



Amatola Water Amanzi - *Water is life*
Scientific Services Department

Final Water Quality Report

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Report Number: 69359

Physical Address

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Scientific Services
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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.



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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
	Chlorine	mg/l	113
	E coli waste water (colilert)	CFU/100ml	M01
	Conductivity @ 25°C	mS/m	C15
	Ammonia as N	mg/l	C53
	PH @ 25°C	-	C14
	Solids - Total suspended	mg/l	C46
			0.07
			>2420
			133.2
			2.4
			7.37
			37



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



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Report Number: 69359

Test List: FINAL_MK

Scheme: Alicedale Community Tap WTW

Received Date: 05/03/2015

Sample Number	126380		
Sample Description	Alicedale Community Tap WTW		
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
Ammony (s)	µg/l		2.00
Arsenic as As (s)	µg/l		2.00
Bromodichloromethane	µg/l		36.5
Bromoform	µg/l		13.6
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	22.68
Chloride as Cl	mg/l	C34	168.21
Chlorine	mg/l		0.38
Chloroform	µg/l		31
Chromium as Cr	µg/l	C03	0.63
Cobalt as Co	µg/l	C03	0.2
Copper as Cu	µg/l	C02	0.92
Dibromochloromethane	µg/l		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
Iron (total) as Fe	µg/l	C02	12.38
Manganese as Mn	µg/l	C02	4.04
Mercury as Hg (s)	µg/l		0.50
Nickel as Ni	µg/l	C03	4.05
Nitrate as N	mg/l	C53	0
pH - Autotitrator	-	C30	7.95
pH @ Water Treatment Works (Plants)	-		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



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



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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			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	109.2
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0.04
Calcium as Ca	mg/l	C01	25.89
Chloride as Cl	mg/l	C34	163.66
Chlorine	mg/l		0.17
Chromium as Cr	µg/l	C03	0.2
Cobalt as Co	µg/l	C03	0.11
Copper as Cu	µg/l	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
Lead as Pb	µg/l	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
pH - 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
Sulfate 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	µg/l	C02	1.75



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



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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	µg/l	C09	18.76
Ammonia as N	mg/l	C32	0.01
Ammonia (s)	µg/l		2.00
Asbestos as As (s)	µg/l		2.00
Bromodichloromethane	µg/l		11
Bromoform	µg/l		11.9
Cadmium as Cd	µg/l	C03	0.13
Calcium as Ca	mg/l	C01	7.72
Chloride as Cl	mg/l	C34	61.9
Chlorine	mg/l		0.01
Chloroform	µg/l		14.1
Chromium as Cr	µg/l	C03	0.13
Cobalt as Co	µg/l	C03	0.02
Copper as Cu	µg/l	C02	60.21
Dibromochloromethane	µg/l		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	µg/l	C02	65.34
Lead as Pb	µg/l	C02	0.36
Magnesium as Mg	mg/l	C01	11.16
Manganese as Mn	µg/l	C02	74.27
Mercury as Hg (s)	µg/l		0.50
Nickel as Ni	µg/l	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)	µg/l		10.00
Zinc as Zn	µg/l	C02	37.23



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



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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
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Ammonia as N (s)	µg/l	
	Arsenic as As (s)	µg/l	
	Bromodichloromethane	µg/l	
	Bromoform	µg/l	
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	Chloroform	µg/l	
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	Dibromochloromethane	µg/l	
	EC - Autotitrator	mS/m	C29
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Iron (total) as Fe	µg/l	C02
	Lead as Pb	µg/l	C02
	Manganese as Mn	µg/l	C02
	Mercury as Hg (s)	µg/l	
	Nickel as Ni	µg/l	C03
	Nitrate as N	mg/l	C53
	pH - Autotitrator	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Selenium as Se (s)	µg/l	
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	
	Vanadium (s)	µg/l	
	Zinc as Zn	µg/l	C02



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



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Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck Communal Tap

Received Date: 19/03/2015

Sample Number	126642		
Sample Description	Riebeeck Communal Tap		
Analysis Start Date	19/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Ammonium 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	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
	Nitrate as N	mg/l	C53
	pH - Autotitrator	-	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: 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	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	18.82
Aluminium as Al	µg/l	C09	63.73
Ammonia as N	mg/l	C32	0.02
Ammonia as N (s)	µg/l		2.00
Antimony as As (s)	µg/l		2.00
Bromodichloromethane	µg/l		10.00
Bromoform	µg/l		10.00
Cadmium as Cd	µg/l	C03	66.44
Calcium as Ca	mg/l	C01	0
Chloride as Cl	mg/l	C34	60.93
Chlorine	mg/l		0.01
Chloroform	µg/l		10.6
Chromium as Cr	µg/l	C03	1.72
Cobalt as Co	µg/l	C03	0.04
Copper as Cu	µg/l	C02	60.6
Dibromochloromethane	µg/l		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/l	C02	62.31
Lead as Pb	µg/l	C02	1.21
Magnesium as Mg	mg/l	C01	11.03
Manganese as Mn	µg/l	C02	51.71
Mercury as Hg (s)	µg/l		0.50
Nickel as Ni	µg/l	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)	µg/l		10.00
Zinc as Zn	µg/l	C02	51.65



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



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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	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	274.4
Aluminium as Al	µg/l	C09	61.4
Ammonia as N	mg/l	C32	0.01
As (s)	µg/l		2.00
Arsenic as As (s)	µg/l		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 Cl	mg/l	C34	87.46
Chlorine	mg/l		0.43
Chloroform	µg/l		10.00
Chromium as Cr	µg/l	C03	0.54
Cobalt as Co	µg/l	C03	0.17
Copper as Cu	µg/l	C02	6.98
Dibromochloromethane	µg/l		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
Iron (total) as Fe	µg/l	C02	24.29
Lead as Pb	µg/l	C02	0.21
Magnesium as Mg	mg/l	C01	4.64
Manganese 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
pH - Autotitrator	-	C30	8.38
pH @ 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/l		10.00
Zinc as Zn	µg/l	C02	3.7



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



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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/l	C09	76.79
Ammonia as N	mg/l	C32	0
As (s)	µg/l		2.00
As as As (s)	µg/l		3.73
Bromodichloromethane	µg/l		10.00
Bromoform	µg/l		14.7
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	17.92
Chloride as Cl	mg/l	C34	88.51
Chloroform	µg/l		10.0
Chromium as Cr	µg/l	C03	0.13
Cobalt as Co	µg/l	C03	0.98
Copper as Cu	µg/l	C02	0
Dibromochloromethane	µg/l		15
EC - Autotitrator	mS/m	C29	80.26
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	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	µg/l	C03	6.23
Nitrate as N	mg/l	C53	0.3
pH titrator	-	C30	8.45
pH @ Water Treatment Works (Plants)	-		8.18
Potassium as K	mg/l	C01	2.84
Sodium as Na	mg/l	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	µg/l	C02	162.95



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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	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Ammonium 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	mS/cm	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
	Nitrate as N	mg/l	C53
	pH - Autotitrator	-	C30
	pH - after 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: 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	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Ammonium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator	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
	pH - Autotitrator	-	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	
	Turbidity @ WTW	NTU	
	Zinc as Zn	µg/l	C02



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



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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	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	279.2
Aluminium as Al	µg/l	C09	51.55
Ammonia as N	mg/l	C32	0.01
Antimony (s)	µg/l		2.0
Arsenic as As (s)	µg/l		3.81
Bromodichloromethane	µg/l		13.3
Bromoform	µg/l		18.7
Cadmium as Cd	µg/l	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/l	C02	14.71
Dibromochloromethane	µg/l		26
EC - Autotitrator	mS/m	C29	82.35
Faecal coliforms count Member Filtration	CFU/100ml	M05	0
Fluoride as F	mg/l	C35	0.43
Hardness (calcium)	mg/l		79.9
Heterotrophic plate count @35°C	CFU/1ml	M03	31
Iron (total) as Fe	µg/l	C02	19.06
Manganese as Mn	µg/l	C02	5.74
Mercury as Hg (s)	µg/l		0.50
Nickel as Ni	µg/l	C03	13.83
Nitrate as N	mg/l	C53	0.5
pH - Autotitrator	-	C30	8.32
pH @ Water Treatment Works (Plants)	-		7.48
Potassium as K	mg/l	C01	3.42
Selenium as Se (s)	µg/l		2.00
Sodium as Na	mg/l	C01	121.24
Sulphate as SO4	mg/l	C33	29.82
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	0
Total Solids - dissolved	mg/l		411.76
Turbidity	NTU	C16	1.41
Turbidity @ WTW	NTU		3.35
Vanadium (s)	µg/l		10.00
Zinc as Zn	µg/l	C02	9.35



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



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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	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Ammony (s)	µg/l	
	Arsenic as As (s)	µg/l	
	Bromodichloromethane	µg/l	
	Bromoform	µg/l	
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chloroform	µg/l	
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	Dibromochloromethane	µg/l	
	EC - Autotitrator	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Iron (total) as Fe	µg/l	C02
	Manganese as Mn	µg/l	C02
	Mercury as Hg (s)	µg/l	
	Nickel as Ni	µg/l	C03
	Nitrate as N	mg/l	C53
	pH - Autotitrator	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Selenium as Se (s)	µg/l	
	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	
	Vanadium (s)	µg/l	
	Zinc as Zn	µg/l	C02



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



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Report Number: 69359

Test List: FINAL_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 20/03/2015

Sample Number	126905		
Sample Description	Nonzwakazi Community Tap in		
Analysis Start Date	22/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Ammonium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator	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
	Nitrate as N	mg/l	C53
	pH - Autotitrator	-	C30
	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
	Zinc as Zn	µg/l	C02



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



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Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 05/03/2015

Sample Number	126370		
Sample Description	Riebeeck East Network Reservoir		
Analysis Start Date	05/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	69.64
Aluminium as Al	µg/l	C09	1.1
Ammonia as N	mg/l	C32	0.06
Ammonia (s)	µg/l		2.00
Arsenic as As (s)	µg/l		2.00
Bromodichloromethane	µg/l		10.0
Bromoform	µg/l		10.8
Cadmium as Cd	µg/l	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	µg/l	C03	0
Copper as Cu	µg/l	C02	0.01
Dibromochloromethane	µg/l		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	µg/l	C02	0
Magnesium as Mg	mg/l	C01	1.76
Manganese as Mn	µg/l	C02	0.03
Mercury as Hg (s)	µg/l		0.50
Nickel as Ni	µg/l	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/l		10.0
Zinc as Zn	µg/l	C02	127.96



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



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Report Number: 69359

Test List: FINAL_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 19/03/2015

Sample Number	126633		
Sample Description	Riebeeck East Network Reservoir		
Analysis Start Date	19/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	86.68
Aluminium as Al	µg/l	C09	8.73
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	19.69
Calcium as Ca	mg/l	C01	1.06
Chloride as Cl	mg/l	C34	125.4
Chlorine	mg/l		0.01
Chromium as Cr	µg/l	C03	0.53
Cobalt as Co	µg/l	C03	0.13
Copper as Cu	µg/l	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	µg/l	C02	0.81
Magnesium as Mg	mg/l	C01	0.28
Manganese as Mn	µg/l	C02	16.28
Nickel as Ni	µg/l	C03	0
Nitrate as N	mg/l		0.2
Nitrate - 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	µg/l	C02	32.99



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



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Report Number: 69359

Test List: FINAL_MK

Scheme: Waainek WTW Final

Received Date: 05/03/2015

Sample Number	126378		
Sample Description	Waainek WTW Final		
Analysis Start Date	05/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
			22.82
	Aluminium as Al	µg/l	C09
			10.81
	Ammonia as N	mg/l	C32
			0.02
	Ammonia (s)	µg/l	
			2.00
	Arsenic as As (s)	µg/l	
			2.00
	Bromodichloromethane	µg/l	
			10.00
	Bromoform	µg/l	
			10.00
	Calcium as Ca	mg/l	C01
			5.19
	Chloride as Cl	mg/l	C34
			55.6
	Chlorine	mg/l	
			0.05
	Chloroform	µg/l	
			10.00
	Chromium as Cr	µg/l	C03
			0.17
	Cobalt as Co	µg/l	C03
			0.26
	Copper as Cu	µg/l	C02
			14.33
	Dibromochloromethane	µg/l	
			10.00
	EC - Autotitrator	mS/m	C29
			24.59
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			0
	Fluoride as F	mg/l	C35
			0.04
	Hardness (calcium)	mg/l	
			12.98
	Heterotrophic plate count @35°C	CFU/1ml	M03
			216
	Iron (total) as Fe	µg/l	C02
			8.72
	Manganese as Mn	µg/l	C02
			164.51
	Mercury as Hg (s)	µg/l	
			0.50
	Nickel as Ni	µg/l	C03
			4.59
	Nitrite as N	mg/l	C53
			0
	pH - Autotitrator	-	C30
			7.07
	pH @ Water Treatment Works (Plants)	-	
			6.49
	Potassium as K	mg/l	C01
			1.17
	Sodium as Na	mg/l	C01
			35.72
	Sulphate as SO4	mg/l	C33
			3.12
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			179
	Total Solids - dissolved	mg/l	
			122.95
	Turbidity	NTU	C16
			0.86
	Turbidity @ WTW	NTU	
			1.07
	Vanadium (s)	µg/l	
			10.00
	Zinc as Zn	µg/l	C02
			15.92



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



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Report Number: 69359

Test List: FINAL_MK
 Scheme: Waainek WTW Final
 Received Date: 10/03/2015

Sample Number	126433		
Sample Description	Waainek WTW Final		
Analysis Start Date	11/03/2015		
Analysis End Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	70.9
Aluminium as Al	µg/l	C09	24.7
Ammonia as N	mg/l	C32	0
Calcium as Ca	mg/l	C01	18.03
Chloride as Cl	mg/l	C34	144.86
Chlorine	mg/l		0.31
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	1.02
Copper as Cu	µg/l	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
Iron (total) as Fe	µg/l	C02	59.97
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.08
Manganese as Mn	µg/l	C02	27.96
Nickel as Ni	µg/l	C03	6.04
Nitrate as N	mg/l	C53	0
pH - Autotitrator	-	C30	7.05
pH @ Water Treatment Works (Plants)	-		6.95
Potassium 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/l	C02	8.01



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



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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	Waainek WTW Final		
Analysis Start Date	22/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Lead as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator	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
	Nitrate as N	mg/l	C53
	pH - Autotitrator	-	C30
	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
	Zinc as Zn	µg/l	C02



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



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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 Final		
Analysis Start Date	24/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	82.33
Aluminium as Al	µg/l	C09	12.93
Ammonia as N	mg/l	C32	0.23
Cadmium as Cd	µg/l	C03	0.05
Calcium as Ca	mg/l	C01	24.3
Chloride as Cl	mg/l	C34	142.38
Chlorine	mg/l		0.21
Cobalt as Co	µg/l	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	µg/l	C02	5.41
Lead as Pb	µg/l	C02	0.02
Magnesium as Mg	mg/l	C01	15.53
Manganese as Mn	µg/l	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
Sodium as Na	mg/l	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
Turbidity	NTU		2.35
Turbidity @ WTW	NTU		2.64
Zinc as Zn	µg/l	C02	16.78



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



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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
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	E coli waste water (colilert)	CFU/100ml	M01
	Hardness (calcium)	mg/l	
	Iron (total) as Fe	µg/l	C02
	Lead as Pb	µg/l	C02
	Manganese as Mn	µg/l	C02
	Nickel as Ni	µg/l	C03
	Nitrate as N	mg/l	C52
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	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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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	µg/l	C03	0.04
Calcium as Ca	mg/l	C01	19.22
Chloride as Cl	mg/l	C34	90.24
Chromium as Cr	µg/l	C03	0.85
Cobalt as Co	µg/l	C03	0.08
Copper as Cu	µg/l	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	µg/l	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
Sulfate 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 | (T) - New result | (TT) - Result updated



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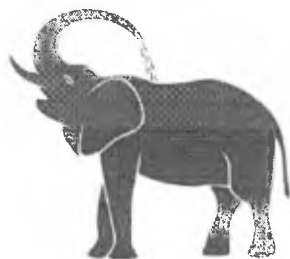
Report Number: 69359

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
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	E coli waste water (colilert)	CFU/100ml	M01
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Lead as Pb	µg/l	C02
	Manganese as Mn	µg/l	C02
	Nickel as Ni	µg/l	C03
	Nitrate as N	mg/l	C53
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	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: 69359

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

Sample Number	126434		
Sample Description	Waainek WTW Raw		
Analysis Start Date	10/03/2015		
Analysis End Date			
Comment			
	Test	Units	Method No
	Alkalinity - Autotitrator	mg/l	C28
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	E coli waste water(colilert)	CFU/100ml	M01
	Fluoride as F	mg/l	C35
	Hardness (calcium)	mg/l	
	Hardness (magnesium)	mg/l	
	Hardness (total)	mg/l	
	Lead as Pb	µg/l	C02
	Magnesium as Mg	mg/l	C01
	Manganese as Mn	µg/l	C02
	Nickel as Ni	µg/l	C03
	Nitrate as N	mg/l	C53
	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
	Zinc as Zn	µg/l	C02



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



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Report Number: 69359

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

Sample Number	126900		
Sample Description	Waainek WTW Raw		
Analysis Start Date	23/03/2015		
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
	Calcium as Ca	mg/l	C01
			19.02
	Chloride as Cl	mg/l	C34
			62.66
	Chromium as Cr	µg/l	C03
			1.06
	Cobalt as Co	µg/l	C03
			0.2
	Copper as Cu	µg/l	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	µg/l	C02
			1.91
	Magnesium as Mg	mg/l	C01
			10.73
	Manganese as Mn	µg/l	C02
			4.2
	Nickel as Ni	µg/l	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
	Zinc as Zn	µg/l	C02
			27.47



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



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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/l	C03	0.07
Calcium as Ca	mg/l	C01	16.35
Chloride as Cl	mg/l	C34	114.47
Cobalt as Co	µg/l	C03	0.26
Copper as Cu	µg/l	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	µg/l	C02	2.5
Magnesium as Mg	mg/l	C01	11.13
Manganese as Mn	µg/l	C02	2.4
Nickel as Ni	µg/l	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
Turbidity	NTU		22.7
Turbidity @ WTW	NTU		19.8
Zinc as Zn	µg/l	C02	32.55



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



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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	µg/l		424.96	149.88
Ammonia as N	mg/l		0.24	0
Ammonium as Cd	µg/l	C03	0	0
Chloride as Cl	mg/l		146.2	136.68
Cobalt as Co	µg/l	C03	0.27	0.29
Copper as Cu	µg/l	C02	3.42	2.79
Cyanide (recoverable) as CN	µg/l		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/l	C02	0.18	17.32
Manganese as Mn	µg/l	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
Turbidity	NTU		3.39	3
Zinc as Zn	µg/l	C02	19.04	71.37



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



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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.

Signature: Microbiology

Name:

Date:

Signature: Chemistry

Name:

Date:

Technical Manager:.....

Name:

Date:



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