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# Corrigendum to: A Tutorial on AGREEprep an Analytical Greenness Metric for Sample Preparation<sup>★</sup>



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The authors have noticed that the parameter assigned in Criterion 3 (Target sustainable, reusable, and renewable materials) during the evaluation of the second method involving SPME was not correct. As a result, the assessment results appearing in Fig. 3 were also not correct. The parameter assigned for this Criterion should have been "Only sustainable and renewable materials are used several times" with a score=1.0, rather than "< 25% of reagents and materials are sustainable or renewable and can only be used once" with a score=0.0. The latter parameter was not correct nor in accordance with a past report published by the same authors (https://doi.org/10.1016/j.trac.2022.116553).

The correct versions of Fig. 3 and S3A–S3C are given below and the discussion concerning Scenario 2 in the second evaluated method involving SPME should be as follows:

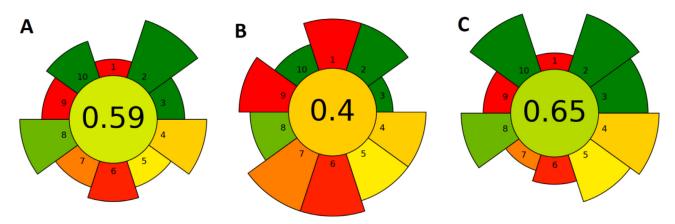


Fig. 3. Comparison of the assessment results on the SPME method used for screening organic pollutants in water [15] after applying the (A) default weights, (B) Scenario 1 weights promoting a simple, automated systems, (C) Scenario 2 weights promoting safe chemicals/materials.

"On the other hand, the final score of Scenario 2 (promoting safe chemicals/materials) was superior to the one obtained when applying the default weights, mainly due to the absence of non-sustainable materials and the green and "safe" features inherent to the SPME technology."

The authors apologize for any inconvenience caused.

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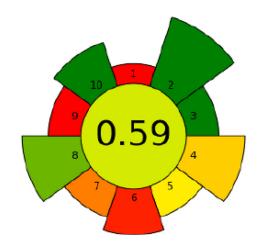
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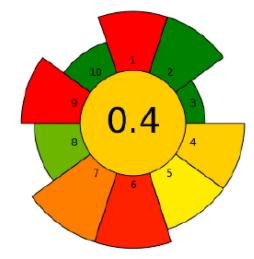
#	Criterion	Score	Weight
4	Sample preparation placement	0.0	1
1.	Sample preparation placement: Ex situ	0.0	
2.	Hazardous materials	1.0	5
2.	Mass [g] or volume [mL] of problematic materials: 0		
3.	Sustainability and renewability of materials	1.0	2
3.	Only sustainable and renewable materials are used several times		
	Waste	0.41	4
4.	Mass [g] or volume [mL] of waste: 4		
5.	Size economy of the sample	0.47	2
5.	Mass [g] or volume [mL] of the sample: 4		
6.	Sample throughput	0.07	3
0.	Hourly sample throughput: 1.3333	0.07	
7.	Integration and automation	0.25	2
1.	No. of sample prep. steps: 2 steps or fewer; degree if automation: Manual systems		
8.	Energy consumption	0.79	4
0.	Approximate energy consumption per analysis [W]: 22.5		
9	Post-sample preparation configuration for analysis	0.0	2
<b>3</b> .	Advanced MS with high energy and/or noble gas consumption: ICP-OES, ICP-MS, etc.	0.0	
10.	Operator's safety	1.0	3
	No. of distinct hazards: No hazards or no exposure		

Fig. S3A. Evaluation report of the AGREEprep assessment of the method described in Ref [15] (https://doi.org/10.1021/ac071551b) using the default weights.

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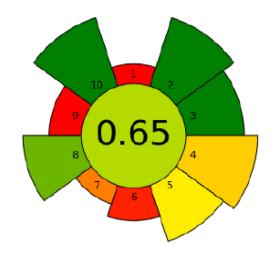
#	Criterion	Score	Weight
1.	Sample preparation placement	0.0	4
	Sample preparation placement: Ex situ	0.0	4
	Hazardous materials	1.0	4
2.	Mass [g] or volume [mL] of problematic materials: 0		
	Sustainability and renewability of materials	1.0	1
3.	Only sustainable and renewable materials are used several times		
	Waste	0.41	4
4.	Mass [g] or volume [mL] of waste: 4		
_	Size economy of the sample	0.47	4
5.	Mass [g] or volume [mL] of the sample: 4		
	Sample throughput	0.07	5
6.	Hourly sample throughput: 1.3333		
7	Integration and automation	0.25	5
7.	No. of sample prep. steps: 2 steps or fewer, degree if automation: Manual systems		
	Energy consumption	0.79	3
8.	Approximate energy consumption per analysis [W]: 22.5		
	Post-sample preparation configuration for analysis	0.0	4
9.	Advanced MS with high energy and/or noble gas consumption: ICP-OES, ICP-MS, etc.		
10.	Operator's safety	1.0	2
	No. of distinct hazards: No hazards or no exposure		

Fig. S3B. Evaluation report of the AGREEprep assessment of the method described in Ref [15] (https://doi.org/10.1021/ac071551b) using the hypothetical Scenario 1 weights promoting simple and automated methods.

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#	Criterion	Score	Weight
	Sample preparation placement	0.0	1
1.	Sample preparation placement: Ex situ		
	Hazardous materials	1.0	5
2.	Mass [g] or volume [mL] of problematic materials: 0		
	Sustainability and renewability of materials	1.0	4
3.	Only sustainable and renewable materials are used several times		
	Waste	0.41	5
4.	Mass [g] or volume [mL] of waste: 4		
	Size economy of the sample	0.47	4
5.	Mass [g] or volume [mL] of the sample: 4		
	Sample throughput	0.07	2
6.	Hourly sample throughput: 1.3333		
7.	Integration and automation	0.25	1
7.	No. of sample prep. steps: 2 steps or fewer; degree if automation: Manual systems		
	Energy consumption	0.79	4
8.	Approximate energy consumption per analysis [W]: 22.5		
9	Post-sample preparation configuration for analysis	0.0	2
9.	Advanced MS with high energy and/or noble gas consumption: ICP-OES, ICP-MS, etc.		
40	Operator's safety	1.0	5
10.	No. of distinct hazards: No hazards or no exposure		

Fig. S3C. Evaluation report of the AGREEprep assessment of the method described in Ref [15] (https://doi.org/10.1021/ac071551b) using the hypothetical Scenario 2 weights promoting safe chemicals/materials.