

Certificate of Analysis B24-00082

Results for F1 (24-0287)

Sample Type	Drinking water
Sample Point	F1
Sample Latitude	-
Sample Longitude	-
Sampled Date	2024-01-23 14:14
Sampler	Sampled by client
Received Date	2024-01-24 08:38
Analysis Completed Date	2024-02-08 14:13
Condition	Acceptable
Report Specification	SANS 241



QM No. 7.2 TM-05 Chemistry Other	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Free Chlorine ★	-	< 0.02	mg/L		5

QM No. 7.2/R-01 Chemistry	Method	Result	Unit	≤Lower Limit	≥Upper Limit
pH at 25°C	QM No. 7.2 TM-03 pH&EC	9.02	pH units	5	9.7
Conductivity at 25°C	QM No. 7.2 TM-03 pH&EC	49.9	mS/m		170
Turbidity	QM No. 7.2 TM-04 NTU	5.70	NTU		1

QM No. 7.2/R-01 Microbiology	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Heterotrophic Plate Count	QM No. 7.2 TM-01 HPC	340	cfu/mL		1000
Total Coliforms (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	>201	MPN/100mL		10
E. coli (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	12	MPN/100mL		1

QM No. 7.2 TM-05 Chemistry Physical	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Total Dissolved Solids ★	QM No. 7.2 TM-05 Chemistry	334.33	mg/L		1200

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Chloride as Cl- ★	QM No. 7.2 TM-05 Chemistry	4.84	mg/L		300
Nitrate as N ★	QM No. 7.2 TM-05 Chemistry	< 0.35	mg/L		11

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Phosphate (ortho) as P ★	QM No. 7.2 TM-05 Chemistry	0.07	mg/L		
Sulfate as SO42- ★	QM No. 7.2 TM-05 Chemistry	113.00	mg/L		250

QM No. 7.2 TM-05 Chemistry Cations	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Calcium as Ca ★	QM No. 7.2 TM-05 Chemistry	14.58	mg/L		
Hardness Calcium ★	QM No. 7.2 TM-05 Chemistry	36.46	mg/L CaCO3		
Hardness Magnesium ★	QM No. 7.2 TM-05 Chemistry	20.10	mg/L CaCO3		
Hardness Total ★	QM No. 7.2 TM-05 Chemistry	56.55	mg/L CaCO3		
Magnesium as Mg ★	QM No. 7.2 TM-05 Chemistry	4.90	mg/L		

QM No. 7.2 TM-05 Chemistry Metals	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Aluminium as Al ★	Outsource	10.000	µg/L		300
Copper as Cu ★	Outsource	< 10	µg/L		2000
Iron as Fe ★	Outsource	180.000	µg/L		2000
Manganese as Mn ★	Outsource	< 10	µg/L		400

End of results for F1 (24-0287)

Certificate of Analysis **B24-00082**

Results for F2 (24-0288)

Sample Type	Drinking water
Sample Point	F2
Sample Latitude	-
Sample Longitude	-
Sampled Date	2024-01-23 13:57
Sampler	Sampled by client
Received Date	2024-01-24 08:38
Analysis Completed Date	2024-02-08 14:13
Condition	Acceptable
Report Specification	SANS 241



QM No. 7.2 TM-05 Chemistry Other	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Free Chlorine ★	-	< 0.02	mg/L		5

QM No. 7.2/R-01 Chemistry	Method	Result	Unit	≤Lower Limit	≥Upper Limit
pH at 25°C	QM No. 7.2 TM-03 pH&EC	7.70	pH units	5	9.7
Conductivity at 25°C	QM No. 7.2 TM-03 pH&EC	76	mS/m		170
Turbidity	QM No. 7.2 TM-04 NTU	0.36	NTU		1

QM No. 7.2/R-01 Microbiology	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Heterotrophic Plate Count	QM No. 7.2 TM-01 HPC	84	cfu/mL		1000
Total Coliforms (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	>201	MPN/100mL		10
E. coli (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	12	MPN/100mL		1

QM No. 7.2 TM-05 Chemistry Physical	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Total Dissolved Solids ★	QM No. 7.2 TM-05 Chemistry	511.21	mg/L		1200

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Chloride as Cl- ★	QM No. 7.2 TM-05 Chemistry	24.90	mg/L		300
Nitrate as N ★	QM No. 7.2 TM-05 Chemistry	16.300	mg/L		11

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Phosphate (ortho) as P ★	Outsource	< 0.03	mg/L		
Sulfate as SO42- ★	QM No. 7.2 TM-05 Chemistry	244.00	mg/L		250

QM No. 7.2 TM-05 Chemistry Cations	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Calcium as Ca ★	QM No. 7.2 TM-05 Chemistry	41.85	mg/L		
Hardness Calcium ★	QM No. 7.2 TM-05 Chemistry	104.62	mg/L CaCO3		
Hardness Magnesium ★	QM No. 7.2 TM-05 Chemistry	67.12	mg/L CaCO3		
Hardness Total ★	QM No. 7.2 TM-05 Chemistry	171.75	mg/L CaCO3		
Magnesium as Mg ★	QM No. 7.2 TM-05 Chemistry	16.38	mg/L		

QM No. 7.2 TM-05 Chemistry Metals	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Aluminium as Al ★	Outsource	< 10	µg/L		300
Copper as Cu ★	Outsource	10.000	µg/L		2000
Iron as Fe ★	Outsource	< 10	µg/L		2000
Manganese as Mn ★	Outsource	< 10	µg/L		400

End of results for F2 (24-0288)

Certificate of Analysis **B24-00082**

Results for M1 (24-0289)

Sample Type	Drinking water
Sample Point	M1
Sample Latitude	-
Sample Longitude	-
Sampled Date	2024-01-23 15:04
Sampler	Sampled by client
Received Date	2024-01-24 08:38
Analysis Completed Date	2024-02-08 14:13
Condition	Acceptable
Report Specification	SANS 241



QM No. 7.2 TM-05 Chemistry Other	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Free Chlorine ★	-	< 0.02	mg/L		5

QM No. 7.2/R-01 Chemistry	Method	Result	Unit	≤Lower Limit	≥Upper Limit
pH at 25°C	QM No. 7.2 TM-03 pH&EC	8.12	pH units	5	9.7
Conductivity at 25°C	QM No. 7.2 TM-03 pH&EC	98	mS/m		170
Turbidity	QM No. 7.2 TM-04 NTU	0.39	NTU		1

QM No. 7.2/R-01 Microbiology	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Heterotrophic Plate Count	QM No. 7.2 TM-01 HPC	348	cfu/mL		1000
Total Coliforms (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	>201	MPN/100mL		10
E. coli (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	>201	MPN/100mL		1

QM No. 7.2 TM-05 Chemistry Physical	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Total Dissolved Solids ★	QM No. 7.2 TM-05 Chemistry	659.28	mg/L		1200

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Chloride as Cl- ★	QM No. 7.2 TM-05 Chemistry	< 0.48	mg/L		300
Nitrate as N ★	QM No. 7.2 TM-05 Chemistry	> 30	mg/L		11

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Phosphate (ortho) as P ★	QM No. 7.2 TM-05 Chemistry	< 0.03	mg/L		
Sulfate as SO42- ★	QM No. 7.2 TM-05 Chemistry	232.00	mg/L		250

QM No. 7.2 TM-05 Chemistry Cations	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Calcium as Ca ★	QM No. 7.2 TM-05 Chemistry	122.85	mg/L		
Hardness Calcium ★	QM No. 7.2 TM-05 Chemistry	307.13	mg/L CaCO3		
Hardness Magnesium ★	QM No. 7.2 TM-05 Chemistry	61.36	mg/L CaCO3		
Hardness Total ★	QM No. 7.2 TM-05 Chemistry	368.49	mg/L CaCO3		
Magnesium as Mg ★	QM No. 7.2 TM-05 Chemistry	14.97	mg/L		

QM No. 7.2 TM-05 Chemistry Metals	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Aluminium as Al ★	Outsource	< 10	µg/L		300
Copper as Cu ★	Outsource	< 10	µg/L		2000
Iron as Fe ★	Outsource	< 10	µg/L		2000
Manganese as Mn ★	Outsource	< 10	µg/L		400

End of results for M1 (24-0289)

Certificate of Analysis **B24-00082**

Results for P1 (24-0290)

Sample Type	Drinking water
Sample Point	P1
Sample Latitude	-
Sample Longitude	-
Sampled Date	2024-01-23 13:46
Sampler	Sampled by client
Received Date	2024-01-24 08:39
Analysis Completed Date	2024-02-08 14:13
Condition	Acceptable
Report Specification	SANS 241



QM No. 7.2 TM-05 Chemistry Other	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Free Chlorine ★	-	< 0.02	mg/L		5

QM No. 7.2/R-01 Chemistry	Method	Result	Unit	≤Lower Limit	≥Upper Limit
pH at 25°C	QM No. 7.2 TM-03 pH&EC	7.95	pH units	5	9.7
Conductivity at 25°C	QM No. 7.2 TM-03 pH&EC	22.3	mS/m		170
Turbidity	QM No. 7.2 TM-04 NTU	1.70	NTU		1

QM No. 7.2/R-01 Microbiology	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Heterotrophic Plate Count	QM No. 7.2 TM-01 HPC	260	cfu/mL		1000
Total Coliforms (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	>201	MPN/100mL		10
E. coli (LR)	QM No. 7.2 TM-02 E. coli & Coliforms	74	MPN/100mL		1

QM No. 7.2 TM-05 Chemistry Physical	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Total Dissolved Solids ★	QM No. 7.2 TM-05 Chemistry	149.41	mg/L		1200

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Chloride as Cl- ★	QM No. 7.2 TM-05 Chemistry	< 0.48	mg/L		300
Nitrate as N ★	QM No. 7.2 TM-05 Chemistry	0.450	mg/L		11

QM No. 7.2 TM-05 Chemistry Anions	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Phosphate (ortho) as P ★	QM No. 7.2 TM-05 Chemistry	< 0.03	mg/L		
Sulfate as SO42- ★	QM No. 7.2 TM-05 Chemistry	34.60	mg/L		250

QM No. 7.2 TM-05 Chemistry Cations	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Calcium as Ca ★	QM No. 7.2 TM-05 Chemistry	21.57	mg/L		
Hardness Calcium ★	QM No. 7.2 TM-05 Chemistry	53.94	mg/L CaCO3		
Hardness Magnesium ★	QM No. 7.2 TM-05 Chemistry	18.57	mg/L CaCO3		
Hardness Total ★	QM No. 7.2 TM-05 Chemistry	72.51	mg/L CaCO3		
Magnesium as Mg ★	QM No. 7.2 TM-05 Chemistry	4.53	mg/L		

QM No. 7.2 TM-05 Chemistry Metals	Method	Result	Unit	≤Lower Limit	≥Upper Limit
Aluminium as Al ★	Outsource	< 10	µg/L		300
Copper as Cu ★	Outsource	< 10	µg/L		2000
Iron as Fe ★	Outsource	< 10	µg/L		2000
Manganese as Mn ★	Outsource	< 10	µg/L		400

End of results for P1 (24-0290)

END OF RESULTS