

268



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

---

Report Number: 69773

---

**Physical Address**

Amatola Water  
Scientific Services  
Nahoon Dam Complex

**Postal Address**

Private Bag X2  
East London  
5247

**Samples Submitted By:** Ntombi Tshicilela

Makana Municipality  
P.O.BOX 176  
Grahamstown  
6139

Reported Date: 03/12/2015

Enquiries: Mrs. N. Jiya

Tel No: (043) 709 3769

Fax No: (043) 745 9044





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

Report Number: 69773

Test List: EFFLUENT  
 Scheme: Alicedale WWTW  
 Received Date: 26/11/2015

Sample Number	131471		
Sample Description	Alicedale WWTW		
Sample Received Date	28/11/2015		
Sample Commencement Date	28/11/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Chlorine		mg/l	0.1
Waste water (colliert)	MPN/100ML	M01	1733

Test List: EFFLUENT  
 Scheme: Delmontvalley WWTW  
 Received Date: 26/11/2015

Sample Number	131472		
Sample Description	Delmontvalley WWTW		
Sample Received Date	28/11/2015		
Sample Commencement Date	28/11/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
E coli waste water (colliert)	MPN/100ML	M01	>2420

Test List: EFFLUENT  
 Scheme: Mayfield Effluent  
 Received Date: 12/11/2015

Sample Number	131323		
Sample Description	Mayfield Effluent		
Sample Received Date	12/11/2015		
Sample Commencement Date	12/11/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Ammonia as N		mg/l	C32
E coli waste water (colliert)	MPN/100ML	M01	1553
EC @ 25°C		mS/m	C15
Nitrate as N		mg/l	C53
Nitrite as N		mg/l	C39
Ortho phosphate - Aquakem as P		mg/l	C37

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





271

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: Alicedale Community Tap WTW

Received Date: 03/11/2015

Sample Number	131214		
Sample Description	Alicedale Community Tap WTW		
Sample Received Date	03/11/2015		
Sample Commencement Date	03/11/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	89.5
Aluminium as Al	µg/l	C09	146.9
Ammonia as N	mg/l	C32	0.03
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	17.34
Chloride as Cl	mg/l	C34	178.83
Chlorine	mg/l		1
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.14
Copper as Cu	µg/l	C02	0.71
EC - Autotitrator @ 25°C	mS/m	C29	72.31
Faecal coliforms count Membrane Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.16
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	83.1
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	13.24
Manganese as Mn	µg/l	C02	5.78
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	7.88
pH @ Water Treatment Works (Plants)	-		7.72
Potassium as K	mg/l	C01	3.29
Sodium as Na	mg/l	C01	99.88
Sulphate as SO4	mg/l	C33	22.89
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	1.6
Turbidity @ WTW	NTU		1.61
Zinc as Zn	µg/l	C02	16.57



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



272

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Alicedale Community Tap WTW  
 Received Date: 12/11/2015

Sample Number	131320		
Sample Description	Alicedale Community Tap WTW		
Sample Received Date	12/11/2015		
Sample Commencement Date	12/11/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	281.51
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	18.45
Chloride as Cl	mg/l	C34	183.29
Chlorine	mg/l		1.46
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	70.36
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.14
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	156.51
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	14.05
Manganese as Mn	µg/l	C02	17.25
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	7.84
pH @ Water Treatment Works (Plants)	-		8.07
Potassium as K	mg/l	C01	3.62
Sodium as Na	mg/l	C01	100.7
Sulphate as SO4	mg/l	C33	20.17
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		351.8
Turbidity	NTU	C16	3.77
Turbidity @ WTW	NTU		4.62
Zinc as Zn	µg/l	C02	19.6



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



273

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: Alicedale Community Tap WTW

Received Date: 17/11/2015

Sample Number	131362		
Sample Description	Alicedale Community Tap WTW		
Sample Received Date	17/11/2015		
Sample Commencement Date	17/11/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	165.09
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	18.5
Chloride as Cl	mg/l	C34	193.32
Chlorine	mg/l		2.2
Chromium as Cr	µg/l	C03	0.36
Cobalt as Co	µg/l	C03	0.31
Copper as Cu	µg/l	C02	1.45
EC - Autotitrator @ 25°C	mS/m	C29	80.61
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.18
Heterotrophic plate count @35°C	CFU/1ml		1
Iron (total) as Fe	µg/l	C02	94.44
Lead as Pb	µg/l	C02	1.57
Magnesium as Mg	mg/l	C01	14.73
Manganese as Mn	µg/l	C02	24
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	7.89
pH @ Water Treatment Works (Plants)	-		8.52
Potassium as K	mg/l	C01	4.5
Sodium as Na	mg/l	C01	109.79
Sulfate as SO4	mg/l	C33	21.21
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		403.04
Turbidity	NTU	C16	5.57
Turbidity @ WTW	NTU		7.98
Zinc as Zn	µg/l	C02	24.63



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



274

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

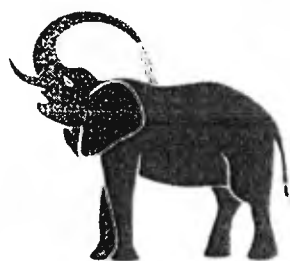
Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Alicedale Community Tap WTW  
 Received Date: 26/11/2015

<b>Sample Number</b>	131467		
<b>Sample Description</b>	Alicedale Community Tap WTW		
<b>Sample Received Date</b>	26/11/2015		
<b>Sample Commencement Date</b>	26/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Chlorine	mg/l	
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Magnesium as Mg	mg/l	C01
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



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



# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

275

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Beaufort Str Police Station  
 Received Date: 12/11/2015

Sample Number	131317		
Sample Description	Beaufort Str Police Station		
Sample Received Date	12/11/2015		
Sample Commencement Date	12/11/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	46.32
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	8.23
Chloride as Cl	mg/l	C34	45.18
Chlorine	mg/l		0.23
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	8.04
EC - Autotitrator @ 25°C	mS/m	C29	21.17
Faecal coliforms count Membrane Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.04
Heterotrophic plate count @35°C	CFU/1ml	M03	>1000
Iron (total) as Fe	µg/l	C02	77.52
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.02
Manganese as Mn	µg/l	C02	2.45
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	9.11
pH @ Water Treatment Works (Plants)	-		9.98
Potassium as K	mg/l	C01	0.6
Sodium as Na	mg/l	C01	26.73
Sulphate as SO4	mg/l	C33	8.89
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		105.85
Turbidity	NTU	C16	0.67
Turbidity @ WTW	NTU		0.8
Zinc as Zn	µg/l	C02	2.1



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





276

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: Beaufort Str Police Station

Received Date: 26/11/2015

<b>Sample Number</b>			131484
<b>Sample Description</b>			Beaufort Str Police Station
<b>Sample Received Date</b>			26/11/2015
<b>Sample Commencement Date</b>			26/11/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Chlorine	mg/l	
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Magnesium as Mg	mg/l	C01
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	

Test List: FINAL\_MK

Scheme: Riebeeck Communal Tap

Received Date: 26/11/2015

<b>Sample Number</b>			131483
<b>Sample Description</b>			Riebeeck Communal Tap
<b>Sample Received Date</b>			26/11/2015
<b>Sample Commencement Date</b>			26/11/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Chlorine	mg/l	
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Magnesium as Mg	mg/l	C01
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



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



277

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Extension 7 Clinic  
 Received Date: 12/11/2015

Sample Number			131314
Sample Description			Extension 7 Clinic
Sample Received Date			12/11/2015
Sample Commencement Date			12/11/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	38.66
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	30.76
Chloride as Cl	mg/l	C34	102.12
Chlorine	mg/l		0.42
Chromium as Cr	µg/l	C03	0.06
Cobalt as Co	µg/l	C03	0.05
Copper as Cu	µg/l	C02	1.4
EC - Autotitrator @ 25°C	mS/m	C29	87.88
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.69
Heterotrophic plate count @35°C	CFU/1ml	M03	75
Iron (total) as Fe	µg/l	C02	16.53
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	23.84
Manganese as Mn	µg/l	C02	1.14
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	8.64
pH @ Water Treatment Works (Plants)	-		9.76
Potassium as K	mg/l	C01	2.98
Sodium as Na	mg/l	C01	122.88
Sulfate as SO4	mg/l	C33	65.61
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		439.42
Turbidity	NTU	C16	1.27
Turbidity @ WTW	NTU		1.36
Zinc as Zn	µg/l	C02	0



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





279

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Indoor Sports Centre  
 Received Date: 12/11/2015

Sample Number	131313		
Sample Description	Indoor Sports Centre		
Sample Received Date	12/11/2015		
Sample Commencement Date	12/11/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
Arsenic as As	µg/l	C09	20.11
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	30.88
Chloride as Cl	mg/l	C34	101.74
Chlorine	mg/l		0.29
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0.09
Copper as Cu	µg/l	C02	0.34
EC - Autotitrator @ 25°C	mS/m	C29	88.14
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.69
Heterotrophic plate count @35°C	CFU/1ml	M03	3
Iron (total) as Fe	µg/l	C02	6.33
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	23.9
Manganese as Mn	µg/l	C02	0.59
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	8.64
pH @ Water Treatment Works (Plants)	-		9.68
Potassium as K	mg/l	C01	3.02
Sodium as Na	mg/l	C01	123.14
Sulphate as SO4	mg/l	C33	65.4
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		440.69
Turbidity	NTU	C16	0.79
Turbidity @ WTW	NTU		0.87
Zinc as Zn	µg/l	C02	0



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



# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: J / Kleinshans Final WTW  
 Received Date: 12/11/2015

<b>Sample Number</b>	131321		
<b>Sample Description</b>	J / Kleinshans Final WTW		
<b>Sample Received Date</b>	12/11/2015		
<b>Sample Commencement Date</b>	12/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	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 @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulfate 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





281

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: J / Kleinshans Final WTW

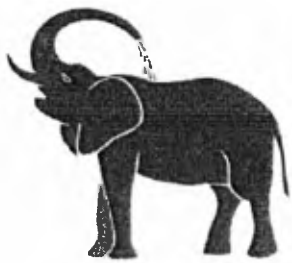
Received Date: 17/11/2015

Sample Number	131363		
Sample Description	J / Kleinshans Final WTW		
Sample Received Date	17/11/2015		
Sample Commencement Date	17/11/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	29.49
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	29.81
Chloride as Cl	mg/l	C34	116.44
Chlorine	mg/l		0.14
Chromium as Cr	µg/l	C03	0.68
Cobalt as Co	µg/l	C03	0.36
Copper as Cu	µg/l	C02	4.58
EC - Autotitrator @ 25°C	mS/m	C29	90.53
Faecal coliforms count Membrane Filtration	CFU/100ml	M05	1
Fluoride as F	mg/l	C35	0.69
Heterotrophic plate count @35°C	CFU/1ml		>1000
Iron (total) as Fe	µg/l	C02	7.71
Lead as Pb	µg/l	C02	1.23
Magnesium as Mg	mg/l	C01	24.98
Manganese as Mn	µg/l	C02	0.37
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	8.62
pH @ Water Treatment Works (Plants)	-		8.97
Potassium as K	mg/l	C01	3.1
Sodium as Na	mg/l	C01	124.06
Sulphate as SO4	mg/l	C33	65.52
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	>2420
Total Solids - dissolved	mg/l		452.65
Turbidity	NTU	C16	1.03
Turbidity @ WTW	NTU		1.42
Zinc as Zn	µg/l	C02	0



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





283

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: J Street Community Tap  
 Received Date: 12/11/2015

Sample Number	131312		
Sample Description	J Street Community Tap		
Sample Received Date	12/11/2015		
Sample Commencement Date	12/11/2015		
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	38.15
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	30.77
Chloride as Cl	mg/l	C34	102.07
Chlorine	mg/l		0.33
Chromium as Cr	µg/l	C03	0.09
Cobalt as Co	µg/l	C03	0.08
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	88.51
Faecal coliforms count Membrane Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.69
Heterotrophic plate count @35°C	CFU/1ml	M03	126
Iron (total) as Fe	µg/l	C02	16.05
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	23.85
Manganese as Mn	µg/l	C02	1.02
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	8.64
pH @ Water Treatment Works (Plants)	-		9.72
Potassium as K	mg/l	C01	2.99
Sodium as Na	mg/l	C01	122.98
Sulphate as SO4	mg/l	C33	65.52
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	3
Total Solids - dissolved	mg/l		442.55
Turbidity	NTU	C16	1.12
Turbidity @ WTW	NTU		2.04
Zinc as Zn	µg/l	C02	0







284

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

Report Number: 69773

Test List: FINAL\_MK  
Scheme: J Street Community Tap  
Received Date: 26/11/2015

Sample Number	131459		
Sample Description	J Street Community Tap		
Sample Received Date	28/11/2015		
Sample Commencement Date	28/11/2015		
Sample Completed Date			
Comment			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Chlorine	mg/l	
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Membrane Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Magnesium as Mg	mg/l	C01
	pH - Autotitrator @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



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



285

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 12/11/2015

<b>Sample Number</b>	131311		
<b>Sample Description</b>	Nonzwakazi Community Tap in		
<b>Sample Received Date</b>	12/11/2015		
<b>Sample Commencement Date</b>	12/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Aluminium as Al	µg/l	C09	4.82
Ammonia as N	mg/l	C32	0
Arsenium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	18.03
Chloride as Cl	mg/l	C34	158.03
Chlorine	mg/l		0.05
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	70.65
Faecal coliforms count Member Filtration	CFU/100ml	M05	1
Fluoride as F	mg/l	C35	0.14
Heterotrophic plate count @35°C	CFU/1ml	M03	54
Iron (total) as Fe	µg/l	C02	0
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	13.95
Manganese as Mn	µg/l	C02	7.13
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	7.91
pH @ Water Treatment Works (Plants)	-		8.04
Potassium as K	mg/l	C01	3.47
Sodium as Na	mg/l	C01	99.42
Sulfate as SO4	mg/l	C33	20.72
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	49
Total Solids - dissolved	mg/l		353.24
Turbidity	NTU	C16	4.63
Turbidity @ WTW	NTU		3.64
Zinc as Zn	µg/l	C02	68.18



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



286

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: Nonzwakazi Community Tap in Alicedale

Received Date: 26/11/2015

<b>Sample Number</b>			<b>131458</b>
<b>Sample Description</b>			Nonzwakazi Community Tap in
<b>Sample Received Date</b>			26/11/2015
<b>Sample Commencement Date</b>			26/11/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Chlorine	mg/l	
	Total coliforms count Member Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/1ml	M03
	Magnesium as Mg	mg/l	C01
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	



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



287

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK

Scheme: Riebeeck East Network Reservoir

Received Date: 12/11/2015

Sample Number	131310		
Sample Description	Riebeeck East Network Reservoir		
Sample Received Date	12/11/2015		
Sample Commencement Date	12/11/2015		
Sample Completed Date			
Comment			
	Test	Units	Method No
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Antimony as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	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 @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulfate 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



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

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Riebeeck East Network Reservoir  
 Received Date: 26/11/2015

<b>Sample Number</b>			131457
<b>Sample Description</b>			Riebeeck East Network Reservoir
<b>Sample Received Date</b>			26/11/2015
<b>Sample Commencement Date</b>			26/11/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Chlorine	mg/l	0.6
	Total coliforms count Membrane Filtration	CFU/100ml	M05
	Heterotrophic plate count @35°C	CFU/ml	M03
	Magnesium as Mg	mg/l	C01
	pH @ Water Treatment Works (Plants)	-	7.16
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	1.95





# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 03/11/2015

<b>Sample Number</b>			131210
<b>Sample Description</b>			Waainek WTW Final
<b>Sample Received Date</b>			03/11/2015
<b>Sample Commencement Date</b>			03/11/2015
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Hardness - Autotitrator	mg/l	C28
	Aluminium as Al	µg/l	C09
	Ammonia as N	mg/l	C32
	Cadmium as Cd	µg/l	C03
	Calcium as Ca	mg/l	C01
	Chloride as Cl	mg/l	C34
	Chlorine	mg/l	0.22
	Chromium as Cr	µg/l	C03
	Cobalt as Co	µg/l	C03
	Copper as Cu	µg/l	C02
	EC - Autotitrator @ 25°C	mS/m	C29
	Faecal coliforms count Member Filtration	CFU/100ml	M05
	Fluoride as F	mg/l	C35
	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 @ 25°C	-	C30
	pH @ Water Treatment Works (Plants)	-	6.53
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Total coliform bacteria Membrane Filtration	CFU/100ml	M04
	Turbidity	NTU	C16
	Turbidity @ WTW	NTU	0.64
	Zinc as Zn	µg/l	C02



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



300

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 12/11/2015

Sample Number			131318
Sample Description			Waainek WTW Final
Sample Received Date			12/11/2015
Sample Commencement Date			12/11/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	35.01
Ammonia as N	mg/l	C32	0
Arsenium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	2.73
Chloride as Cl	mg/l	C34	45.56
Chlorine	mg/l		0.99
Chromium as Cr	µg/l	C03	0
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
EC - Autotitrator @ 25°C	mS/m	C29	19.18
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0.03
Heterotrophic plate count @35°C	CFU/1ml	M03	<1
Iron (total) as Fe	µg/l	C02	18.87
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.95
Manganese as Mn	µg/l	C02	10.48
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	6.56
pH @ Water Treatment Works (Plants)	-		6.59
Potassium as K	mg/l	C01	0.55
Sodium as Na	mg/l	C01	27.07
Sulfate as SO4	mg/l	C33	8.46
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		95.9
Turbidity	NTU	C16	0.62
Turbidity @ WTW	NTU		0.74
Zinc as Zn	µg/l	C02	1.07



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



291

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 17/11/2015

Sample Number			131360
Sample Description			Waainek WTW Final
Sample Received Date			17/11/2015
Sample Commencement Date			17/11/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Aluminium as Al	µg/l	C09	29.1
Ammonia as N	mg/l	C32	0
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	2.94
Chloride as Cl	mg/l	C34	50.67
Chlorine	mg/l		0.78
Chromium as Cr	µg/l	C03	0.19
Cobalt as Co	µg/l	C03	0.34
Copper as Cu	µg/l	C02	0.47
EC - Autotitrator @ 25°C	mS/m	C29	20.41
Faecal coliforms count Member Filtration	CFU/100ml	M05	<1
Fluoride as F	mg/l	C35	0
Heterotrophic plate count @35°C	CFU/1ml		2
Iron (total) as Fe	µg/l	C02	18.04
Lead as Pb	µg/l	C02	0.74
Magnesium as Mg	mg/l	C01	4.25
Manganese as Mn	µg/l	C02	39.82
Nickel as Ni	µg/l	C03	0
pH - Autotitrator @ 25°C	-	C30	6.72
pH @ Water Treatment Works (Plants)	-		5.93
Potassium as K	mg/l	C01	0.56
Sodium as Na	mg/l	C01	28.62
Sulfate as SO4	mg/l	C33	8.54
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Total Solids - dissolved	mg/l		102.05
Turbidity	NTU	C16	0.65
Turbidity @ WTW	NTU		0.74
Zinc as Zn	µg/l	C02	4.6



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





202

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: FINAL\_MK  
 Scheme: Waainek WTW Final  
 Received Date: 26/11/2015

<b>Sample Number</b>	131465		
<b>Sample Description</b>	Waainek WTW Final		
<b>Sample Received Date</b>	28/11/2015		
<b>Sample Commencement Date</b>	28/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Calcium as Ca	mg/l	C01	2.82
Chlorine	mg/l		2.02
Fecal coliforms count Member Filtration	CFU/100ml	M05	<1
Heterotrophic plate count @35°C	CFU/1ml	M03	27
Magnesium as Mg	mg/l	C01	3.93
pH @ Water Treatment Works (Plants)	-		8.38
Potassium as K	mg/l	C01	0.5
Sodium as Na	mg/l	C01	26.22
Total coliform bacteria Membrane Filtration	CFU/100ml	M04	<1
Turbidity	NTU	C16	0.35
Turbidity @ WTW	NTU		0.47



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



293

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: RAW\_AUD\_MK  
 Scheme: J / Kleinshans Raw WTW  
 Received Date: 03/11/2015

Sample Number	131216		
Sample Description	J / Kleinshans Raw WTW		
Sample Received Date	03/11/2015		
Sample Commencement Date	03/11/2015		
Sample Completed Date			
Comment	EMPTY		
	Test	Units	Method No
	Hardness - Autotitrator	mg/l	C28
			273.5
	Ammonia as N	mg/l	C32
			0
	Cadmium as Cd	µg/l	C03
			0
	Calcium as Ca	mg/l	C01
			32.15
	Chloride as Cl	mg/l	C34
			99.93
	Chromium as Cr	µg/l	C03
			0.15
	Cobalt as Co	µg/l	C03
			0.23
	Copper as Cu	µg/l	C02
			1.69
	E coli waste water(collert)	MPN/100ML	M01
			15
	Fluoride as F	mg/l	C35
			0.78
	Iron (total) as Fe	µg/l	C02
			1.25
	Lead as Pb	µg/l	C02
			0.05
	Magnesium as Mg	mg/l	C01
			22.79
	Manganese as Mn	µg/l	C02
			0.26
	Nickel as Ni	µg/l	C03
			0
	pH @ Water Treatment Works (Plants)		
			8.96
	Potassium as K	mg/l	C01
			2.68
	Sodium as Na	mg/l	C01
			125.45
	Sulphate as SO4	mg/l	C33
			65.14
	Turbidity	NTU	C16
			76.2
	Turbidity @ WTW	NTU	
			103
	Cadmium as Zn	µg/l	C02
			0.64



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



204

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: RAW\_AUD\_MK  
 Scheme: J / Kleinshans Raw WTW  
 Received Date: 12/11/2015

<b>Sample Number</b>	131322		
<b>Sample Description</b>	J / Kleinshans Raw WTW		
<b>Sample Received Date</b>	12/11/2015		
<b>Sample Commencement Date</b>	12/11/2015		
<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
	Mercury as Cd	µg/l	C03
			0
	Calcium as Ca	mg/l	C01
			31.18
	Chloride as Cl	mg/l	C34
			114.08
	Chromium as Cr	µg/l	C03
			0
	Cobalt as Co	µg/l	C03
			0.08
	Copper as Cu	µg/l	C02
			0
	E coli waste water (colliert)	MPN/100ML	M01
			2
	Fluoride as F	mg/l	C35
			0.75
	Iron (total) as Fe	µg/l	C02
			0.54
	Lead as Pb	µg/l	C02
			0
	Magnesium as Mg	mg/l	C01
			23.89
	Manganese as Mn	µg/l	C02
			0.23
	Nickel as Ni	µg/l	C03
			0
	Potassium as K	mg/l	C01
			2.97
	Sodium as Na	mg/l	C01
			124.74
	Sulphate as SO4	mg/l	C33
			64.67
	Turbidity	NTU	C16
			39
	Zinc as Zn	µg/l	C02
			0



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



2915

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 17/11/2015

<b>Sample Number</b>	131364		
<b>Sample Description</b>	J / Kleinshans Raw WTW		
<b>Sample Received Date</b>	17/11/2015		
<b>Sample Commencement Date</b>	17/11/2015		
<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
Lead as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	32.07
Chloride as Cl	mg/l	C34	112.04
Chromium as Cr	µg/l	C03	0.96
Cobalt as Co	µg/l	C03	0.19
Copper as Cu	µg/l	C02	2.29
E coli waste water (colliert)	MPN/100ML	M01	<1
Fluoride as F	mg/l	C35	0.77
Iron (total) as Fe	µg/l	C02	0
Lead as Pb	µg/l	C02	1.01
Magnesium as Mg	mg/l	C01	24.83
Manganese as Mn	µg/l	C02	0.16
Nickel as Ni	µg/l	C03	0
pH @ Water Treatment Works (Plants)	-		9.14
Potassium as K	mg/l	C01	3.14
Sodium as Na	mg/l	C01	125.01
Sulphate as SO4	mg/l	C33	65.5
Turbidity	NTU	C16	68.9
Turbidity @ WTW	NTU		86.7
Zinc as Zn	µg/l	C02	0.63

Test List: RAW\_AUD\_MK

Scheme: J / Kleinshans Raw WTW

Received Date: 26/11/2015

<b>Sample Number</b>	131469		
<b>Sample Description</b>	J / Kleinshans Raw WTW		
<b>Sample Received Date</b>	26/11/2015		
<b>Sample Commencement Date</b>	26/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
Calcium as Ca	mg/l	C01	31.28
E coli waste water (colliert)	MPN/100ML	M01	9
Magnesium as Mg	mg/l	C01	23.41
Potassium as K	mg/l	C01	3.05
Sodium as Na	mg/l	C01	133.08
Turbidity	NTU	C16	82.1
Turbidity @ WTW	NTU		122



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



296

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: RAW\_AUD\_MK  
 Scheme: Waainek WTW Raw  
 Received Date: 03/11/2015

Sample Number			131213
Sample Description			Waainek WTW Raw
Sample Received Date			03/11/2015
Sample Commencement Date			03/11/2015
Sample Completed Date			
Comment			
Test	Units	Method No	
Alkalinity - Autotitrator	mg/l	C28	13.06
Ammonia as N	mg/l	C32	0.04
Barium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	3.18
Chloride as Cl	mg/l	C34	46.69
Chromium as Cr	µg/l	C03	1.61
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0.84
E coli waste water(coliert)	MPN/100ML	M01	4
Fluoride as F	mg/l	C35	0.11
Iron (total) as Fe	µg/l	C02	163.97
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.74
Manganese as Mn	µg/l	C02	3.45
Nickel as Ni	µg/l	C03	0.35
pH @ Water Treatment Works (Plants)	-		6.33
Potassium as K	mg/l	C01	0.67
Sodium as Na	mg/l	C01	27.07
Sulphate as SO4	mg/l	C33	11.45
Turbidity	NTU	C16	22.1
Turbidity @ WTW	NTU		21.1
Zinc as Zn	µg/l	C02	60.03



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



297

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: RAW\_AUD\_MK  
 Scheme: Waainek WTW Raw  
 Received Date: 12/11/2015

<b>Sample Number</b>	131319		
<b>Sample Description</b>	Waainek WTW Raw		
<b>Sample Received Date</b>	12/11/2015		
<b>Sample Commencement Date</b>	12/11/2015		
<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
Cadmium as Cd	µg/l	C03	0
Calcium as Ca	mg/l	C01	3.19
Chloride as Cl	mg/l	C34	50.28
Chromium as Cr	µg/l	C03	1.11
Cobalt as Co	µg/l	C03	0
Copper as Cu	µg/l	C02	0
E coli waste water(collert)	MPN/100ML	M01	3
Fluoride as F	mg/l	C35	0.1
Lead as Pb	µg/l	C02	0
Magnesium as Mg	mg/l	C01	3.92
Manganese as Mn	µg/l	C02	3.59
Nickel as Ni	µg/l	C03	0
pH @ Water Treatment Works (Plants)	-		6.43
Potassium as K	mg/l	C01	0.75
Sodium as Na	mg/l	C01	29.09
Sulphate as SO4	mg/l	C33	10.38
Turbidity	NTU	C16	19.9
Turbidity @ WTW	NTU		21.6
Zinc as Zn	µg/l	C02	44.9



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



298

# Amatola Water Amanzi - *Water is life*

## Scientific Services Department

### Preliminary Water Quality Report

Report Number: 69773

Test List: RAW\_AUD\_MK  
 Scheme: Waainek WTW Raw  
 Received Date: 17/11/2015

<b>Sample Number</b>	131361		
<b>Sample Description</b>	Waainek WTW Raw		
<b>Sample Received Date</b>	17/11/2015		
<b>Sample Commencement Date</b>	17/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Ammonia as N	mg/l	C32
	Ammonium as Cd	µg/l	C03
	Ammonium 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
	Fluoride as F	mg/l	C35
	Lead as Pb	µg/l	C02
	Magnesium as Mg	mg/l	C01
	Manganese as Mn	µg/l	C02
	Nickel as Ni	µg/l	C03
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Sulphate as SO4	mg/l	C33
	Turbidity	NTU	C16
	Zinc as Zn	µg/l	C02

Test List: RAW\_AUD\_MK  
 Scheme: Waainek WTW Raw  
 Received Date: 26/11/2015

<b>Sample Number</b>	131466		
<b>Sample Description</b>	Waainek WTW Raw		
<b>Sample Received Date</b>	26/11/2015		
<b>Sample Commencement Date</b>	26/11/2015		
<b>Sample Completed Date</b>			
<b>Comment</b>			
	<b>Test</b>	<b>Units</b>	<b>Method No</b>
	Calcium as Ca	mg/l	C01
	Magnesium as Mg	mg/l	C01
	Potassium as K	mg/l	C01
	Sodium as Na	mg/l	C01
	Turbidity	NTU	C16



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