

Table 3. Mercury concentrations measured in rainwater and other natural waters. Hg_T is the same as UFHg.

NADP/MDN = National Atmospheric Deposition Program/Mercury Deposition Program. ND =not detected.

| Environment | Location | n | Hg _T | Hg _P | MMHg | DGHg | Reference |
|-----------------------|--------------------------|------|-----------------|-----------------|--------------|--------------|----------------------------------------------|
| Rainwater | Wilmington, NC | 76 | 10-150 pM | 0-50 pM | 0.5-2.7 pM | <1-20 pM | This Study |
| | Waccamaw State Park, NC | 327 | 4-244 pM* | | | | NADP/MDN 1996-2004 |
| | Pettigrew State Park, NC | 377 | 6-173 pM** | | | | NADP/MDN 1996-2005 |
| | Romain, SC | 25 | 13-155 pM | | | | NADP/MDN 2004 Glass & Sorensen, (1999) |
| | Upper Midwest | 252 | 21-144 pM | | 0.22-2.4 pM | | Mason et. al. (1997) |
| | Chesapeake Bay | 100s | 10-150 pM | | 0.20-0.37 pM | | Zhuang, (2002) |
| | New Jersey | 200 | 36-103 pM | | | | Ebinghaus et al. (1999) |
| | Ireland | 30 | 20-83 pM | | 0.3-0.5 pM | | Meuleman et al. (1995) |
| | Siberia | 27 | 15-100 pM | | 0.5-1.3 pM | 3-10 pM | Keeler et al. (1995) |
| | Great Lakes-rural | 11 | | 0.05-0.43 pM | | | Keeler et al. (1995) |
| Snow | Great Lakes-urban | 11 | | 0.75-6 pM | | | Lee & Iverfeldt (1991) |
| | Sweden | 52 | 35-450 pM | | 0.3-3.0 pM | | Meuleman et al. (1995) |
| Runoff | Siberia | 4 | 40-300 pM | | 0.5-1.3 pM | | Lee & Iverfeldt (1991) |
| River | Sweden | 52 | 10-60 pM | | 0.2-3.2 pM | | Zvalaren (pers com) |
| Lake | Cape Fear River, NC | 106 | ND-70 pM | 0.1-70 pM | 0.02-1.6 pM | 0.08-0.66 pM | Tseng et al. (2004) |
| | Alaska | 12 | 5-15 pM | | | 0.37-0.43 pM | Lee & Iverfeldt (1991) |
| | Sweden | 52 | 7-75 pM | | 0.2-4.0 pM | | O'Driscoll, et al. (2003) |
| Meltwater Lake | Ottawa, Canada | 12 | | | | 0.1-2.5 pM | Vandal et al. (1998) |
| Oceans | Antarctica | 61 | 3.3-6.8 pM | | 0.4-2.1 pM | | Amyot et al. (1997) |
| | North Atlantic | 10 | | | | 0.137 pM | Lanzillotta et al. (2002) |
| | Mediterranean Sea | 25 | 10-50 pM | | | 0.06-0.1 pM | |

* One outlier (806pM) removed; **one outlier (237pM) removed

