

Tel: 015 291 2265 Email: [info@muratholab.co.za](mailto:info@muratholab.co.za) 85 Jorissen Street Moregloed Polokwane 0713 P O BOX 415 Bendor Park

## LABORATORY TEST REPORT

Customer ID: Greater Tzaneen Municipality  
Physical Address: No:38 Agatha Street  
Tzaneen 0850

Contact Person: Roselyn Seema  
Tel: 015 307 8195  
Mobile: 073 111 7157  
Email: [roselyn.seema@tzaneen.gov.za](mailto:roselyn.seema@tzaneen.gov.za)

### Customer Samples information

Date of sampling: 10/03/2023

Sample Origin: WTW

Time of sampling: 09h57-12h33

No. of samples: 3

### Samples information

Report No.: 2023/03/219

Sample type: Potable water

Date of Report: 17/04/2023

Sample condition: Suitable: Yes Unsuitable: \_\_\_

Date samples received: 10/03/2023

Time sample(s) received: 15h15

Date test performed: 11/03/2023-13/04/2023

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Laboratory does not offer opinions and interpretations

Laboratory does not offer statement of conformity

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Note that the unsuitability of the sample due to the sample submitted not within the expected timeframe will affect the validity of results.

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**Results (Table 1)**

Parameter	Unit	Method ID	Sample ID	Sample ID	Sample ID
			Letsitele (2023/03/219/1)	Tzaneen Dam (2023/03/219/2)	George's Valley (2023/03/219/3)
pH @25°C	pH value	CH01	7.43	7.72	7.67
Conductivity	mS/m	CH02	38.40	6.67	6.04
Total Dissolved Solids	* mg/l	CH02	249.60	43.36	39.26
Turbidity	NTU	CH03	0.55	0.93	0.84
Free chlorine	* mg/l	CH022	0.61	0.20	0.54
Color	** Pt-Co	SUB	<5.00	<5.00	12.00
Chloride as Cl	mg/l	CH17	16.54	7.47	6.93
Fluoride as F	mg/l	CH17	0.10	0.03	<0.03
Sulfate as SO <sub>4</sub>	mg/l	CH17	8.26	1.79	1.78
Nitrate as N	mg/l	CH17	0.85	0.11	0.08
Nitrite as N	* mg/l	CH016	0.02	ND	0.01
Ammonia as N	mg/l	CH09	0.13	0.15	0.15
Sodium Na	mg/l	CH013	13.90	4.10	4.71
Zinc as Zn	mg/l	CH013	<0.01	0.02	0.06
Aluminum as Al	mg/l	CH013	0.02	0.09	0.07
Barium as Ba	mg/l	CH013	0.02	0.02	0.17
Boron as B	mg/l	CH013	0.03	0.02	0.30
Cadmium as Cd	mg/l	CH013	<0.01	<0.01	<0.01
Chromium as Cr	* mg/l	CH013	<0.01	<0.01	<0.01
Cobalt as Co	mg/l	CH013	<0.01	<0.01	<0.01
Copper as Cu	mg/l	CH013	0.03	<0.01	<0.01
Iron as Fe	mg/l	CH013	0.02	0.04	0.01
Lead as Pb	mg/l	CH013	<0.01	<0.01	<0.01
Manganese as Mn	mg/l	CH013	0.01	0.01	0.01
Nickel as Ni	mg/l	CH013	<0.01	<0.01	<0.01
Vanadium as V	mg/l	CH013	0.01	<0.01	<0.01

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Table 1 continued....

Parameter	Unit	Method ID	Sample ID	Sample ID	Sample ID
			Letsitele (2023/03/219/1)	Tzaneen Dam (2023/03/219/2)	George's Valley (2023/03/219/3)
Antimony as Sb	** mg/l	SUB	<0.001	<0.001	<0.001
Arsenic as As	** mg/l	SUB	<0.006	<0.006	<0.006
Mercury as Hg	** mg/l	SUB	<0.005	<0.005	<0.005
Selenium as Se	** mg/l	SUB	<0.002	<0.002	<0.002
Uranium as U	** mg/l	SUB	<0.015	<0.015	<0.015
Cyanide	** mg/l	SUB	<0.008	<0.008	<0.008
Total organic carbon	** mg/l	SUB	2.53	2.62	2.35
Chloroform	** µg/l	SUB	<2	<2	<2
Bromoform	** µg/l	SUB	<2	<2	<2
Dibromochloromethane	** µg/l	SUB	<2	<2	<2
Bromodichloromethane	** µg/l	SUB	<2	<2	<2
Trihalomethanes (THM)	** µg/l	SUB	5	<2	<2
Trihalomethane ratio	** ratio	SUB	0.124	0.080	0.080
Phenols	** mg/l	SUB	<0.010	<0.010	<0.010

**Key:**

\*: Not SANAS Accredited. Tests marked "Not SANAS Accredited" are not included in the SANAS Schedule of Accreditation for this Laboratory

\*\* : Sub-contracted test. Results marked "Subcontracted Test" in this report are not included in the SANAS Scope of Accreditation for this laboratory

Name: Mukhethwa Nepfumbada  
(Technical Signatory)

Signature: 

Date: 17/04/2023

**END OF REPORT**

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