Site Samples

Site :	Lab Tap	Date:	2021-12-08	Status: Finalized
Ref No:	2021/12/09/51583	Time :	08:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.04	
Ammonia as N	H8038	mg/L	0.00	
Fluoride as F^-	H8029	mg/L	0.19	
Nitrate	H8171	mg/L	0.33	
Sulfate as SO4	H8051	mg/L	110	
Iron as Fe	H8008	µg/L	20	
Copper as Cu	H8143	µg/L	10	
Chloride as Cl^-	SABS 202	mg/L	34	
Ortho Phosphate	H8178	mg/L	0.10	
Calcium as Ca	APHA 306C	mg/L	53.0	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.25	
Conductivity at 25º C	SABS 1057	mS/m	66.48	
Turbidity (aesthetic)	SABS 197	NTU	0.570	
Colour	H8025	mg/L Pt-Co	16.60	

Site :	WTW Final 2 OW 2	Date:	2021-12-08	Status: Finalized
Ref No:	2021/12/09/51584	Time :	08:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	2.00	
Ammonia as N	H8038	mg/L	0.03	
Fluoride as F^-	H8029	mg/L	0.19	
Nitrate	H8171	mg/L	0.37	
Sulfate as SO4	H8051	mg/L	105	
Iron as Fe	H8008	µg/L	10	
Copper as Cu	H8143	µg/L	7	
Chloride as Cl^-	SABS 202	mg/L	36	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	52.4	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.05	
Conductivity at 25º C	SABS 1057	mS/m	65.51	
Turbidity (aesthetic)	SABS 197	NTU	0.720	
Colour	H8025	mg/L Pt-Co	13.09	

Site :	WTW Final 3 NW	Date:	2021-12-08	Status: Finalized
Ref No:	2021/12/09/51585	Time :	08:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	2.40	
Ammonia as N	H8038	mg/L	0.02	
Fluoride as F^-	H8029	mg/L	0.17	
Nitrate	H8171	mg/L	0.28	
Sulfate as SO4	H8051	mg/L	105	
Iron as Fe	H8008	µg/L	40	
Copper as Cu	H8143	µg/L	4	
Chloride as Cl^-	SABS 202	mg/L	33	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	54.2	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.07	
Conductivity at 25º C	SABS 1057	mS/m	66.01	
Turbidity (aesthetic)	SABS 197	NTU	0.360	
Colour	H8025	mg/L Pt-Co	7.73	

Site :	WTW Final 4 POTCH	Date:	2021-12-08	Status: Finalized
Ref No:	2021/12/09/51586	Time :	08:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	1.90	
Ammonia as N	H8038	mg/L	0.03	
Fluoride as F^-	H8029	mg/L	0.23	
Nitrate	H8171	mg/L	0.30	
Sulfate as SO4	H8051	mg/L	107	
Iron as Fe	H8008	µg/L	60	
Copper as Cu	H8143	µg/L	3	
Chloride as Cl^-	SABS 202	mg/L	35	
Ortho Phosphate	H8178	mg/L	0.10	
Calcium as Ca	APHA 306C	mg/L	54.5	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	7.99	
Conductivity at 25º C	SABS 1057	mS/m	66.91	
Turbidity (aesthetic)	SABS 197	NTU	1.77	
Colour	H8025	mg/L Pt-Co	18.86	

72 Samples

Site Samples

Site :	2 Oswald Str	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51683	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.03	
Ammonia as N	H8038	mg/L	0.03	
Fluoride as F^-	H8029	mg/L	0.35	
Nitrate	H8171	mg/L	0.37	
Sulfate as SO4	H8051	mg/L	105	
Iron as Fe	H8008	µg/L	50	
Copper as Cu	H8143	µg/L	4	
Chloride as Cl^-	SABS 202	mg/L	35	
Ortho Phosphate	H8178	mg/L	0.07	
Calcium as Ca	APHA 306C	mg/L	51.2	
Nitrite		mg/L	0.000	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	114	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.07	
Conductivity at 25º C	SABS 1057	mS/m	62.40	
Turbidity (aesthetic)	SABS 197	NTU	3.62	
Suspended Solids	SABS 1049:1990	mg/L	7.2	
Total Dissolved Solids	SABS 213:1990	mg/L	633	
Colour	H8025	mg/L Pt-Co	21.76	

Site :	10 Oswald Str	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51684	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.03	
Ammonia as N	H8038	mg/L	0.01	
Fluoride as F^-	H8029	mg/L	0.41	
Nitrate	H8171	mg/L	0.37	
Sulfate as SO4	H8051	mg/L	103	
Iron as Fe	H8008	µg/L	270	
Copper as Cu	H8143	µg/L	4	
Chloride as Cl^-	SABS 202	mg/L	35	
Ortho Phosphate	H8178	mg/L	0.07	
Calcium as Ca	APHA 306C	mg/L	51.1	
Nitrite		mg/L	0.000	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	136	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.16	
Conductivity at 25º C	SABS 1057	mS/m	62.48	
Turbidity (aesthetic)	SABS 197	NTU	3.95	
Suspended Solids	SABS 1049:1990	mg/L	7.6	
Total Dissolved Solids	SABS 213:1990	mg/L	620	
Colour	H8025	mg/L Pt-Co	20.73	

Site :	12 Oswald Str	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51685	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.06	
Ammonia as N	H8038	mg/L	0.01	
Fluoride as F^-	H8029	mg/L	0.37	
Nitrate	H8171	mg/L	0.34	
Sulfate as SO4	H8051	mg/L	105	
Iron as Fe	H8008	µg/L	590	
Copper as Cu	H8143	µg/L	3	
Chloride as Cl^-	SABS 202	mg/L	36	
Ortho Phosphate	H8178	mg/L	0.01	
Calcium as Ca	APHA 306C	mg/L	50.2	
Nitrite		mg/L	0.000	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	109	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.08	
Conductivity at 25º C	SABS 1057	mS/m	63.04	
Turbidity (aesthetic)	SABS 197	NTU	3.30	
Suspended Solids	SABS 1049:1990	mg/L	8.4	
Total Dissolved Solids	SABS 213:1990	mg/L	629	
Colour	H8025	mg/L Pt-Co	21.24	

Site :	14 Oswald Str	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51686	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.03	
Ammonia as N	H8038	mg/L	0.05	
Fluoride as F^-	H8029	mg/L	0.37	
Nitrate	H8171	mg/L	0.39	
Sulfate as SO4	H8051	mg/L	102	
Iron as Fe	H8008	µg/L	60	
Copper as Cu	H8143	µg/L	1	
Chloride as Cl^-	SABS 202	mg/L	39	
Ortho Phosphate	H8178	mg/L	0.01	
Calcium as Ca	APHA 306C	mg/L	51.3	
Nitrite		mg/L	0.000	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	87	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.11	
Conductivity at 25º C	SABS 1057	mS/m	69.04	
Turbidity (aesthetic)	SABS 197	NTU	2.79	
Suspended Solids	SABS 1049:1990	mg/L	7.6	
Total Dissolved Solids	SABS 213:1990	mg/L	496	
Colour	H8025	mg/L Pt-Co	23.06	

Site :	Ventersdorp Road Reservoir	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51687	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.30	
Ammonia as N	H8038	mg/L	0.02	
Fluoride as F^-	H8029	mg/L	0.11	
Nitrate	H8171	mg/L	0.21	
Sulfate as SO4	H8051	mg/L	102	
Iron as Fe	H8008	µg/L	70	
Copper as Cu	H8143	µg/L	4	
Chloride as Cl^-	SABS 202	mg/L	34	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	47.2	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	4	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.19	
Conductivity at 25º C	SABS 1057	mS/m	64.68	
Turbidity (aesthetic)	SABS 197	NTU	0.800	
Suspended Solids	SABS 1049:1990	mg/L	0.4	
Total Dissolved Solids	SABS 213:1990	mg/L	510	
Colour	H8025	mg/L Pt-Co	21.25	

Site :	18845	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51688	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.12	
Ammonia as N	H8038	mg/L	0.06	
Fluoride as F^-	H8029	mg/L	0.09	
Nitrate	H8171	mg/L	0.30	
Sulfate as SO4	H8051	mg/L	108	
Iron as Fe	H8008	µg/L	90	
Copper as Cu	H8143	µg/L	6	
Chloride as Cl^-	SABS 202	mg/L	34	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	47.4	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	2	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.20	
Conductivity at 25º C	SABS 1057	mS/m	64.79	
Turbidity (aesthetic)	SABS 197	NTU	2.42	
Suspended Solids	SABS 1049:1990	mg/L	4.8	
Total Dissolved Solids	SABS 213:1990	mg/L	790	
Colour	H8025	mg/L Pt-Co	41.89	

Site :	18894	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51689	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.04	
Ammonia as N	H8038	mg/L	0.07	
Fluoride as F^-	H8029	mg/L	0.12	
Nitrate	H8171	mg/L	0.27	
Sulfate as SO4	H8051	mg/L	109	
Iron as Fe	H8008	µg/L	80	
Copper as Cu	H8143	µg/L	6	
Chloride as Cl^-	SABS 202	mg/L	34	
Ortho Phosphate	H8178	mg/L	0.00	
Calcium as Ca	APHA 306C	mg/L	48.0	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	0	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.17	
Conductivity at 25º C	SABS 1057	mS/m	65.91	
Turbidity (aesthetic)	SABS 197	NTU	2.19	
Suspended Solids	SABS 1049:1990	mg/L	2.4	
Total Dissolved Solids	SABS 213:1990	mg/L	820	
Colour	H8025	mg/L Pt-Co	41.52	

Site :	Eerste Randjies Reservoir	Date:	2021-12-07	Status: Finalized
Ref No:	2021/12/7/51690	Time :	10:00 AM	
Type :	Drinkwater	By :	Albert	

Chemical

Determinant	Method	Unit	Result	Limit
Free available chlorine	H8021	mg/L	0.02	
Ammonia as N	H8038	mg/L	0.08	
Fluoride as F^-	H8029	mg/L	0.21	
Nitrate	H8171	mg/L	0.21	
Sulfate as SO4	H8051	mg/L	109	
Iron as Fe	H8008	µg/L	60	
Copper as Cu	H8143	µg/L	3	
Chloride as Cl^-	SABS 202	mg/L	34	
Ortho Phosphate	H8178	mg/L	0.02	
Calcium as Ca	APHA 306C	mg/L	51.6	
Nitrite		mg/L	< 0.010	

Microbiological

Determinant	Method	Unit	Result	Limit
Heterotrophic Plate Count	SABS 2002	Count per mL	3	
Total Coliforms (200 CFU)	SABS 2002	Count per 100 mL	0	
E.coli (200 CFU)	SABS 2002	Count per 100 mL	0	

Physical

Determinant	Method	Unit	Result	Limit
pH at 25º C	SABS 11:1990	pH units	8.18	
Conductivity at 25º C	SABS 1057	mS/m	65.95	
Turbidity (aesthetic)	SABS 197	NTU	0.740	
Suspended Solids	SABS 1049:1990	mg/L	8.6	
Total Dissolved Solids	SABS 213:1990	mg/L	490	
Colour	H8025	mg/L Pt-Co	20.25	

160 Samples