



## TECHNICAL BULLETIN

### TO-17 Passive Air Sampling with Radiello®

TO-17 passive sampling offers a solution for long-term, passive sampling of BTEX and chlorinated compounds in air. This method utilizes passive sampling technology designed by Radiello®. The reporting limit achieved with this technique is based on sample collection time. To illustrate this concept, the table listed below indicates reporting limits (based on sample collection time) achievable on the target compounds by TO-17 passive sampling.

Compound name	8 hour RL ug/m <sup>3</sup>	24 hour RL ug/m <sup>3</sup>	48 hour RL ug/m <sup>3</sup>	One week RL ug/m <sup>3</sup>	Two week RL ug/m <sup>3</sup>
Vinyl Chloride	27.1	9	4.5	1.3	0.64
Cis-1,2-Dichloroethene	27.1	9	4.5	1.3	0.64
Trichloroethene	30.2	10.1	5	1.4	0.72
Tetrachloroethene	35.3	11.8	5.9	1.7	0.84
Trans-1,2-Dichloroethene	27.1	9	4.5	1.3	0.64
Benzene	26	8.7	4.3	1.2	0.62
Toluene	28.2	9.4	4.7	1.3	0.67
Ethylbenzene	30.6	10.2	5.1	1.5	0.73
o-Xylene	29.8	9.9	5	1.4	0.71
m&p-Xylene	32.1	10.7	5.3	1.5	0.76
1,2,4-Trimethylbenzene	41.7	13.9	6.9	2	0.99
1,3,5-Trimethylbenzene	41.7	13.9	6.9	2	0.99
Naphthalene	83.3	27.8	13.9	4	1.98
Methyl t-butyl ether	32.1	10.7	5.3	1.5	0.76
Isopropylbenzene	35.9	12	6	1.7	0.86

- No Pump Required. Air movement is required to complete diffusion process onto the media.

**For more information regarding compounds offered and/or media:** Contact your Pace Sales representative or call the Air Technical hot-line (612)-607-6386.