

表8 トリブチルスズ化合物に関する水質調査結果(平成2年度～9年度指定化学物質等検討調査より)

(単位: µg/l)

調査地点	平成2年度			平成3年度			平成4年度			平成5年度			平成6年度			平成7年度			平成8年度			平成9年度		
	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3
石狩川河口	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
堤川河口																			nd	nd	nd	nd	nd	nd
八郎湖	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
仙台湾	0.018	0.011	0.004	0.006	nd	nd	nd	nd	nd	0.005	nd	nd	nd	0.007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
小名浜港	0.009	0.007	0.009	0.006	0.008	0.009	0.005	0.01	nd	0.003	nd	0.007	0.004	0.005	nd	nd	nd	nd	nd	0.005	nd	0.005	0.004	0.004
霞ヶ浦	nd	nd	nd	nd	0.004	0.003	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
市原・姉崎海岸	0.045	0.051	0.042	0.017	0.011	0.016	0.003	0.003	0.003	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
花見川河口																nd	nd	nd	nd	nd	nd	nd	nd	nd
隅田川河口	0.012	0.012	0.014	0.016	0.028	0.015	0.004	0.004	0.004	0.005	0.006	0.005	0.008	0.007	0.005	0.005	0.005	0.006	0.005	0.004	0.004	0.006	0.008	0.006
多摩川河口	0.009	0.012	0.009	0.003	nd	0.015	nd	0.005	0.004	0.003	0.004	0.003	0.003	nd	0.003	0.003	0.003	nd	0.003	nd	nd	nd	nd	nd
横兵港	0.027	0.033	0.046	0.018	0.003	0.018	0.012	0.008	0.006	0.004	0.004	0.004	nd	0.005	0.003	0.004	0.003	nd	0.004	nd	0.003	0.004	nd	nd
信濃川河口	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
諏訪湖	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
犀川河口	nd	nd	0.03	0.015	nd	nd	0.005	nd	0.034	0.004	nd	0.005	nd	nd	nd	0.005	nd	0.01	nd	nd	nd	nd	0.009	nd
清水港	0.003	0.007	0.008	nd	nd	nd	nd	0.007	nd	nd	nd	nd	0.005	0.005	nd	nd	nd	nd	0.005	nd	nd	nd	nd	0.004
名古屋港	0.005	0.005	0.004	0.005	0.008	0.004	0.004	0.004	0.003	0.009	nd	nd	0.006	0.003	0.004	nd	nd	nd	nd	nd	nd	nd	nd	nd
四日市港	0.021	-	-	0.01	0.01	0.008	0.014	0.011	0.016	0.006	0.007	0.006	0.025	0.01	0.01	0.006	nd	0.008	0.003	0.004	nd	tr(0.002)	nd	nd
琵琶湖南湖	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
宮津港	0.014	0.009	0.007	0.003	nd	nd	0.006	0.003	0.006	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
桂川宮前橋	nd	nd	nd	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
大和川河口	-	-	-	0.005	0.005	0.007	0.022	0.024	0.007	nd	0.004	0.005	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
大阪港	0.02	0.02	0.02	0.067	0.037	0.062	0.067	0.037	0.062	0.019	0.014	0.014	0.006	0.006	0.006	0.01	0.011	0.013	0.008	0.011	0.008	0.006	0.007	0.006
姫路沖	0.014	0.013	0.013	nd	nd	nd	nd	nd	nd	-	-	-	nd	nd	nd	0.042	0.016	0.018	nd	0.005	0.009	nd	0.005	nd
水島沖	0.011	0.008	0.015	0.013	0.008	0.008	0.005	0.011	0.009	0.027	0.013	0.013	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd
呉港	0.016	0.024	0.012	0.014	0.013	0.028																		
広島湾							nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
徳山湾	0.005	0.004	0.005	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
吉野川河口				0.012	0.004	0.004	0.083	0.084	0.08	0.044	0.047	0.049	nd	nd	nd	nd	nd	nd	nd	0.003	nd	nd	nd	nd
高松港	0.025	0.027	0.023	0.034	0.048	0.024	0.014	0.0014	0.005	0.011	0.011	0.007	0.009	0.004	0.004	0.004	0.004	0.006	0.012	0.014	0.003	nd	0.007	0.003
四万十川河口	-	-	-	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
洞海湾	0.048	0.029	0.049	0.015	0.02	0.012	0.007	0.011	0.014	0.006	0.006	0.01	0.006	0.022	0.007	0.017	0.013	0.018	0.006	0.005	0.01	0.0051	0.005	0.0051
博多湾	0.01	0.009	0.012	0.006	0.008	0.007	0.026	0.028	0.012	0.02	0.025	0.017	0.006	0.005	0.006	nd	nd	nd	nd	nd	nd	nd	nd	nd
大牟田沖	0.004	0.004	0.004	0.013	0.027	0.027	-	-	-	nd	nd	nd	0.03	nd	nd	0.04	0.01	0.01	0.004	0.003	0.004	nd	nd	nd
伊万里湾							0.032	0.019	0.008	0.007	0.008	0.007	0.01	0.013	0.01	0.007	0.005	0.005	-	-	-	0.004	0.004	-
長崎港	0.04	0.02	0.04	0.014	0.011	0.008	0.003	0.003	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.003	nd	nd	nd	nd	nd	nd
大淀川河口	0.016	0.005	0.004	0.013	0.011	0.015	0.004	nd	nd	nd	0.003	nd	0.003	nd	nd	0.013	nd	nd	0.006	0.003	nd	0.005	nd	nd
五反田川五反田橋	nd	nd	nd	0.003	0.003	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
統一検出限界値		0.003			0.003			0.003			0.003			0.003			0.003			0.003			0.003	
検出頻度		62/79			60/93			52/99			42/99			35/99			31/105			27/105			21/107	
最大値		0.051			0.067			0.084			0.049			0.03			0.042			0.014			0.009	
最小値		nd			nd			nd			nd			nd			nd			nd			nd	
幾何平均		0.0088			0.0057			0.0044			0.0032			0.0029			0.0025			0.0021			0.0019	

(注) 1 T B T O換算値

2 ndは不検出, "- "は欠測, 空欄部分では調査を行っていない。

3 幾何平均値は, ndを, 各地点ごとの検出限界値の 1 / 2として算出した。

表9 トリフェニルスズ化合物に関する水質調査結果（平成2年度～9年度指定化学物質等検討調査より）

（単位：μg/l）

調査地点	平成2年度			平成3年度			平成4年度			平成5年度			平成6年度			平成7年度			平成8年度			平成9年度		
	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3	検体1	検体2	検体3
石狩川河口	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
堤川河口																			tr(0.009)	nd	nd	nd	nd	nd
八郎湖	nd	nd	nd	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
仙台湾	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.011	0.005	0.01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
小名浜港	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
霞ヶ浦	-	-	-	nd	0.013	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
市原・姉崎海岸	0.006	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
花見川河口																			-	-	-	nd	nd	nd
隅田川河口	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
多摩川河口	nd	nd	nd	nd	nd	0.014	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
横浜港	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
信濃川河口	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
諏訪湖	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
犀川河口	nd	nd	nd	nd	nd	nd	nd	nd	0.007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
清水港	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
名古屋港	0.005	0.006	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
四日市港	-	-	-	-	-	-	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
琵琶湖南湖	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
宮津港	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
桂川宮前橋	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
大和川河口	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
大阪港	-	-	-	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	nd	nd	nd	nd	nd	nd
姫路沖	nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	-	-	-	-	nd	nd	nd	nd	nd	nd	nd	nd	nd
水島沖	0.012	0.014	0.014	nd	nd	nd	0.006	0.008	0.007	0.008	nd	nd	nd	nd	nd	-	-	-	nd	nd	nd	nd	nd	nd
呉港	nd	nd	nd	nd	nd	nd																		
広島湾							nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
徳山湾	0.005	0.005	0.005	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
吉野川河口				nd	nd	nd	0.04	0.044	0.016	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
高松港	nd	0.014	0.01	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
四万十川河口	-	-	-	-	-	-	0.005	0.013	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
洞海湾	0.047	0.041	0.048	0.0076	0.0088	nd	-	-	-	nd	nd	nd	0.006	0.007	-	-	-	-	nd	nd	nd	tr(0.0007)	tr(0.0006)	tr(0.0007)
博多湾	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
大牟田沖	nd	nd	nd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	nd	nd	nd	nd	nd	nd
伊万里湾							nd	nd	nd	nd	nd	nd	nd	nd	nd	-	-	-	nd	nd	nd	nd	nd	nd
長崎港	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
大淀川河口	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
五反田川五反田橋	nd	0.01	0.02	nd	nd	nd	nd	0.006	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
統一検出限界値	0.005			0.005			0.005			0.005			0.005			0.005			0.01			0.01		
検出頻度	16/75			4/87			10/90			2/90			4/92			0/87			0/108			0/108		
最大値	0.048			0.014			0.044			0.011			0.01			nd			tr			tr		
最小値	nd			nd			nd			nd			nd			nd			nd			nd		
幾何平均	0.0034			0.0027			0.0030			0.0026			0.0026			0.0025			0.0027			0.0026		

(注) 1 TPTC1換算値

2 ndは不検出，“-”は欠測，空欄部分では調査を行っていない。

3 幾何平均値は，ndを，各地点ごとの検出限界値の1/2として算出した。