Table 1 Summary of Sediment Chemical Quality Results (extracted from Further Development of TKO – EIA Study)

Sampling Location	Sampling Depth below Seabed (m)	Metals (mg/kg)								Metalloid (mg/kg)	Organic-PAHs (µg/kg)		Organic-non-PAHs (µg/kg)	Organo-metallics (µg/L in porewater)	Classification under ETWB TC(W) No. 34/2002
		Cd	Cr	Cu	Hg	Ni	Pb	Ag	Zn	As	LMW PAH	HMW PAH	Total PCBs	TBT	
Vibrocore Sample VC5															
VC5	0.12 – 0.9	0.2	39	**92**	0.2	17	42	0.7	90	4.8	<550	<1700	<23	<0.15	Category M
VC5	0.9 – 1.9	<0.1	25	8.4	0.1	19	23	<0.1	130	4.0	<550	<1700	<23	<0.15	Category L
VC5	1.9 – 2.9	0.1	24	7.0	0.1	18	19	<0.1	170	4.0	<550	<1700	<23	<0.15	Category L
VC5	2.9 – 3.9	0.1	25	7.8	0.1	19	19	<0.1	100	4.2	<550	<1700	<23	<0.15	Category L
VC5	6.1 – 6.9	0.2	25	19	0.2	16	27	0.2	90	3.9	<550	<1700	<23	<0.15	Category L
VC5	8.9 – 9.9	0.1	27	8.6	0.1	20	27	<0.1	70	3.9	<550	<1700	<23	<0.15	Category L
VC5	12 – 12.9	0.1	22	8.6	0.08	16	35	<0.1	49	7.1	<550	<1700	<23	<0.15	Category L
VC5	14.9 – 16	0.2	20	8.2	0.08	14	43	<0.1	49	8.3	<550	<1700	<23	<0.15	Category L
Vibrocore Sample VC13															
VC13	0.57 – 0.9	0.2	24	36	0.2	12	44	0.3	160	4.8	<550	<1700	<23	<0.15	Category L
VC13	0.9 – 1.9	0.2	29	29	**0.6**	16	50	0.4	160	5.5	<550	<1700	<23	<0.15	Category M
VC13	1.9 – 2.9	0.1	26	6.2	0.2	20	17	<0.1	55	3.6	<550	<1700	<23	<0.15	Category L
VC13	2.9 – 3.9	0.1	28	8.5	0.2	21	21	<0.1	130	3.9	<550	<1700	<23	<0.15	Category L
VC13	6.2 – 6.9	0.1	25	7.4	0.1	18	22	<0.1	81	3.7	<550	<1700	<23	<0.15	Category L
VC13	8.9 – 9.9	0.1	26	8.9	0.1	19	31	<0.1	52	5.1	<550	<1700	<23	<0.15	Category L
VC13	12 – 12.7	0.2	20	7.6	0.1	14	28	<0.1	170	7.9	<550	<1700	<23	<0.15	Category L

Remarks:

(1) Bold value denotes Category M classification of sample;

(2) Low Molecular Weight PAHs include naphthalene, acenaphthylene. acenaphthene, fluorene, phenanthrene and anthracene;

(3) High Molecular Weight PAHs include chrysene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, dibenzo(a.h.)anthracene, fluoranthene, indeno(1.2.3-cd)pyrene, pyrene and benzo(g.h.i)perylene; and

(4) Total PCBs include 2,4' dichlorobiphenyl, 2,2',5 trichlorobiphenyl, 2,4',4 trichlorobiphenyl, 2,2',3,5 tetrachlrobiphenyl, 2,2',5,5' tetrachlrobiphenyl, 2,3',4,4' tetrachlrobiphenyl, 3,3',4,4' tetrachlrobiphenyl, 2,2',4,5,5' pentachlrobiphenyl, 2,3,3',4,4' pentachlrobiphenyl, 2,3',4,4',5' pentachlrobiphenyl, 3,3',4,4,5' pentachlrobiphenyl, 2,2',3,3',4,4' hexachlrobiphenyl, 2,2',3,4,4',5' hexachlrobiphenyl, 2,2',4,4',5,5' hexachlrobiphenyl, 3,3',4,4',5,5' hexachlrobiphenyl, 2,2',3,3',4,4',5 heptachlrobiphenyl, 2,2',3,4,4',5,5' heptachlrobiphenyl and 2,2'3,4',5,5',6 heptachlrobiphenyl.