

Table 2 Comparison between the recorded heavy metals levels (mg/g) in the studied ports with other previous studies worldwide

	Co	Cu	Zn	Ni	Cd	Mn	Pb	Fe	extraction	reference
Red Sea Hrabours	<0.01-5.85	10.1-298	9.1-330	13.9-91.4	<0.01-4.19	9.3-306	<0.01-101	551-7483	leachable	present study
Trade Harbours (south Korea)	-	8.6-28.2	47-112	10.3-28.8	0.03-0.22	-	9.9-41.2	-	leachable	Choi et al., 2012
Kaohsiung Harbour, Taiwan	-	5-946	52-1369	-	0.1-6.8	-	9.5-470	-	leachable	Chen et al., 2007
Sydney Harbour, Australia	3.0-60	13-1078	46-2246	17-86	1.0-10.0	30-408	44-1319	10,000-78,000	leachable	Irvine and Birch, 1998
Suva Harbour, Fiji	-	21.4-143	40.2-269	-	-	-	22.1-93.5	14000 48700	leachable	Maata and Singh, 2008
harbour of Ceuta, Spain	-	5-865	29-695	8-671	-	61-332	10-516	3060-41,100	leachable	Guerra-Garcia and Garcia-Gomez 2005
Hamitonharbour, Canada	-	8-135	338-5930	8.0-61	-	42-1152	18-1250	12,200-204,000	leachable	Poulton et al., 1996
Port Kemblaharbour, Australia	-	95-1468	1209-2220	-	-	-	151-484	73,000-100,429	total	He and Morrison, 2001
Bergen harbour, Norway	-	25-1090	26-2900	-	-	-	24-1920	-	total	Paetzel et al., 2003
Victoria Harbour, Hong Kong	-	45.2-3789	97.9-610.4	23.6-177.1	2.3-3.3	373.9-568.8	47.4-138.1	28900-34100	total	Wong et al., 1995
Victoria Harbour, Hong Kong	-	19-280	52-221	-	-	-	21-85	-	leachable	Tang et al., 2008
Hamraween Bay, Red Sea	-	20.1	99.6	-	-	283.5	73.35	1270	leachable	Dar et al., 2016a
Darwin Harbour (Australia)	1.9-7.65	1.4-14.9	5.8-28.4	3.3-11.1	0.06-0.12	254-411	3.11-13	7,790- 58,200	leachable	Padovan et al., 2012