



**Amatola Water Amanzi** - *Water is life*

**Scientific Services Department**

Preliminary Water Quality Report

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Report Number: 69598

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**Physical Address**

Amatola Water  
Scientific Services  
Nahoon Dam Complex

**Postal Address**

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East London  
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**Samples Submitted By:** Ntombi Tshicilela

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Reported Date: 08/09/2015

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# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69598

Test List: EFFLUENT  
 Scheme: Deimontvalley WWTW  
 Received Date: 13/08/2015

<b>Sample Number</b>		<b>129430</b>	
<b>Sample Description</b>		Deimontvalley WWTW	
<b>Sample Received Date</b>		13/08/2015	
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Ammonia as N	mg/l	C32
			<b>9.55</b>
	Chemical Oxygen Demand - DR2800	mg/l	C50
			115
	Coliform waste water (colifert)	MPN/100ML	M01
			>2420
	EC @ 25°C	mS/m	C15
			83.7
	Ortho phosphate - Aquakem as P	mg/l	C37
			3.68
	PH @ 25°C	-	C14
			8.1
	Solids - Total suspended	mg/l	C46
			24

Test List: EFFLUENT  
 Scheme: Mayfield Effluent  
 Received Date: 13/08/2015

<b>Sample Number</b>		<b>129437</b>	
<b>Sample Description</b>		Mayfield Effluent	
<b>Sample Received Date</b>		13/08/2015	
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Ammonia as N	mg/l	C32
			19.98
	Chemical Oxygen Demand - DR2800	mg/l	C50
			50
	Chlorine	mg/l	C01
			0.13
	Coliform waste water (colifert)	MPN/100ML	M01
			3
	EC @ 25°C	mS/m	C15
			125.7
	Ortho phosphate - Aquakem as P	mg/l	C37
			4.84
	PH @ 25°C	-	C14
			7.44
	Solids - Total suspended	mg/l	C46
			15





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# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69598

Test List: FINAL\_MK  
 Scheme: Alicedale Community Tap WTW  
 Received Date: 13/08/2015

<b>Sample Number</b>			129426
<b>Sample Description</b>			Alicedale Community Tap WTW
<b>Sample Received Date</b>			13/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Alkalinity - Autotitrator	mg/l	C28
			83.9
	Ammonia as N	mg/l	C32
			0
	Chloride as Cl	mg/l	C34
			146.83
	Chlorine	mg/l	
			0.27
	Chlorine - Autotitrator @ 25°C	mS/m	C29
			65.63
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			<1
	Fluoride as F	mg/l	C35
			0.08
	Heterotrophic plate count @35°C	CFU/1ml	M03
			2
	pH - Autotitrator @ 25°C	-	C30
			7.75
	pH @ Water Treatment Works (Plants)	-	
			7.36
	Sulphate as SO4	mg/l	C33
			19.81
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			<1
	Total Solids - dissolved	mg/l	
			326.14
	Turbidity	NTU	C16
			0.55
	Turbidity @ WTW	NTU	
			1.99

Test List: FINAL\_MK  
 Scheme: Alicedale Community Tap WTW  
 Received Date: 18/08/2015

<b>Sample Number</b>			129494
<b>Sample Description</b>			Alicedale Community Tap WTW
<b>Sample Received Date</b>			18/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Alkalinity - Autotitrator	mg/l	C28
			87.48
	Ammonia as N	mg/l	C32
			0
	Chloride as Cl	mg/l	C34
			149.17
	Chlorine	mg/l	
			0.22
	EC - Autotitrator @ 25°C	mS/m	C29
			64.63
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			<1
	Fluoride as F	mg/l	C35
			0.12
	Heterotrophic plate count @35°C	CFU/1ml	M03
			2
	pH - Autotitrator @ 25°C	-	C30
			7.71
	pH @ Water Treatment Works (Plants)	-	
			7.37
	Sulphate as SO4	mg/l	C33
			19.7
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			<1
	Total Solids - dissolved	mg/l	
			323.13
	Turbidity	NTU	C16
			2.23
	Turbidity @ WTW	NTU	
			2.03



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



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# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69598

Test List: FINAL\_MK

Scheme: Alicedale Community Tap WTW

Received Date: 27/08/2015

<b>Sample Number</b>			<b>129589</b>
<b>Sample Description</b>			Alicedale Community Tap WTW
<b>Sample Received Date</b>			<b>27/08/2015</b>
<b>Sample Completed Date</b>			
<b>Comment</b>			
<b>Test</b>	<b>Units</b>	<b>Method No</b>	
Chlorine	mg/l		0.41
EC - Autotitrator @ 25°C	mS/m	C29	67.83
<i>il</i> coliforms count Member Filtration	CFU/100ml	M05	<1
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Autotitrator @ 25°C	-	C30	7.56
pH @ Water Treatment Works (Plants)	-		7.46
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		339.16
Turbidity	NTU	C16	1.7
Turbidity @ WTW	NTU		1.83

Test List: FINAL\_MK

Scheme: Beaufort Str Police Station

Received Date: 13/08/2015

<b>Sample Number</b>			<b>129435</b>
<b>Sample Description</b>			Beaufort Str Police Station
<b>Sample Received Date</b>			<b>13/08/2015</b>
<b>Sample Completed Date</b>			
<b>Comment</b>			
<b>Test</b>	<b>Units</b>	<b>Method No</b>	
Alkalinity - Autotitrator	mg/l	C28	16.59
Nitrite as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	38.36
Chlorine	mg/l		0.11
EC - Autotitrator @ 25°C	mS/m	C29	19.06
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.01
Heterotrophic plate count @35°C	CFU/1ml	M03	115
pH - Autotitrator @ 25°C	-	C30	7.23
pH @ Water Treatment Works (Plants)	-		9.62
Sulphate as SO4	mg/l	C33	9.96
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		95.4
Turbidity	NTU	C16	1.27
Turbidity @ WTW	NTU		1.29





Report Number: 69598

Test List: FINAL\_MK

Scheme: Beaufort Str Police Station

Received Date: 27/08/2015

Sample Number	129594		
Sample Description	Beaufort Str Police Station		
Sample Received Date	27/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Ammonia as N	mg/l	C32
	Chloride as Cl	mg/l	C34
	Free Chlorine	mg/l	
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	Heterotrophic plate count @35°C	CFU/1ml	M03
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	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	

Test List: FINAL\_MK

Scheme: Riebeeck Communal Tap

Received Date: 27/08/2015

Sample Number	129593		
Sample Description	Riebeeck Communal Tap		
Sample Received Date	27/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Chlorine	mg/l	
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/1ml	M03
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	





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## Scientific Services Department

### Preliminary Water Quality Report

**Report Number: 69598**

Test List: FINAL\_MK  
 Scheme: Environmental Health Office  
 Received Date: 27/08/2015

Sample Number	129582		
Sample Description	Environmental Health Office		
Sample Received Date	27/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Ammonia as N	mg/l	C32	0.05
Chloride as Cl	mg/l	C34	63.31
ne	mg/l		0.08
EC - Autotitrator @ 25°C	mS/m	C29	18.3
faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	6.38
pH @ Water Treatment Works (Plants)	-		7.54
Sulphate as SO4	mg/l	C33	13.66
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		91.5
Turbidity	NTU	C16	0.77
Turbidity @ WTW	NTU		1.77

Test List: FINAL\_MK  
 Scheme: Extension 7 Clinic  
 Received Date: 13/08/2015

Sample Number	129432		
Sample Description	Extension 7 Clinic		
Sample Received Date	13/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	303
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	92.56
Chlorine	mg/l		0.97
EC - Autotitrator @ 25°C	mS/m	C29	82.9
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.56
Heterotrophic plate count @35°C	CFU/1ml	M03	12
pH - Autotitrator @ 25°C	-	C30	8.33
pH @ Water Treatment Works (Plants)	-		9.35
Sulphate as SO4	mg/l	C33	59.2
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	44
Total Solids - dissolved	mg/l		414.51
Turbidity	NTU	C16	0.85
Turbidity @ WTW	NTU		1.33



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



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### Preliminary Water Quality Report

Report Number: 69598

Test List: FINAL\_MK  
 Scheme: Extension 7 Clinic  
 Received Date: 27/08/2015

Sample Number			129591
Sample Description			Extension 7 Clinic
Sample Received Date			27/08/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	131.57
Chlorine	mg/l		1.52
EC - Autotitrator @ 25°C	mS/m	C29	85.27
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.61
Heterotrophic plate count @35°C	CFU/1ml	M03	4
pH - Autotitrator @ 25°C	-	C30	8.23
pH @ Water Treatment Works (Plants)	-		7.52
Sulphate as SO4	mg/l	C33	82.67
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		426.35
Turbidity	NTU	C16	1.04
Turbidity @ WTW	NTU		1.48

Test List: FINAL\_MK  
 Scheme: Indoor Sports Centre  
 Received Date: 13/08/2015

Sample Number			129431
Sample Description			Indoor Sports Centre
Sample Received Date			13/08/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	303.1
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	92.67
Chlorine	mg/l		0.68
EC - Autotitrator @ 25°C	mS/m	C29	82.8
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.54
Heterotrophic plate count @35°C	CFU/1ml	M03	6
pH - Autotitrator @ 25°C	-	C30	8.3
pH @ Water Treatment Works (Plants)	-		9.28
Sulphate as SO4	mg/l	C33	58.87
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		414.01
Turbidity	NTU	C16	1.01
Turbidity @ WTW	NTU		0.96



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

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# Amatola Water Amanzi - *Water is life*

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### Preliminary Water Quality Report

**Report Number: 69598**

Test List: FINAL\_MK  
 Scheme: Indoor Sports Centre  
 Received Date: 27/08/2015

<b>Sample Number</b>			129590
<b>Sample Description</b>			Indoor Sports Centre
<b>Sample Received Date</b>			27/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
<b>Test</b>	<b>Units</b>	<b>Method No</b>	
Ammonia as N	mg/l	C32	0.01
Chloride as Cl	mg/l	C34	139.91
Free Chlorine	mg/l		1.55
EC - Autotitrator @ 25°C	mS/m	C29	85.87
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.57
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	8.19
pH @ Water Treatment Works (Plants)	-		7.38
Sulphate as SO4	mg/l	C33	87.34
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		429.34
Turbidity	NTU	C16	0.6
Turbidity @ WTW	NTU		0.97

Test List: FINAL\_MK  
 Scheme: J / Kleinsmans Final WTW  
 Received Date: 13/08/2015

<b>Sample Number</b>			129427
<b>Sample Description</b>			J / Kleinsmans Final WTW
<b>Sample Received Date</b>			13/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
<b>Test</b>	<b>Units</b>	<b>Method No</b>	
Alkalinity - Autotitrator	mg/l	C28	299.6
Ammonia as N	mg/l		0.07
Chloride as Cl	mg/l		89.1
Chlorine	mg/l		0.74
EC - Autotitrator @ 25°C	mS/m	C29	84.86
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l		0.81
Heterotrophic plate count @35°C	CFU/1ml	M03	210
pH - Autotitrator @ 25°C	-	C30	8.6
pH @ Water Treatment Works (Plants)	-		8.28
Sulphate as SO4	mg/l		61.84
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		424.29
Turbidity	NTU	C16	1.56
Turbidity @ WTW	NTU		0.73





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# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69598

Test List: FINAL\_MK  
 Scheme: J / Kleinshans Final WTW  
 Received Date: 18/08/2015

Sample Number			129495
Sample Description			J / Kleinshans Final WTW
Sample Received Date			18/08/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	303.1
Ammonia as N	mg/l		0
Chloride as Cl	mg/l		96.19
Chlorine	mg/l		0.2
EC - Autotitrator @ 25°C	mS/m	C29	84.2
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l		0.6
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	8.13
pH @ Water Treatment Works (Plants)	-		7.35
Sulphate as SO4	mg/l		61.59
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		421.03
Turbidity	NTU	C16	1.08
Turbidity @ WTW	NTU		1.22

Test List: FINAL\_MK  
 Scheme: J / Kleinshans Final WTW  
 Received Date: 27/08/2015

Sample Number			129600
Sample Description			J / Kleinshans Final WTW
Sample Received Date			27/08/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	137.79
Chlorine	mg/l		2.2
EC - Autotitrator @ 25°C	mS/m	C29	86.21
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.6
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	7.84
pH @ Water Treatment Works (Plants)	-		9.06
Sulphate as SO4	mg/l	C33	85.14
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		431.07
Turbidity	NTU	C16	1.11
Turbidity @ WTW	NTU		2.79



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



# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

**Report Number: 69598**

**Test List:** FINAL\_MK  
**Scheme:** J Street Community Tap  
**Received Date:** 13/08/2015

<b>Sample Number</b>			129430
<b>Sample Description</b>			J Street Community Tap
<b>Sample Received Date</b>			13/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
<b>Test</b>	<b>Units</b>	<b>Method No</b>	
Alkalinity - Autotitrator	mg/l	C28	309.3
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	92.32
Chlorine	mg/l		0.56
EC - Autotitrator @ 25°C	mS/m	C29	82.22
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.54
Heterotrophic plate count @35°C	CFU/1ml	M03	2
pH - Autotitrator @ 25°C	-	C30	8.3
pH @ Water Treatment Works (Plants)	-		9.35
Sulphate as SO4	mg/l	C33	58.4
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		411.09
Turbidity	NTU	C16	1.7
Turbidity @ WTW	NTU		1

**Test List:** FINAL\_MK  
**Scheme:** J Street Community Tap  
**Received Date:** 27/08/2015

<b>Sample Number</b>			129689
<b>Sample Description</b>			J Street Community Tap
<b>Sample Received Date</b>			27/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
<b>Test</b>	<b>Units</b>	<b>Method No</b>	
Ammonia as N	mg/l	C32	0
Chloride as Cl	mg/l	C34	138.89
Chlorine	mg/l		1.34
EC - Autotitrator @ 25°C	mS/m	C29	85.86
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.58
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	8.13
pH @ Water Treatment Works (Plants)	-		7.43
Sulphate as SO4	mg/l	C33	87.11
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		428.32
Turbidity	NTU	C16	0.7
Turbidity @ WTW	NTU		1.14



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



Report Number: 69598

Test List: FINAL\_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 13/08/2015

Sample Number	129429		
Sample Description	Nonzwakazi Community Tap in		
Sample Received Date	13/08/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Alkalinity - Autotitrator	mg/l	C28
			88.53
	Ammonia as N	mg/l	C32
			0
	Chloride as Cl	mg/l	C34
			148.57
	Chlorine	mg/l	
			0.06
	Conductivity - Autotitrator @ 25°C	mS/m	C29
			86.03
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			<1
	Fluoride as F	mg/l	C35
			0.08
	Heterotrophic plate count @35°C	CFU/1ml	M03
			1
	pH - Autotitrator @ 25°C	-	C30
			7.86
	pH @ Water Treatment Works (Plants)	-	
			7.37
	Sulphate as SO4	mg/l	C33
			19.63
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			<1
	Total Solids - dissolved	mg/l	
			330.13
	Turbidity	NTU	C16
			1.72
	Turbidity @ WTW	NTU	
			2.2

Test List: FINAL\_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 27/08/2015

Sample Number	129588		
Sample Description	Nonzwakazi Community Tap in		
Sample Received Date	27/08/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Chlorine	mg/l	
			0.06
	EC - Autotitrator @ 25°C	mS/m	C29
			68.14
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			<1
	Heterotrophic plate count @35°C	CFU/1ml	M03
			16
	pH - Autotitrator @ 25°C	-	C30
			7.66
	pH @ Water Treatment Works (Plants)	-	
			7.5
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			<1
	Total Solids - dissolved	mg/l	
			340.72
	Turbidity	NTU	C16
			2.45
	Turbidity @ WTW	NTU	
			2.56





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# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69598

Test List: FINAL\_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 13/08/2015

Sample Number	129423		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	13/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Alkalinity - Autotitrator	mg/l	C28	85.64
Ammonia as N	mg/l		0.07
Chloride as Cl	mg/l		114.42
Chlorine	mg/l		0.89
EC - Autotitrator @ 25°C	mS/m	C29	56.51
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l		0.23
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	8.02
pH @ Water Treatment Works (Plants)	-		6.68
Sulphate as SO4	mg/l		18.08
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		282.54
Turbidity	NTU	C16	1.51
Turbidity @ WTW	NTU		1.53

Test List: FINAL\_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 27/08/2015

Sample Number	129587		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	27/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Chlorine	mg/l		1.59
EC - Autotitrator @ 25°C	mS/m	C29	57.42
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
pH - Autotitrator @ 25°C	-	C30	6.76
pH @ Water Treatment Works (Plants)	-		6.87
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		287.13
Turbidity	NTU	C16	2.89
Turbidity @ WTW	NTU		3.63



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



# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

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Report Number: 69598

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 13/08/2015

<b>Sample Number</b>	129424		
<b>Sample Description</b>	Waainek WTW Final		
<b>Sample Received Date</b>	13/08/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Alkalinity - Autotitrator	mg/l	C28
			6.05
	Ammonia as N	mg/l	C32
			0
	Chloride as Cl	mg/l	C34
			37.4
	Chlorine	mg/l	
			1.52
	EC - Autotitrator @ 25°C	mS/m	C29
			17.26
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			<1
	Fluoride as F	mg/l	C35
			0
	Heterotrophic plate count @35°C	CFU/1ml	M03
			<1
	pH - Autotitrator @ 25°C	-	C30
			6.28
	pH @ Water Treatment Works (Plants)	-	
			6.72
	Sulphate as SO4	mg/l	C33
			10.04
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			<1
	Total Solids - dissolved	mg/l	
			86.3
	Turbidity	NTU	C16
			1.21
	Turbidity @ WTW	NTU	
			0.8

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 18/08/2015

<b>Sample Number</b>	129492		
<b>Sample Description</b>	Waainek WTW Final		
<b>Sample Received Date</b>	18/08/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Alkalinity - Autotitrator	mg/l	C28
			6.6
	Ammonia as N	mg/l	
			0
	Chloride as Cl	mg/l	
			40.95
	Chlorine	mg/l	
			1.21
	EC - Autotitrator @ 25°C	mS/m	C29
			17.02
	Faecal coliforms count Member Filtration	CFU/100ml	M05
			<1
	Fluoride as F	mg/l	
			0.02
	Heterotrophic plate count @35°C	CFU/1ml	M03
			1
	pH - Autotitrator @ 25°C	-	C30
			6.22
	pH @ Water Treatment Works (Plants)	-	
			6.5
	Sulphate as SO4	mg/l	
			9.47
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
			<1
	Total Solids - dissolved	mg/l	
			85.1
	Turbidity	NTU	C16
			1.29
	Turbidity @ WTW	NTU	
			1.65



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



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## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69598

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 27/08/2015

Sample Number	129597		
Sample Description	Waainek WTW Final		
Sample Received Date	27/08/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Chlorine	mg/l		0.99
EC - Autotitrator @ 25°C	mS/m	C29	18.13
coliforms count Member Filtration	CFU/100ml	M05	<1
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Autotitrator @ 25°C	-	C30	6.3
pH @ Water Treatment Works (Plants)	-		7.12
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		90.65
Turbidity	NTU	C16	1.17
Turbidity @ WTW	NTU		1.32





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## Scientific Services Department

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### Preliminary Water Quality Report

Report Number: 69598

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 13/08/2015

Sample Number	129428		
Sample Description	J / Kleinshans Raw WTW		
Sample Received Date	13/08/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Alkalinity - Autotitrator	mg/l	C28	320
Ammonia as N	mg/l		0.07
Chloride as Cl	mg/l		87.56
Fecal coliforms (colifert)	MPN/100ML	M01	10
Electrical Conductivity @ 25°C	mS/m	C15	78.4
Fluoride as F	mg/l		0.84
pH - Autotitrator @ 25°C	-	C14	7.41
pH @ Water Treatment Works (Plants)	-		8.41
Sulphate as SO4	mg/l		63.02
Total Solids - dissolved	mg/l		392
Turbidity	NTU	C16	45.6
Turbidity @ WTW	NTU		9.99

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 18/08/2015

Sample Number	129496		
Sample Description	J / Kleinshans Raw WTW		
Sample Received Date	18/08/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Alkalinity - Autotitrator	mg/l	C28	307
Ammonia as N	mg/l		0
Chloride as Cl	mg/l		92.89
EC - Autotitrator @ 25°C	mS/m	C15	86.2
pH - Autotitrator @ 25°C	-	C14	7.87
Sulphate as SO4	mg/l		0.68
Total Solids - dissolved	mg/l		431
Turbidity	NTU	C16	39.2



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



**Report Number: 69598**

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 27/08/2015

<b>Sample Number</b>			129601
<b>Sample Description</b>			J / Kleinshans Raw WTW
<b>Sample Received Date</b>			27/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Ammonia as N	mg/l	C32
			0.03
	Chloride as Cl	mg/l	C34
			140.3
	E coli waste water(colilert)	MPN/100ML	M01
			1
	EC - Autotitrator @ 25°C	mS/m	C15
			83.1
	Fluoride as F	mg/l	C35
			0.85
	pH - Autotitrator @ 25°C	-	C14
			7.77
	pH @ Water Treatment Works (Plants)	-	
			9.17
	Sulphate as SO4	mg/l	C33
			90.69
	Total Solids - dissolved	mg/l	
			415
	Turbidity	NTU	C16
			34.6
	Turbidity @ WTW	NTU	
			43.7

Test List: RAW\_AUD\_MK

Scheme: Waainek WTW Raw

Received Date: 18/08/2015

<b>Sample Number</b>			129493
<b>Sample Description</b>			Waainek WTW Raw
<b>Sample Received Date</b>			18/08/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Hardness - Autotitrator	mg/l	C28
			10.61
	Ammonia as N	mg/l	
			0
	Chloride as Cl	mg/l	
			38.8
	E coli waste water(colilert)	MPN/100ML	M01
			6
	EC - Autotitrator @ 25°C	mS/m	C15
			17.54
	Fluoride as F	mg/l	
			0.12
	pH - Autotitrator @ 25°C	-	C14
			6.88
	Sulphate as SO4	mg/l	
			11.2
	Total Solids - dissolved	mg/l	
			87.7
	Turbidity	NTU	C16
			35.1





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**Scientific Services Department**  
 Preliminary Water Quality Report

Report Number: 69598

Test List: RAW\_AUD\_MK  
 Scheme: Waainek WTW Raw  
 Received Date: 27/08/2015

Sample Number			129598
Sample Description			Waainek WTW Raw
Sample Received Date			27/08/2015
Sample Completed Date			
Comment			
	Test	Units	Method No
	Ammonia as N	mg/l	C32
	Chloride as Cl	mg/l	C34
	Conductivity @ 25°C	mS/m	C15
	Fluoride as F	mg/l	C35
	pH @ 25°C	-	C14
	Sulphate as SO4	mg/l	C33
	Total Solids - dissolved	mg/l	
	Turbidity	NTU	C16



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