

Table S1. Comparison of mean THg concentrations (in mg/kg ww) in fish species from Mediterranean locations.

| Fish species | Location (Country) | THg | Reference |
|-----------------------------|---------------------|-------|--|
| Sardine | Balearic Islands | 0.050 | This study |
| | València | 0.040 | Yusà <i>et al.</i> , 2008 |
| | Catalonia | 0.080 | Cano-Sancho <i>et al.</i> , 2015; Perelló <i>et al.</i> , 2014 |
| | Sicily (Italy) | 0.080 | Copat <i>et al.</i> , 2012 |
| | | 0.31 | |
| | Augusta Bay (Italy) | 0.082 | Bonsignore <i>et al.</i> , 2013 |
| | Italy | 0.092 | Brambilla <i>et al.</i> , 2013 |
| Anchovy | Balearic Islands | 0.057 | This study |
| | Sicily (Italy) | 0.030 | Copat <i>et al.</i> , 2012 |
| | | 0.13 | |
| | Augusta Bay (Italy) | 0.052 | Bonsignore <i>et al.</i> , 2013 |
| | Italy | 0.11 | Brambilla <i>et al.</i> , 2013 |
| | València | 0.030 | Yusà <i>et al.</i> , 2008 |
| | Catalonia | 0.087 | Perelló <i>et al.</i> , 2014 |
| Hake | Balearic Islands | 0.30 | This study |
| | Catalonia | 0.13 | Perelló <i>et al.</i> , 2014 |
| | València | 0.15 | Yusà <i>et al.</i> , 2008 |
| | Italy | 0.16 | Brambilla <i>et al.</i> , 2013 |
| | Roses (Catalonia) | 0.51 | Torres <i>et al.</i> , 2015 |
| | | 0.62 | |
| | Italy | 0.59 | Perugini <i>et al.</i> , 2014 |
| Sole | Balearic Islands | 0.45 | This study |
| | Catalonia | 0.027 | Martorell <i>et al.</i> , 2011 |
| | | 0.057 | Perelló <i>et al.</i> , 2014 |
| | Italy | 0.14 | Brambilla <i>et al.</i> , 2013 |
| | Sfax (Tunisia) | 1.8* | Zohra and Habib 2016 |
| Angler | Balearic Islands | 0.74 | This study |
| | Italy | 0.13 | Brambilla <i>et al.</i> , 2013 |
| Horse mackerel | Balearic Islands | 0.18 | This study |
| | Italy | 0.50 | Brambilla <i>et al.</i> , 2013 |
| | Augusta Bay (Italy) | 0.13 | Bonsignore <i>et al.</i> , 2013 |
| | Catalonia | 0.053 | Martorell <i>et al.</i> , 2011 |
| | | 0.099 | Perelló <i>et al.</i> , 2014 |
| | Valencia | 0.030 | Yusà <i>et al.</i> , 2008 |
| Red mullet | Balearic Islands | 0.18 | This study |
| | Portmán | 0.17 | This study |
| | Italy | 0.43 | Storelli and Barone, 2013 |
| | | 0.48 | Perugini <i>et al.</i> , 2014 |
| | | 0.23 | Brambilla <i>et al.</i> , 2013 |
| | Catalonia | 0.33 | Perelló <i>et al.</i> , 2014 |
| | Portmán Bay (Spain) | 0.12 | Martínez-Gómez <i>et al.</i> , 2012 |
| | Santa Pola | 0.078 | |
| | València | 0.093 | |
| Delta de l'Ebre (Catalonia) | 0.074 | | |

*THg concentration in dry weight instead of wet weight.

Table S2. Daily fish consumptions, THg weekly intake through fish consumption, estimated weekly intake (EWI) and Provisional Tolerable Weekly Intake percentages (PTWI %), referred to the infant and general Spanish population by AESA (2006) and Madrid Community ENUCAM (2015).

| | | Daily fish consumption g/day | Median THg in fish mg/kg ww | THg weekly intakes µg/week | EWI µg/kg bw | PTWI ^a (%) | PTWI ^b (%) |
|--------------|----------------------|---------------------------------|--------------------------------|-------------------------------|-----------------|--------------------------|--------------------------|
| AESA, 2011 | children | 46.4 | | 94.2 | 2.7 | 68 | 210 |
| | adult | 71.1 | | 144.3 | 2.1 | 53 | 162 |
| ENUCAM, 2015 | adult* | 61.9 | | 125.7 | 1.8 | 46 | 141 |
| | men* | 58.3 | 0.29 | 118.4 | 1.5 | 37 | 113 |
| | women* | 64.9 | | 131.8 | 2.0 | 51 | 157 |
| | Women (18-44 years)* | 57.2 | | 116.1 | 1.8 | 45 | 138 |

Children: 7-12 years with a mean body weight of 34.48 kg; Adults: >17 years with a mean body weight of 68.48 kg (AESA, 2006). *Adults, men: >18 years with a mean body weight of 80.75 kg; *Adults, women: >18 years with a mean body weight of 64.72 kg (ENUCAM, 2015). ^aBased on THg PTWI of 4 µg/kg bw (EFSA, 2012). ^bBased on MeHg PTWI of 1.3 µg/kg bw (EFSA, 2012). *Based on ENUCAM (2015).

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