

Summary of Chemical Screening Results and Disposal Options

Sample ID	Sampling Date	Sub-sample Depth (mPD)		Sub-sample Depth (m bgl)		LMW PAHs ¹	HMW PAHs ²	Total PCB ³	Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag	TBT ⁴	Overall Classification	Sample require Biological Test?	Biological Test Pass? ⁵	Disposal Option ⁶
		From	To	From	To	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L				
LCEL						550	1700	23	1.5	80	65	40	75	200	0.5	12	1	0.15	Category L	No	NA	Type 1
UCEL						3160	9600	180	4	160	110	40	110	270	1	42	2	0.15				
BH01 (E)	21/01/2017	0.59	-0.31	4	4.9	<550	<1700	<18	<0.2	13.0	5.0	7.0	13.0	39.0	<0.05	9.0	<0.1	<0.015	Category L	No	NA	Type 1
BH01 (E)	23/01/2017	-0.41	-1.31	5	5.9	<550	<1700	<18	0.3	27.0	31.0	47.0	34.0	116.0	0.06	<u>15.0</u>	0.5	<0.015	Category H	No	NA	Type 2
BH01 (E)	23/01/2017	-1.41	-2.31	6	6.9	<550	<1700	<18	<0.2	33.0	14.0	16.0	47.0	156.0	<0.05	<u>13.0</u>	0.2	<0.015	Category M	Yes	Pass	Type 1*
BH01 (E)	23/01/2017	-2.41	-3.31	7	7.9	<550	<1700	<18	<0.2	27.0	11.0	11.0	51.0	75.0	<0.05	<u>19.0</u>	0.1	<0.015	Category M	Yes	Pass	Type 1*
BH01 (E)	23/01/2017	-3.41	-4.31	8	8.9	<550	<1700	<18	<0.2	17.0	6.0	6.0	44.0	55.0	<0.05	10.0	0.1	<0.015	Category L	No	NA	Type 1
BH01 (E)	24/01/2017	-4.41	-5.31	9	9.9	<550	<1700	<18	<0.2	15.0	6.0	6.0	34.0	46.0	<0.05	8.0	0.1	IS	Category L	No	NA	Type 1
BH01 (E)	24/01/2017	-5.41	-6.31	10	10.9	<550	<1700	<18	<0.2	11.0	4.0	5.0	24.0	50.0	0.25	4.0	0.4	<0.015	Category L	No	NA	Type 1
BH04 (E)	21/02/2017	0.87	-0.03	3.9	4.8	<550	<1700	<18	<0.2	17.0	127.0	13.0	3.0	<u>254.0</u>	<0.05	4.0	<0.1	<0.015	Category H	No	NA	Type 2
BH04 (E)	21/02/2017	-0.13	-1.03	4.9	5.8	<550	<1700	<18	<0.2	17.0	1810.0	9.0	17.0	1380.0	<0.05	7.0	<0.1	<0.015	Category H	Yes	Pass	Type 2
BH04 (E)	22/02/2017	-1.13	-2.03	5.9	6.8	<550	<1700	<18	<0.2	31.0	12.0	10.0	48.0	66.0	<0.05	<u>17.0</u>	0.1	<0.015	Category M	Yes	Pass	Type 1*
BH04 (E)	22/02/2017	-2.13	-3.03	6.9	7.8	<550	<1700	<18	<0.2	32.0	13.0	13.0	55.0	80.0	<0.05	<u>20.0</u>	<0.1	IS	Category M	Yes	Pass	Type 1*
BH04 (E)	23/02/2017	-3.13	-4.03	7.9	8.8	<550	<1700	<18	<0.2	28.0	10.0	9.0	47.0	58.0	<0.05	<u>13.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH04 (E)	23/02/2017	-4.13	-5.03	8.9	9.8	<550	<1700	<18	<0.2	20.0	6.0	7.0	39.0	54.0	<0.05	11.0	0.1	<0.015	Category L	No	NA	Type 1
BH06 (E)	23/02/2017	1.35	0.45	3.25	4.15	<550	<1700	<18	<0.2	38.0	16.0	18.0	46.0	91.0	0.05	<u>17.0</u>	0.1	<0.015	Category M	Yes	Pass	Type 1*
BH06 (E)	23/02/2017	0.35	-0.55	4.25	5.15	<550	<1700	<18	<0.2	8.0	4.0	3.0	15.0	26.0	<0.05	6.0	<0.1	IS	Category L	No	NA	Type 1
BH06 (E)	24/02/2017	-0.65	-1.55	5.25	6.15	<550	<1700	<18	<0.2	33.0	12.0	17.0	40.0	113.0	<0.05	<u>17.0</u>	0.2	<0.015	Category M	Yes	Pass	Type 1*
BH06 (E)	24/02/2017	-1.65	-2.55	6.25	7.15	<550	<1700	<18	<0.2	35.0	12.0	18.0	36.0	93.0	<0.05	<u>13.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH06 (E)	24/02/2017	-2.65	-3.55	7.25	8.15	<550	<1700	<18	<0.2	29.0	11.0	12.0	47.0	108.0	<0.05	<u>17.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH06 (E)	27/02/2017	-3.65	-4.55	8.25	9.15	<550	<1700	<18	<0.2	19.0	8.0	8.0	46.0	83.0	<0.05	11.0	0.2	<0.015	Category L	No	NA	Type 1
BH06 (E)	27/02/2017	-4.65	-5.55	9.25	10.15	<550	<1700	<18	<0.2	8.0	3.0	3.0	24.0	73.0	<0.05	5.0	<0.1	<0.015	Category L	No	NA	Type 1
BH06 (E)	27/02/2017	-5.65	-6.55	10.25	11.15	<550	<1700	<18	<0.2	4.0	2.0	1.0	16.0	97.0	<0.05	3.0	<0.1	<0.015	Category L	No	NA	Type 1
BH07 (E)	24/04/2017	0.60	-0.30	4	4.9	<550	<1700	<18	<0.2	23.0	8.0	12.0	22.0	154.0	0.07	7.0	<0.1	<0.015	Category L	No	NA	Type 1
BH07 (E)	25/04/2017	-0.40	-1.30	5	5.9	<550	<1700	<18	<0.2	31.0	14.0	18.0	43.0	182.0	<0.05	<u>14.0</u>	<0.1	<0.015	Category M	Yes	Pass	Type 1*
BH07 (E)	25/04/2017	-1.40	-2.30	6	6.9	<550	<1700	<18	<0.2	26.0	11.0	12.0	50.0	98.0	<0.05	<u>16.0</u>	<0.1	IS	Category M	Yes	Pass	Type 1*
BH07 (E)	25/04/2017	-2.40	-3.30	7	7.9	<550	<1700	<18	<0.2	20.0	8.0	8.0	40.0	48.0	<0.05	<u>14.0</u>	<0.1	IS	Category M	Yes	Pass	Type 1*
BH08 (E)	27/03/2017	0.63	-0.27	4.5	5.4	<550	<1700	<18	<0.2	51.0	49.0	32.0	17.0	121.0	<0.05	2.0	0.1	<0.015	Category L	No	NA	Type 1
BH08 (E)	27/03/2017	-0.37	-1.27	5.5	6.4	<550	<1700	<18	<0.2	24.0	10.0	13.0	48.0	93.0	<0.05	<u>13.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH08 (E)	28/03/2017	-1.37	-2.27	6.5	7.4	<550	<1700	<18	<0.2	24.0	10.0	8.0	42.0	356.0	<0.05	<u>18.0</u>	0.1	IS	Category H	No	NA	Type 2
BH09 (E)	23/03/2017	-0.91	-1.81	7	7.9	<550	<1700	<18	0.3	32.0	<u>67.0</u>	16.0	60.0	128.0	<0.05	4.0	0.2	<0.015	Category M	Yes	Pass	Type 1*
BH09 (E)	23/03/2017	-1.91	-2.81	8	8.9	<550	<1700	<18	0.3	39.0	26.0	20.0	50.0	105.0	<0.05	10.0	0.1	<0.015	Category L	No	NA	Type 1

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Sample ID	Sampling Date	Sub-sample Depth (mPD)		Sub-sample Depth (m bgl)		LMW PAHs ¹	HMW PAHs ²	Total PCB ³	Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag	TBT ⁴	Overall Classification	Sample require Biological Test?	Biological Test Pass? ⁵	Disposal Option ⁶
		From	To	From	To	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L				
LCEL						550	1700	23	1.5	80	65	40	75	200	0.5	12	1	0.15	Category L	No	NA	Type 1
UCEL						3160	9600	180	4	160	110	40	110	270	1	42	2	0.15				
BH09 (E)	24/03/2017	-2.91	-3.81	9	9.9	<550	<1700	<18	<0.2	21.0	10.0	9.0	59.0	105.0	<0.05	12.0	0.4	IS	Category L	No	NA	Type 1
BH09 (E)	24/03/2017	-3.91	-4.81	10	10.9	<550	<1700	<18	<0.2	13.0	6.0	6.0	36.0	65.0	<0.05	7.0	0.2	<0.015	Category L	No	NA	Type 1
BH09 (E)	24/03/2017	-4.91	-5.81	11	11.9	<550	<1700	<18	<0.2	9.0	4.0	4.0	28.0	135.0	<0.05	4.0	<0.1	<0.015	Category L	No	NA	Type 1
BH09 (E)	24/03/2017	-5.91	-6.81	12	12.9	<550	<1700	<18	<0.2	3.0	1.0	1.0	6.0	76.0	<0.05	<1	<0.1	IS	Category L	No	NA	Type 1
BH11 (E)	17/01/2017	0.41	-0.49	4.8	5.7	<550	<1700	<18	<0.2	48.0	5.0	32.0	8.0	78.0	<0.05	<1	<0.1	<0.015	Category L	No	NA	Type 1
BH11 (E)	18/01/2017	-0.59	-1.49	5.8	6.7	<550	<1700	<18	<0.2	27.0	10.0	11.0	47.0	129.0	<0.05	<u>14.0</u>	0.1	IS	Category M	Yes	Pass	Type 1*
BH11 (E)	18/01/2017	-1.59	-2.49	6.8	7.7	<550	<1700	<18	<0.2	31.0	11.0	11.0	50.0	100.0	<0.05	<u>19.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH13 (E)	13/03/2017	0.25	-0.65	7	7.9	<550	<1700	<18	<0.2	31.0	28.0	22.0	37.0	271.0	<0.05	<1	<u>1.2</u>	<0.015	Category H	No	NA	Type 2
BH13 (E)	13/03/2017	-0.75	-1.65	8	8.9	<550	<1700	<18	<0.2	25.0	12.0	12.0	55.0	108.0	<0.05	11.0	0.3	IS	Category L	No	NA	Type 1
BH13 (E)	13/03/2017	-1.75	-2.65	9	9.9	<550	<1700	<18	<0.2	25.0	12.0	11.0	50.0	134.0	<0.05	<u>14.0</u>	0.1	IS	Category M	Yes	Pass	Type 1*
BH13 (E)	14/03/2017	-2.75	-3.65	10	10.9	<550	<1700	<18	<0.2	26.0	11.0	11.0	61.0	147.0	<0.05	<u>13.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH13 (E)	14/03/2017	-3.75	-4.65	11	11.9	<550	<1700	<18	<0.2	28.0	12.0	12.0	64.0	82.0	<0.05	<u>13.0</u>	0.2	IS	Category M	Yes	Pass	Type 1*
BH13 (E)	14/03/2017	-4.75	-5.65	12	12.9	<550	<1700	<18	<0.2	8.0	3.0	3.0	26.0	43.0	<0.05	3.0	<0.1	<0.015	Category L	No	NA	Type 1
BH13 (E)	14/03/2017	-5.75	-6.65	13	13.9	<550	<1700	<18	<0.2	5.0	2.0	2.0	16.0	24.0	<0.05	<1	<0.1	<0.015	Category L	No	NA	Type 1
BH13 (E)	15/03/2017	-6.75	-7.65	14	14.9	<550	<170															

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Sample ID	Sampling Date	Sub-sample Depth (mPD)		Sub-sample Depth (m bgl)		LMW PAHs ¹	HMW PAHs ²	Total PCB ³	Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag	TBT ⁴	Overall Classification	Sample require Biological Test?	Biological Test Pass? ⁵	Disposal Option ⁶
		From	To	From	To	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/L				
LCEL						550	1700	23	1.5	80	65	40	75	200	0.5	12	1	0.15				
UCEL						3160	9600	180	4	160	110	40	110	270	1	42	2	0.15				
BH18 (E)	30/03/2017	-1.32	-2.22	6	6.9	<550	<1700	<18	0.2	23.0	10.0	14.0	29.0	80.0	<0.05	11.0	0.1	IS	Category L	No	NA	Type 1
BH18 (E)	31/03/2017	-2.32	-3.22	7	7.9	<550	<1700	<18	<0.2	26.0	10.0	13.0	48.0	227.0	<0.05	12.0	0.2	IS	Category M	Yes	Pass	Type 1*
BH18 (E)	31/03/2017	-3.32	-4.22	8	8.9	<550	<1700	<18	<0.2	18.0	8.0	7.0	44.0	82.0	<0.05	11.0	0.2	<0.015	Category L	No	NA	Type 1
BH18 (E)	31/03/2017	-4.32	-5.22	9	9.9	<550	<1700	<18	<0.2	19.0	8.0	8.0	42.0	85.0	<0.05	10.0	0.2	<0.015	Category L	No	NA	Type 1
BH18 (E)	01/04/2017	-5.32	-6.22	10	10.9	<550	<1700	<18	<0.2	16.0	7.0	6.0	63.0	57.0	<0.05	8.0	0.2	<0.015	Category L	No	NA	Type 1
BH18 (E)	01/04/2017	-6.32	-7.22	11	11.9	<550	<1700	<18	<0.2	11.0	4.0	5.0	44.0	54.0	<0.05	3.0	0.1	IS	Category L	No	NA	Type 1
Reference Sample	20/02/2017	Surface		Surface		<550	<1700	<18	<0.2	25	11	16	25	66	0.08	5	0.1	<0.015	Category L	No	NA	Type 1
Reference Sample	30/03/2017	Surface		Surface		<550	<1700	<18	<0.2	34	16	22	35	86	0.06	7	0.1	<0.015	Category L	No	NA	Type 1
Reference Sample	01/06/2017	Surface		Surface		<550	<1700	<18	<0.2	35	16	22	34	90	0.06	7	0.1	<0.015	Category L	No	NA	Type 1

Notes:

- LMW PAHs - Low molecular weight PAHs included acenaphthene, acenaphthylene, anthracene, fluorene, naphthalene and phenanthrene.
 - HMW PAHs - High molecular weight PAHs included benzo[a]anthracene, benzo[a]pyrene, chrysene, dibenzo[a,h]anthracene, fluoranthene, pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, indeno[1,2,3-c,d]pyrene and benzo[g,h,i]perylene.
 - Total PCBs includes 2,4' diCB, 2,2',5' triCB, 2,4,4' triCB, 2,2',3,5' tetraCB, 2,2',5,5' tetraCB, 2,3',4,4' tetraCB, 3,3',4,4' tetraCB, 2,2',4,5,5' pentaCB, 2,3,3',4,4' pentaCB, 2,3',4,4',5 pentaCB, 3,3',4,4',5 pentaCB, 2,2',3,3',4,4' hexaCB, 2,2',3,4,4',5' hexaCB, 2,2',4,4',5,5' hexaCB, 3,3',4,4',5,5' hexaCB, 2,2',3,3',4,4',5 heptaCB, 2,2',3,4,4',5,5' heptaCB, 2,2',3,4',5,5',6 heptaCBpyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, indeno[1,2,3-c,d]pyrene and benzo[g,h,i]perylene.
 - IS: Inability to conduct TBT analysis due to insufficient interstitial water.
 - Refer to Appendix 6.3 for details of biological testing results.
 - Type 1: Open Sea Disposal
Type 1*: Open Sea Disposal (Dedicated Site)
Type 2: Confined Marine Disposal
Type 3: Special Treatment / Disposal
- ^ Underlined value indicates exceedance of LCEL.
 Bolded value indicates exceedance of UCEL.
 Bolded and underlined value indicates that the value exceeds 10 times of LCEL.
 NA: Not Applicable