
Lead as Pb	μд/1	C02	1.91
Magnesium as Mg	mg/l	C01	10.73
Manganese as Mn	µg/1	C02	4.2
Nickel as Ni	µg/I	C03	8.24
Nitrate as N	mg/l	C53	0.2
Potassium as K	mg/l	C01	4.11
Sodium as Na	mg/l	C01	61.92
Sulphate as SO4	mg/l	C33	4.21
Total Solids - dissolved	mg/l		133.25
Turbidity	NTU	C16	0.98
7inn as Zn	μдЛ	C02	27.47



Key: (s) - Subcontracted \mid ($\overline{\mathsf{T}}$) - New result \mid ($\overline{\mathsf{TT}}$) - Result updated



Final Water Quality Report

Report Number: 69359

Test List: RAW_AUD_MK Scheme: Waainek WTW Raw Received Date: 24/03/2015

Sample Number			126682
Sample Description	Waainek WTW Raw		
Analysis Start Date	24/03/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	60.49
Ammonia as N	mg/l	C32	0
Cadmium as Cd	μg/Ι	C03	0.07
ium as Ca	mg/l	C01	16.35
onloride as Cl	mg/i	C34	114.47
Cobalt as Co	μg/l	C03	0.26
Copper as Cu	μgΛ	C02	35.33
E coli waste water(colilert)	CFU/100ml	M01	5
EC - Autotitrator	mS/m	C15	46.2
Fluoride as F	mg/l	C35	0
Hardness (calcium)	mg/l		39.95
Hardness (magnesium)	mg/l		45.3
Hardness (total)	mg/l		85
Lead as Pb	μдЛ	C02	2.5
Magnesium as Mg	mg/l	C01	11.13
Manganese as Mn	μgЛ	C02	2.4
Nickel as Ni	μдЛ	C03	1.46
Nitrate as N	mg/l	C53	0.1
pH - Autotitrator		C14	7.83
pH @ Water Treatment Works (Plants)			7.73
Potassium as K	mg/l	C01	3.38
Sodium as Na	mg/l	C01	57.97
Sulphate as SO4	mg/l	C33	3.12
furbidity	NTU		22.7
Jity @ WTW	NTU		19.8
Zinc as Zn	µg/1	C02	32.55





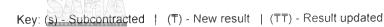


Final Water Quality Report

Report Number: 69359

Test List: SANS_241 Scheme: External Samples Received Date: 24/03/2015

Sample Number			127203	127204
Sample Description		Intermediate New	Intermediate Old	
Analysis Start Date			25/03/2015	25/03/2015
Analysis End Date		20/04/2015	20/04/2015	
Comment				
Test	Units	Method No		
Alkalinity - Autotitrator	mg/l	C28	84.25	76.78
Aluminium as Al	h8\land		424.96	149.88
Ammonia as N	mg/l		0.24	0
mium as Cd	μg/Ι	C03	0	0
cnloride as Cl	mg/l		146.2	136.68
Cobalt as Co	μgЛ	C03	0.27	0.29
Copper as Cu	μg/Ι	C02	3.42	2.79
Cyanide (recoverable) as CN	µд∕1		0	0
EC - Autotitrator	mS/m	C29	59.1	52.82
Ecoli	CFU/100ml	M01	0	148
Fluoride as F	mg/l		0.02	0
Heterotrophic plate count @35°C	CFU/1ml	M03	1001	1001
Iron (total) as Fe	μg/l		346.48	424.87
Lead as Pb	μg/ι	C02	0.18	17.32
Manganese as Mn	μgЛ	C02	2988.51	1992.57
Nickel as Ni	μg/l	C03	0.7	2.55
Nitrate as N	mg/l	C53	0.1	0
Nitrite as N	mg/l		0.02	0.18
pH - Autotitrator	,	C30	7.6	7.67
Sodium as Na	mg/l	C01	69.12	77.25
Sulphate as SO4	mg/l		3.35	3.29
Total coliform	CFU/100ml	M02	1	2420
Total Solids - dissolved	mg/l		295.52	264.09
∸ hidity	NTU		3.39	3
as Zn	µg/l	C02	19.04	71.37







Final Water Quality Report

Report	Number:	69359

Although Amatola Water Scientific Services has made an effort to perform correct and proper analyses and make accurate interpretation of the results, neither Amatola Water/Scientific Services nor its officials will be liable for any inaccuracy of the interpretation of the results.

.ature: Microbiology	Name:	Date:
Signature: Chemistry	Name:	Date:
Technical Manager:	Name:	Date: