

Drink. Water Eng. Sci. Discuss., referee comment RC2  
<https://doi.org/10.5194/dwes-2021-12-RC2>, 2022  
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## Comment on dwes-2021-12

Anonymous Referee #2

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Referee comment on "Qualitative and quasi-quantitative monitoring of drinking water through the use of a smart electronic tongue" by Alvaro Arrieta et al., Drink. Water Eng. Sci. Discuss., <https://doi.org/10.5194/dwes-2021-12-RC2>, 2022

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The paper presents a very interesting and novel approach for drinking water quality monitoring.

General comments:

- It is advised to perform a language check. Quite some sentences should be rephrased and the use of commas is chaotic.
- For the qualitative analysis you repeat the measurements with new samples from the same sampling points 15 days later. Can you make a statistical comparison between these samples and the original samples in terms of chemical composition? Is that in agreement with the observed difference between figure 5 and figure 6?
- Can you explain in more detail how the extraction of the quantitative information was performed (paragraph 3.3)? Which type of regression model was used?
- It would have been an added value if the sensor was validated with measurements from a distribution net with a different drinking water source. In this way you capture a higher variation.
- Can you add to the discussion how your results can be compared with other studies?

Specific comments:

- Rephrase line 50
- Line 55: this equipment
- Rephrase line 58
- Line 90: delete '.'

- Line 112 '...array and a portable'
- Rephrase line 151, starting from 'To validate....'
- Line 171: delete '.'
- Rephrase line 187 until 189
- Line 227, starting from 'This trend....'. Can you elaborate more on this?
- Rephrase line 231
- Line 256: why quasi?
- Rephrase line 305 until 307