

Summary of Chemical and Biological Screening Results

Analyte Description			Cadmium	Chromium	Copper	Mercury	Nickel	Lead	Silver	Zinc	Arsenic	Low M.W. PAHs	High M.W. PAHs	Total Polychlorinated biphenyls	Tributyl Tin	Classification based on Chemical Test Results	Biological Test Results	Final Classification	Disposal Classification in accordance with ETWB TC(W) No. 34/2002
Unit (In dry Wt basis)			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/kg	ug/kg	ug/kg	ug TBT/L					
Reporting Limits ^[1]			0.05	0.1	0.2	0.05	0.2	0.1	0.2	0.1	50	100	18	0.010					
Lower Chemical Exceedance Level (LCEL)			1.5	80	65	0.5	40	75	1	200	12	550	1700	23	0.15				
Upper Chemical Exceedance Level (UCEL)			4	160	110	1	40	110	2	270	42	3160	9600	180	0.15				
10 x (LCEL)			15	800	650	5	400	750	10	2000	120	5500	17000	230	1.5				
Sample Description																			
Sample ID	Sampling Date																		
LCW/VC1	GRAB	07/09/2019	0.09	9.9	11.8	0.05	5.1	36.8	0.4	55.5	45.4	<50	<100	<18	<0.01	H	N/A	H	Type 2 - Confined Marine Disposal
LCW/VC1	0.0 - 0.9M	26/08/2019	0.11	11.9	10.9	0.10	5.6	45.4	0.2	50.7	60.3	<50	<100	<18	<0.01	H	N/A	H	Type 2 - Confined Marine Disposal
LCW/VC1	0.9 - 1.9M	26/08/2019	<0.05	10.3	3.3	<0.05	4.9	19.6	<0.1	41.0	19.2	<50	<100	<18	<0.01	M	Passed	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC1	1.9 - 2.9M	26/08/2019	<0.05	12.9	3.3	<0.05	6.7	21.7	<0.1	43.1	16.2	<50	<100	<18	<0.01	M	Passed	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC1	2.9 - 3.9M	26/08/2019	0.05	10.9	3.9	<0.05	5.3	25.0	<0.1	33.3	35.2	<50	<100	<18	<0.01	M	Passed	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC2	GRAB	07/09/2019	0.10	9.8	10.4	0.06	4.4	38.3	0.4	49.6	51.7	<50	<100	<18	<0.01	H	N/A	H	Type 2 - Confined Marine Disposal
LCW/VC2	0.0 - 0.9M	27/08/2019	<0.05	7.2	3.8	<0.05	3.4	23.8	0.1	33.6	38.2	<50	<100	<18	<0.01	M	Passed	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC2	0.9 - 1.9M	27/08/2019	<0.05	7.0	1.8	<0.05	3.5	12.2	<0.1	28.3	18.3	<50	<100	<18	<0.01	M	Passed	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC2	1.9 - 2.9M	27/08/2019	<0.05	9.9	2.6	<0.05	4.5	16.8	<0.1	33.3	29.1	<50	<100	<18	<0.01	M	Passed	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC2	2.9 - 3.9M	28/08/2019	0.07	7.7	3.4	<0.05	2.5	20.2	<0.1	24.5	69.5	<50	<100	<18	<0.01	H	N/A	H	Type 2 - Confined Marine Disposal

Blue: Value that exceed LCEL

Red: Value that exceed UCEL

Total PCB: Total PCBs calculated through summation of the 18 PCB congeners, based on raw data above the limit of detection of 1ug/kg.

IS Denoted: Insufficient interstitial water generated for TBT analysis.

- Category L:** Analytical results less than or equal to the Lower Chemical Exceedance Level (LCEL)
- Category M:** Analytical results greater than Lower Chemical Exceedance Level (LCEL) & less than or equal to Upper Chemical Exceedance Level (UCEL). Mp = Passed biological screening test/ Mf = Failed biological screening test
- Category H:** Analytical results greater than the Upper Chemical Exceedance Level (UCEL)

Note:
 [1] : The reporting limits of the sediment quality assessment is lower than that of the criteria stated in ETWB TC(W) No. 34/2002 in SSTP (Appendix 6.1), thus, provide a more accurate result.

Biological Screening Test Results

Sample ID		Remarks	Biological Test Results			Classification (Mf/ Mp)	Disposal Option
			Amphipod	Polychaete	Bivalve		
LCW/VC1	0.9 - 1.9M	Composite Sample	Pass	Pass	Pass	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC1	1.9 - 2.9M						
LCW/VC1	2.9 - 3.9M						
LCW/VC2	0.9 - 1.9M	Composite Sample	Pass	Pass	Pass	Mp	Type 1 - Open Sea Disposal (Dedicated Sites)
LCW/VC2	1.9 - 2.9M						
LCW/VC2	2.9 - 3.9M						