

CERTIFICATE OF ANALYSIS

Client : Pathcare Laboratories Report No : WT2020-00373 Delivery Date : 20/01/2020
Address : N/A Samples : 8 Delivery Time : 10:25:00
Phone : N/A Sample Type : Water Order No/Ref : N/A
Contact : Anél Schreuder
Email : anel.schreuder@bemlab.co.za,admin@bemlab.co.za,gail.samuels@bemlab.co.za

Sample Information

	WT20-00821	WT20-00822	WT20-00823
Lab Number	WT20-00821	WT20-00822	WT20-00823
Sampling Date	2020/01/16	2020/01/16	2020/01/16
Sampling Time	10:00	10:00	10:00
Sample Temperature °C:	8.6	8.5	8.9
Sample ID:	728178400	728178401	728178402

Chemical Determinands - Micro Determinands

	Unit	Result		
Boron as B(Total)	mg/L	<0.08	0.08	<0.08
Iron as Fe (Total)	mg/L	0.93	0.90	1.4
Manganese as Mn(Total)	mg/L	0.11	0.10	0.25

Chemistry - Macro Determinands

	Unit	Result		
Chloride as Cl (Titrand)	mg/L	62.0	61.0	60.0
Sodium as Na	mg/L	31.9	32.3	31.7
Sulphate as SO ₄	mg/L	9.5	11.3	9.3

General Chemistry

	Unit	Result		
Alkalinity as CaCO ₃ (Titrand)		37.0	36.0	34.0
Calcium as Ca	mg/L	8.2	8.3	7.3
Magnesium as Mg	mg/L	6.4	6.5	6.2
Potassium as K	mg/L	3.3	3.1	2.9
Langelier Index *		-2.0	-2.0	-2.1
Sodium Adsorption Ratio (SAR)		2.0	2.0	2.1

Physical & Aesthetic Determinands

	Unit	Result		
Total Dissolved Solids (Calc) *	mg/L	183	186	179
pH (Titrand Method) (20°C)	pH Units	7.1	7.1	7.1
Electrical Conductivity (Titrand)	mS/m (25°C)	28.1	28.7	27.5

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Sample Information				
Lab Number		WT20-00824	WT20-00825	WT20-00826
Sampling Date		2020/01/16	2020/01/16	2020/01/16
Sampling Time		10:00	10:00	10:00
Sample Temperature °C:		8.0	7.9	8.0
Sample ID:		728178403	728178404	728178405
Chemical Determinands - Micro Determinands				
	Unit	Result		
Boron as B(Total)	mg/L	0.25	0.09	<0.08
Iron as Fe (Total)	mg/L	1.2	1.0	1.1
Manganese as Mn(Total)	mg/L	0.14	0.14	0.17
Chemistry - Macro Determinands				
	Unit	Result		
Chloride as Cl (Titrand)	mg/L	62.0	59.0	62.0
Sodium as Na	mg/L	31.5	31.2	31.1
Sulphate as SO ₄	mg/L	10.8	23.2	10.3
General Chemistry				
	Unit	Result		
Alkalinity as CaCO ₃ (Titrand)		31.0	17.0	32.0
Calcium as Ca	mg/L	7.3	7.5	7.3
Magnesium as Mg	mg/L	6.2	6.4	6.3
Potassium as K	mg/L	3.5	2.9	2.8
Langelier Index *		-2.1	-2.5	-1.8
Sodium Adsorption Ratio (SAR)		2.1	2.0	2.0
Physical & Aesthetic Determinands				
	Unit	Result		
Total Dissolved Solids (Calc) *	mg/L	178	188	179
pH (Titrand Method) (20°C)	pH Units	7.1	7.0	7.4
Electrical Conductivity (Titrand)	mS/m (25°C)	27.4	29.0	27.5

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Phone : N/A	Sample Type : Water	Order No/Ref : N/A
Contact : Anél Schreuder		
Email : anel.schreuder@bemlab.co.za,admin@bemlab.co.za,gail.samuels@bemlab.co.za		

Sample Information

Lab Number	WT20-00827	WT20-00828
Sampling Date	2020/01/16	2020/01/16
Sampling Time	10:00	10:00
Sample Temperature °C:	5.6	5.8
Sample ID:	728178406	728178407

Chemical Determinands - Micro Determinands

	Unit		Result
Boron as B(Total)	mg/L	<0.08	<0.08
Iron as Fe (Total)	mg/L	1.2	1.0
Manganese as Mn(Total)	mg/L	0.17	0.22

Chemistry - Macro Determinands

	Unit		Result
Chloride as Cl (Titrand)	mg/L	61.0	57.0
Sodium as Na	mg/L	31.0	31.1
Sulphate as SO ₄	mg/L	9.5	9.7

General Chemistry

	Unit		Result
Alkalinity as CaCO ₃ (Titrand)		36.0	34.0
Calcium as Ca	mg/L	7.2	7.0
Magnesium as Mg	mg/L	6.2	6.2
Potassium as K	mg/L	2.8	2.7
Langelier Index *		-1.9	-2.2
Sodium Adsorption Ratio (SAR)		2.0	2.1

Physical & Aesthetic Determinands

	Unit		Result
Total Dissolved Solids (Calc) *	mg/L	178	182
pH (Titrand Method) (20°C)	pH Units	7.3	7.1
Electrical Conductivity (Titrand)	mS/m (25°C)	27.4	28.0

