

## Supporting Information

### Occurrence of benzotriazole and 5-methylbenzotriazole in recycled water, surface water and dishwashing detergents from Perth, Western Australia

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Table S1- Tabulates the averages of 11 replicates of BTri samples concentrations normalised to 100 ng L<sup>-1</sup>.

| Conc. ng/L | Avg   | SD    | T (95%) | Confidence Range | SD. Err | Confidence Level (95%) |   |        |
|------------|-------|-------|---------|------------------|---------|------------------------|---|--------|
| 2          | 0.027 | 0.019 | 2.776   | 0.0163           | 0.0059  | 0.0274                 | ± | 0.0163 |
| 4          | 0.064 | 0.022 | 2.776   | 0.0181           | 0.0065  | 0.0641                 | ± | 0.0181 |
| 6          | 0.078 | 0.016 | 2.776   | 0.0134           | 0.0048  | 0.0781                 | ± | 0.0134 |
| 10         | 0.113 | 0.038 | 2.776   | 0.0315           | 0.0113  | 0.1133                 | ± | 0.0315 |
| 20         | 0.220 | 0.071 | 2.776   | 0.0595           | 0.0214  | 0.2199                 | ± | 0.0595 |
| 40         | 0.358 | 0.050 | 2.776   | 0.0415           | 0.0149  | 0.3576                 | ± | 0.0415 |
| 60         | 0.616 | 0.027 | 2.776   | 0.0305           | 0.0110  | 0.6159                 | ± | 0.0305 |
| 80         | 0.850 | 0.015 | 2.776   | 0.0167           | 0.0060  | 0.8504                 | ± | 0.0167 |
| 100        | 1.00  | 0     | 2.776   | 0                | 0       | 1                      | ± | 0      |

Where Avg= the average for 11 replicates data normalised to 100 ng/L, SD= standard deviation, T (95%)= statistical factor that means T values at different confidence level summarise in a table which given T in confidence level 95%= 2.776, Confidence Range = (SD X T), St Err= Standard Error= (SD/  $\sqrt{N}$ ) and the Confidence level (95%)= (Avg+ Confidence Range) ± (Avg- Confidence Range).

Table S2- Tabulates the averages of 11 replicates of 5-MeBT samples concentrations normalised to 100 ng L<sup>-1</sup>.

| Conc. ng/L | Avg   | SD     | T (95%) | Conf. Range | SD. Err | Conf. Level 95% |   |        |
|------------|-------|--------|---------|-------------|---------|-----------------|---|--------|
| 2          | 0.025 | 0.0079 | 2.776   | 0.00662     | 0.00239 | 0.0250          | ± | 0.0066 |
| 4          | 0.051 | 0.0074 | 2.776   | 0.00618     | 0.00223 | 0.0514          | ± | 0.0062 |
| 6          | 0.094 | 0.0162 | 2.776   | 0.01359     | 0.00489 | 0.0941          | ± | 0.0136 |
| 10         | 0.127 | 0.0212 | 2.776   | 0.01775     | 0.00639 | 0.1267          | ± | 0.0178 |
| 20         | 0.229 | 0.0305 | 2.776   | 0.02550     | 0.00919 | 0.2286          | ± | 0.0255 |
| 40         | 0.408 | 0.0261 | 2.776   | 0.02183     | 0.00786 | 0.4076          | ± | 0.0218 |
| 60         | 0.602 | 0.0120 | 2.776   | 0.01359     | 0.00490 | 0.6015          | ± | 0.0136 |
| 80         | 0.781 | 0.0254 | 2.776   | 0.02125     | 0.00766 | 0.7806          | ± | 0.0213 |
| 100        | 1.00  | 0      | 2.776   | 0           | 0       | 1               | ± | 0      |

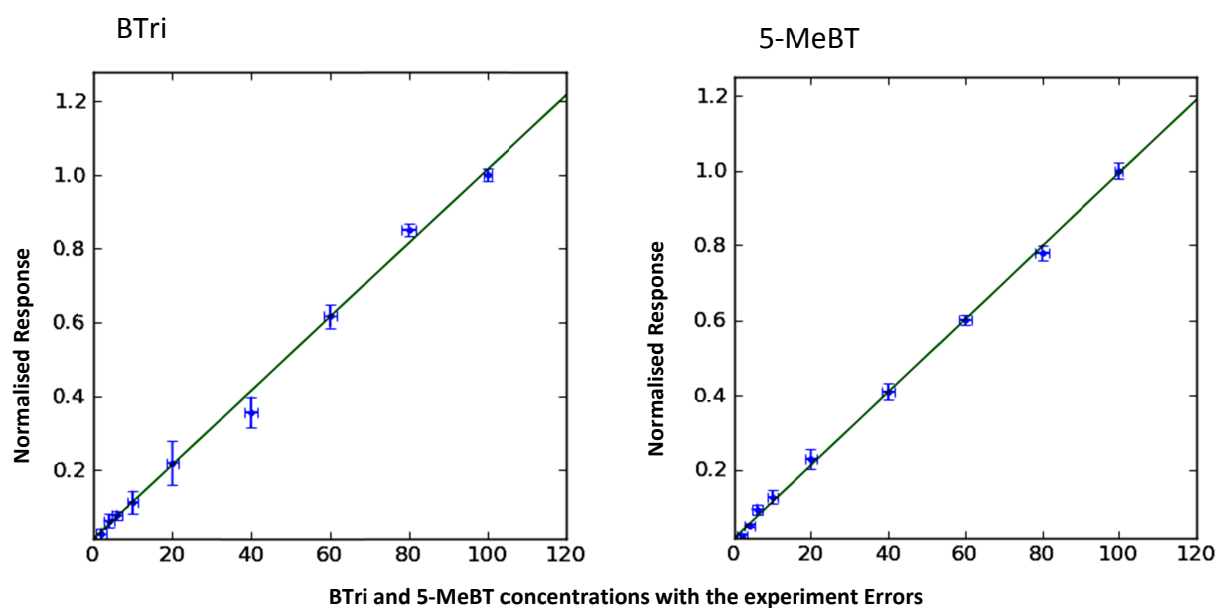


Fig. S1. Calibration graphs for BTri and 5-MeBT normalised results with experimental errors<sup>1</sup>.

## REFERENCES

1. D. York, N. M. Evensen, M. L. Martinez and J. D. B. Delgado. Unified equations for the slope, intercept, and standard errors of the best straight line. *Am. J. Phys.* 2004, 72, 367-375.

