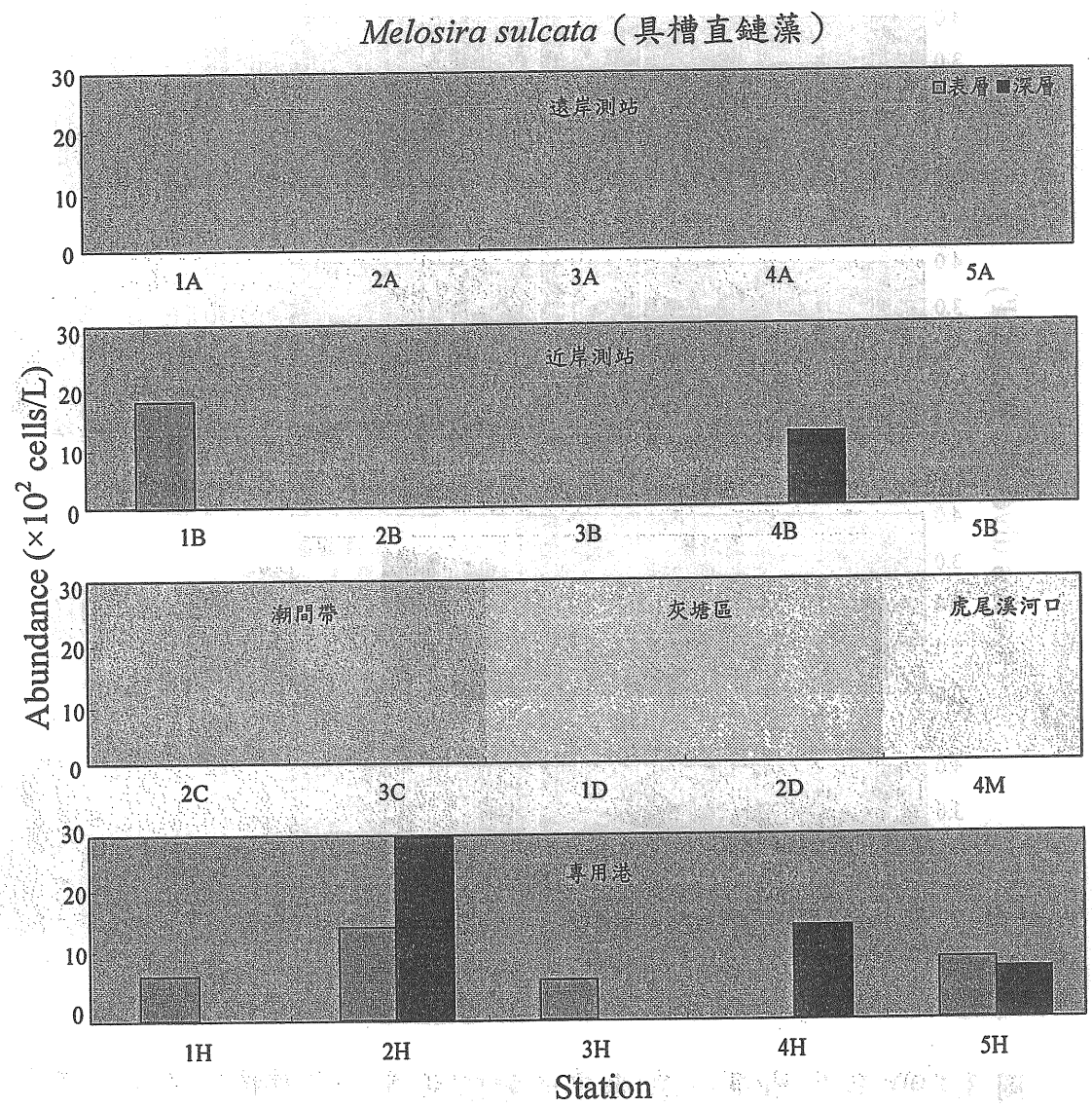


圖 3.5　99 年 1 月(第一季)麥寮六輕附近海域第一優勢種浮游植物豐度變化圖

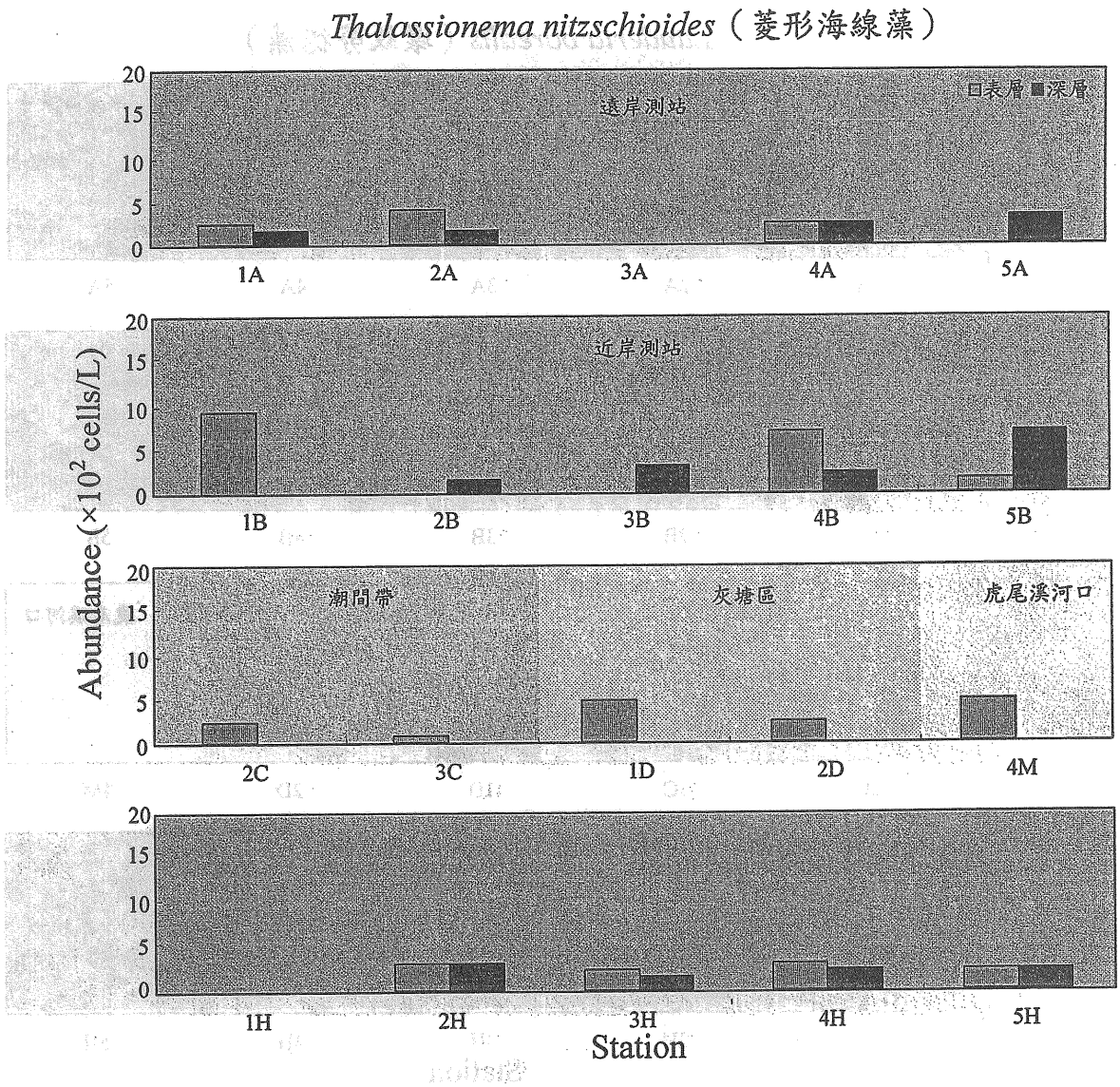


圖 3.6　99 年 1 月(第一季)麥寮六輕附近海域第二優勢種浮游植物豐度變化圖

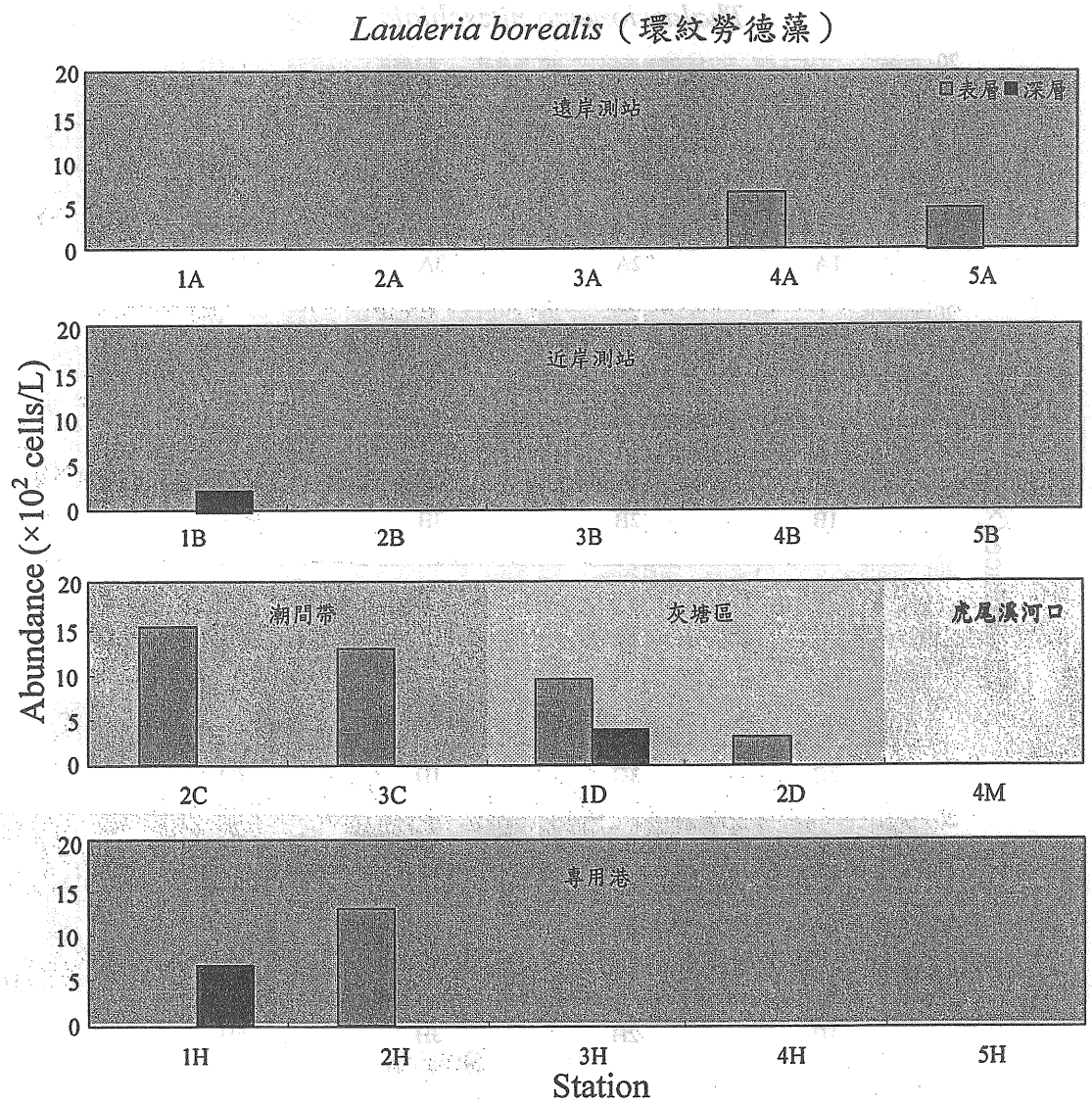


圖 3.7　99 年 1 月(第一季)麥寮六輕附近海域第三優勢種浮游植物豐度變化圖

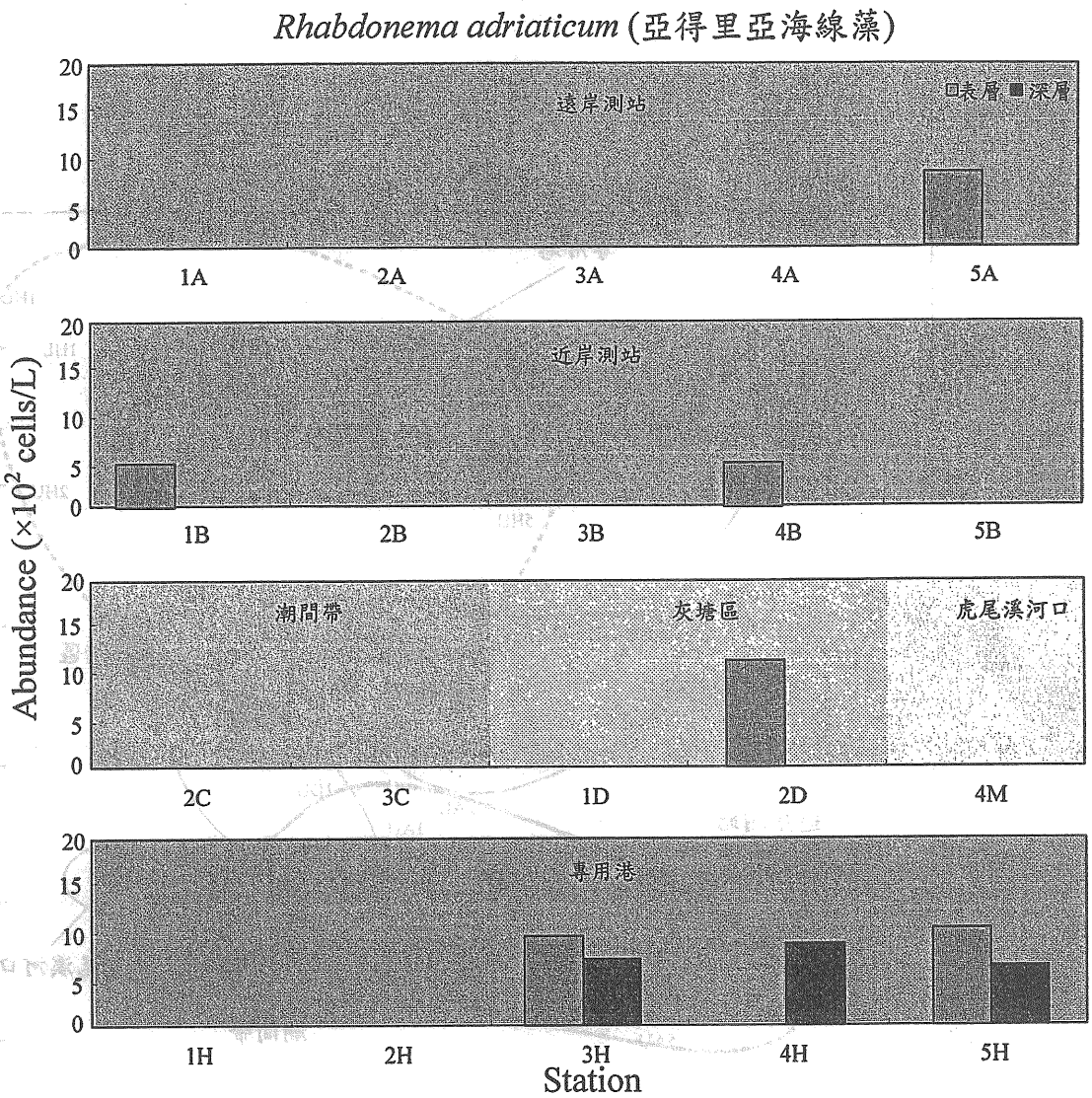


圖 3.8 99 年 1 月(第一季)麥寮六輕附近海域第四優勢種浮游植物豐度變化圖

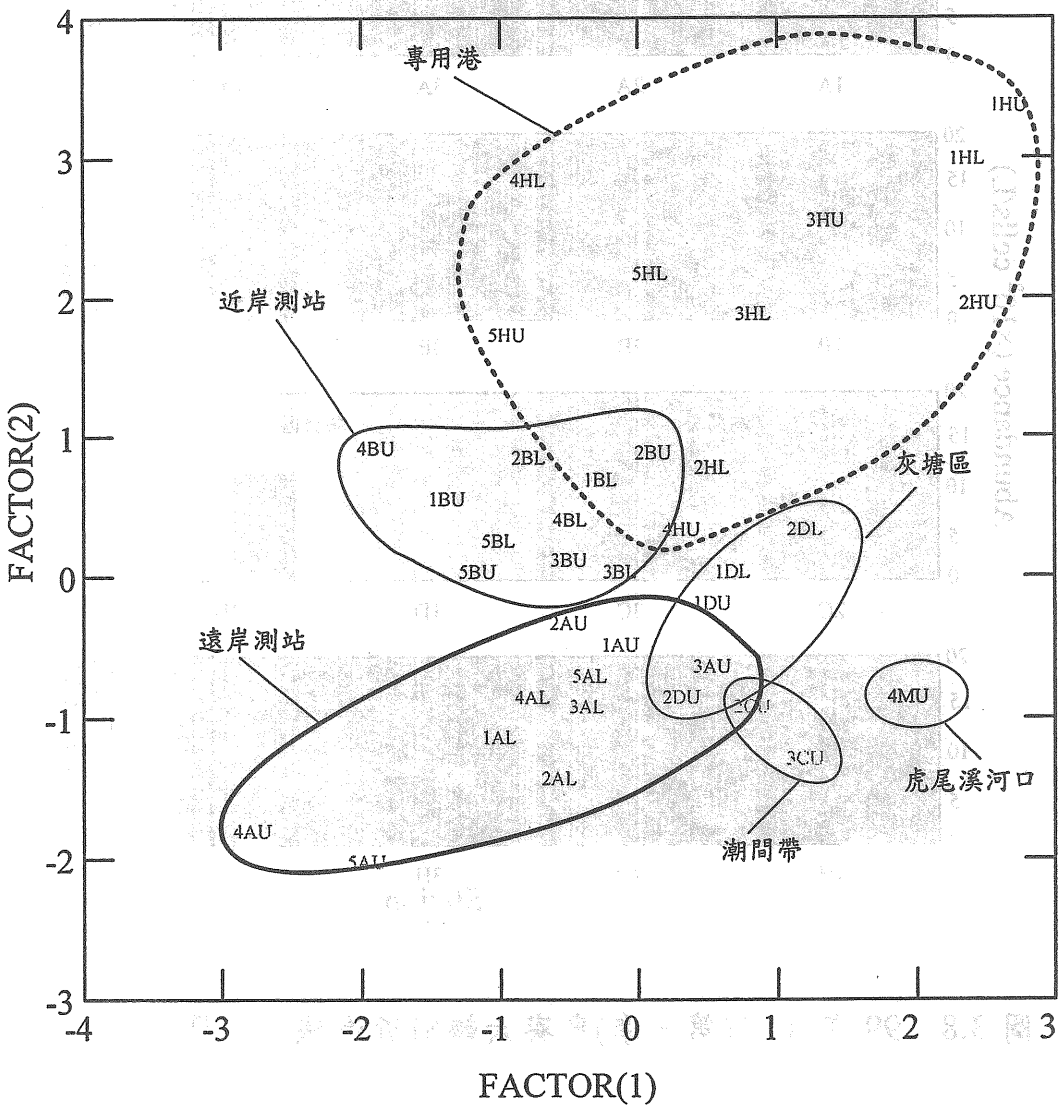


圖 3.9　99 年 1 月(第一季)麥寮六輕附近海域浮游植物群聚分析圖

第四章 浮游動物調查報告

4.1 材料與方法

99 年於 1 月 17 至 19 日進行第一季採樣，採樣網具為北太平洋標準浮游動物網（網目 333μm，網口直徑 45cm，網身長 180cm）；每站於水下 2m，相對船速 2 節拖網 10 分鐘，並於網口繫上 Hydrobios 單向流速流量計，用以計算所流經的水體積，以換算出浮游動物豐度；近岸與河口測站因為水深不足無法進行拖網採樣，因此採樣方法更改為採集 20L 表水後，以 333μm 網目篩網現場過濾。並將採集之浮游動物樣本置於 5%~10%的福馬林溶液進行樣本的固定與保存，以便實驗室的分析工作。

結果

本季浮游動物 (99 年第一季)於遠岸(1A-5A)、近岸(1B-5B)、灰塘(1D-2D)、專用港(1H-5H)、潮間帶(1C-2C)與新虎尾溪河口(4M)計 20 個測站點完成採樣與分析，表 4.1 共紀錄了 8 門的浮游動物，分別為環節動物、節肢動物、腔腸動物、毛顎動物、軟體動物、棘皮動物、尾索動物以及脊椎動物(魚卵)，各站浮游動物豐度介於 8.00 – 354.06 ind./ m^3 間，最低豐度紀錄於潮間帶專用港測站 2C，最高豐度紀錄於遠岸測站 4A。圖 4.1 為各測站浮游動物豐度圖，在測線 1 – 3，較高豐度值皆紀錄於遠岸的測站，越靠近岸則浮游動物豐度亦趨減少；但測線 4 – 5 則出現相異的情況，近岸浮游動

物豐度高於遠岸。

各門浮游動物的各測站相關性豐度與平均相關性豐度顯示於圖 4.2a 與 4.2b，由圖可得知節肢動物（橈足類和其他節肢動物）為各測站相關性豐度最高的浮游動物，介於 25.00 – 100%，平均相關性豐度為 78.60%，本季其餘平均相關性豐度高於 5%的動物門尚有毛顎動物（9.91%）與腔腸動物（6.26%）。表 4.2 顯示節肢動物門中橈足類動物的平均豐度、相關性豐度與出現頻度為所有浮游動物最高，橈足類動物於麥寮海域之平均豐度為 82.14 ind./ m^3，相關性豐度達 80.63%，出現頻度高達 100%。

麥寮六輕附近海域 99 年第一季平均豐度最高的三個種類依序為橈足類之 *Paracalanus aculeatus*(*針刺擬哲水蚤*)，平均每個測站為 34.53 ind./ m^3，其相關性豐度佔浮游動物之 28.03%；其次為橈足類之 *Paracalanus parvus*(*小擬哲水蚤*)，平均每個測站為 5.91 ind./ m^3，其相關性豐度佔浮游動物之 4.80%；更次之為橈足類之 *Euchaeta rimana*(*梨曼真刺水蚤*)，平均每個測站達 5.66 ind./ m^3，其相關性豐度佔浮游動物之 4.60%。

本季橈足類依舊為最優勢的類別，不論平均豐度、相關性豐度與出現頻度皆為本季海域最高，顯示橈足類為本海域四季中最為常見的浮游動

物。且浮游動物總平均豐度較上一季總平均豐度高出數倍，且本季各類別浮游動物豐度皆較上季有所增加；若與 83 年度至 98 年度各季之浮游動物生體量及個體量之調查結果相較（圖 4.3a &圖 4.3b），更可推斷上一季浮游動物數量減少現象，原因可歸納於季節變化造成之影響。

表 4.1　麥寮六輕附近海域 99 年第一季浮游動物豐度表(ind./ m^3)

類別 (ind./ m^3) 測站	1A	1B	1D	2A	2B	2D	3A	3B	4A	4B	5A	5B	1H	2H	3H	4H	5H	1C	2C	4M
ANNELIDA 環節動物門																				
Polychaeta 多毛類	2.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	2
ARTHROPODA 節肢動物門																				
Branchiopoda(鰓足亞綱)																				
Cladocera(枝角目)																				
Evadne tergestina(肥胖三角水蚤)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirripedia (蔓足亞綱)																				
Cypris(滕壺腺介幼體)	0	0	0	0	0	0	0	0	21.78	0	0	8.27	0	0	0	0	0	0	0	0
Copepoda (橈足亞綱)																				
Calanoida(哲水蚤目)																				
Acartia pacifica(太平紡錘水蚤)	0	0	0	0	0	0	0	0	0	6.82	0	0	0	0	10.15	0	0	0	0	0
Acartia negligens(小紡錘水蚤)	0	0	0	0	0	0	0	0	0	0	0	6.73	0	0	0	0	0	0	0	0
Acrocalanus gibber(駝背隆哲水蚤)	0	0	0	0	0	1.39	4.86	0	0	0	0	0	0	0	0	0	0	0	0	0
Acrocalanus gracilis(微駝隆哲水蚤)	0	0	0	5.03	17.08	6.97	0	6.33	0	0	10.01	0	0	0	0	0	0	0	0	2
Canthocalanus pauper(微刺哲水蚤)	0	0	0	0	0	0	0	0	0	0	7.66	0	0	0	0	0	0	0	0	0
Euchaeta rimana(梨曼真刺水蚤)	14.37	4.7	7.63	0	12.37	6.04	0	15	43.56	5.18	0	0	4.41	0	0	0	0	0	0	0
Labidocera euchaeta(真刺唇角水蚤)	24.82	21.95	0	2.87	8.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Labidocera minuta(小唇角水蚤)	3.92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lucicutia flavicornis(黃角光水蚤)	0	0	0	5.75	0	0	0	0	0	11.45	0	0	0	0	0	0	0	0	0	0
Paracalanus aculeatus(針刺擬哲水蚤)	9.15	65.85	15.25	20.83	146.67	36.27	26.73	42.67	69.69	25.09	54.19	78.98	28.69	23.83	24.74	12.15	1.8	2	0	6
Paracalanus parvus(小擬哲水蚤)	0	7.06	0	0	18.26	0	6.25	25.67	0	0	0	12.55	30.35	0	0	0	0	0	0	18
Pseudodiaptomus sp.*(偽鏢水蚤)*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.48	0	0	0	0	0
Scolecithricella sp.*(小厚殼水蚤)*	0	0	0	0	15.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subeucalanus subcrassus(亞強次真哲水蚤)	0	0	0	0	20.62	0	0	0	0	8.18	0	0	0	0	0	7.67	0	0	0	0

表 4.1 麥寮六輕附近海域 99 年第一季浮游動物豐度表(ind./ m^3) ...continued

類別 (ind./ m^3) 測站	1A	1B	1D	2A	2B	2D	3A	3B	4A	4B	5A	5B	1H	2H	3H	4H	5H	1C	2C	4M
Temora turbinata(錐形寬水蚤)	0	6.27	0	0	0	0	0	8	0	16.63	7.07	0	0	8.26	2.54	0	1.93	4	2	0
Cyclopoida(劍水蚤目)																				
Oithona plumifera(羽長腹劍水蚤)	0	0	0	0	0	0	0	0	19.29	0	7.07	0	0	0	0	0	0	0	0	0
Poecilostomatoida																				
Corycaeus(Agetus) typicus(典型大眼水蚤)	18.29	0	0	0	0	0	0	0	18.04	0	18.85	0	0	0	5.08	0	0	0	0	0
Corycaeus(Corycaeus) crassiusculus(微胖大眼水蚤)	0	0	8.58	0	0	0	11.11	0	23.02	0	0	0	17.93	5.72	0	0	0	0	0	0
Corycaeus(Ditrichocorycaeus) andrewsi(亮大眼水蚤)	0	0	3.81	10.05	0	0	0	0	0	0	0	0	0	2.54	0	0	0	0	0	0
Corycaeus(Ditrichocorycaeus) asiaticus(東亞大眼水蚤)	0	0	0	17.24	43.59	0	4.17	0	0	10.36	0	0	0	2.22	0	0	0	0	0	0
Corycaeus(Ditrichocorycaeus) dahli(平大眼水蚤)	16.33	9.8	0	0	0	26.04	0	9	29.25	11.18	0	0	0	0	0	0	1.03	0	0	0
Corycaeus(Onychocorycaeus) pumilus(小型大眼水蚤)	20.25	0	0	7.9	0	0	0	0	0	0	0	0	0	0	1.59	0	1.54	0	0	0
Oncaea media(中隆水蚤)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Oncaea venusta(麗隆水蚤)	0	0	0	0	0	0	0	0	0	0	0	0.92	0	0	0	0	0	0	0	2
Copepodite stage(橈足類幼體)	0	0	16.2	16.52	0	9.3	0	0	0	0	0	14.39	0	0	4.44	0	0.64	0	0	0
Malacostraca(軟甲亞綱)																				
Amphipoda(端足目)																				
Ampelisca sp.(雙眼鉤蝦)	0	6.66	2.38	0	0	0	0	0	0	15.54	0	0	0	0	0	0	0	0	0	0
Themisto sp.(長腳戎)	0	0	0	0	0	0	0	0	0	0	0	0	4.97	0	7.61	0	0	0	0	0
Decapoda(十足目)																				
Brachyura larvae(蟹類幼生)	0	0	14.3	0	0	0	0	0	0	10.63	0	0	14.9	0	0	13.43	0	0	0	0
Macrura larvae(蝦類幼生)	0	0	0	5.03	0	10.69	0	0	0	7.36	30.63	0	6.35	0	0	0	0	0	0	0
Acetes spp.(毛蝦)	0	0	0	0	0	0	0	5.33	0	0	0	0	0	0	0	0	0	0	0	0
Lucifer spp.(正型螢蝦)	0	0	0	0	0	0	0	0	0	0	0	0	0.83	0	0	1.6	0	0	0	0
Mysidacea(糠蝦目)																				
Gastrosaccus pelagicus(漂浮囊糠蝦)	0	0	1.67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

表 4.1　麥寮六輕附近海域 99 年第一季浮游動物豐度表(ind./ m^3).....continued

類別 (ind./ m^3) 測站	1A	1B	1D	2A	2B	2D	3A	3B	4A	4B	5A	5B	1H	2H	3H	4H	5H	1C	2C	4M
Siriella media(中型節糠蝦)	0	8.23	0	0	0	0	0	0	0	0	0	0	26.76	0	0	0	0	0	0	0
Other larvae(其它甲殼綱幼生)	30.05	0	0	0	0	8.37	0	0	92.09	18.54	5.3	0	0	20.33	0	0	0	0	0	0
COELENTERATA 腔腸動物門																				
Calycophorae(鐘泳水母目)																				
Lensia spp.(淺室水母)	0	6.66	0	0	13.55	6.51	0	0	32.36	7.64	24.15	9.18	19.59	33.04	0	3.84	0	0	0	0
Trachymedusae(硬水母目)																				
Geryonia sp.(怪水母)	0	0	0	0	31.81	0	0	0	0	0	0	0	0	0	0	5.43	1.29	0	0	0
CHAETOGNATHA 毛顎動物門																				
Sagittoidea(矢蟲綱)																				
Sagitta enflata(肥胖箭蟲)	0	0	5.72	9.34	0	0	5.55	0	0	17.72	0	25.1	12.97	26.37	0	0	0	0	0	2
Sagitta pacifica(太平洋箭蟲)	0	0	0	0	0	22.78	0	0	0	0	0	0	6.62	6.99	0	10.55	0	2	0	0
Sagitta regularis(規則箭蟲)	0	7.45	0	0	16.49	0	0	0	4.98	0	0	0	0	0	0	0	0	2	2	2
ECHINODERMATA 棘皮動物門																				
Echinodermata larva 棘皮幼生	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
MOLLUSCA 軟體動物門																				
Bivalve larva(二枚貝幼生)	0	0	0	0	0	0	0	0	0	0	0	0	11.59	0	0	0	0	0	0	0
Gastropoda(腹足綱)																				
Firoloida desmaresti(擬翼管螺)	0	0	0	0	0	0	0	0	0	3.54	0	0	0	0	0	0	0	0	0	0
UROCHORDATA 尾索動物門																				
Appendiculata(有尾綱)																				
Oikopleura spp.(住囊蟲)	0	0	0	0	0	0	1.04	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish egg 魚卵	0	0	0	0	0	0	0	0	0	0	0	0	7.73	0	0	0	0.77	0	0	0
總豐度	139.79	144.63	75.54	100.56	344.59	134.36	59.71	112.00	354.06	175.86	164.93	156.12	193.69	129.30	56.63	54.67	9.00	14.00	8.00	36.00

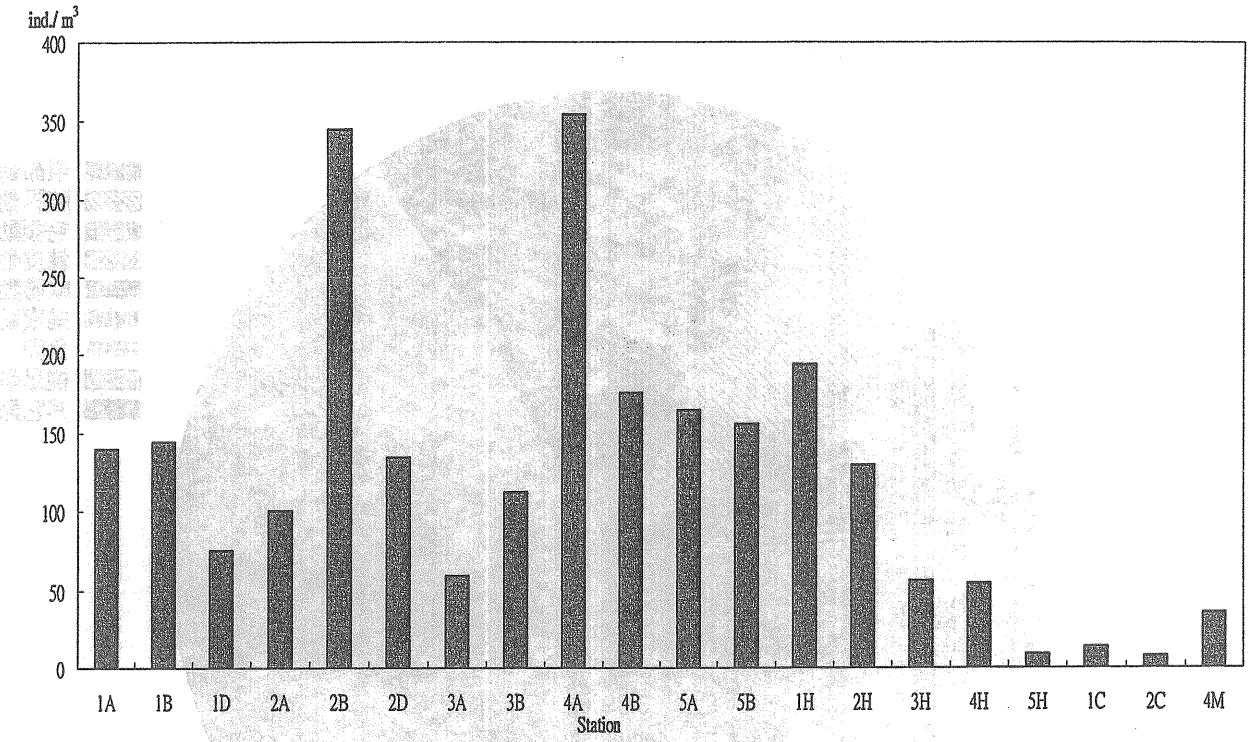


圖 4.1　麥寮六輕附近海域 99 年第一季各測站浮游動物豐度圖

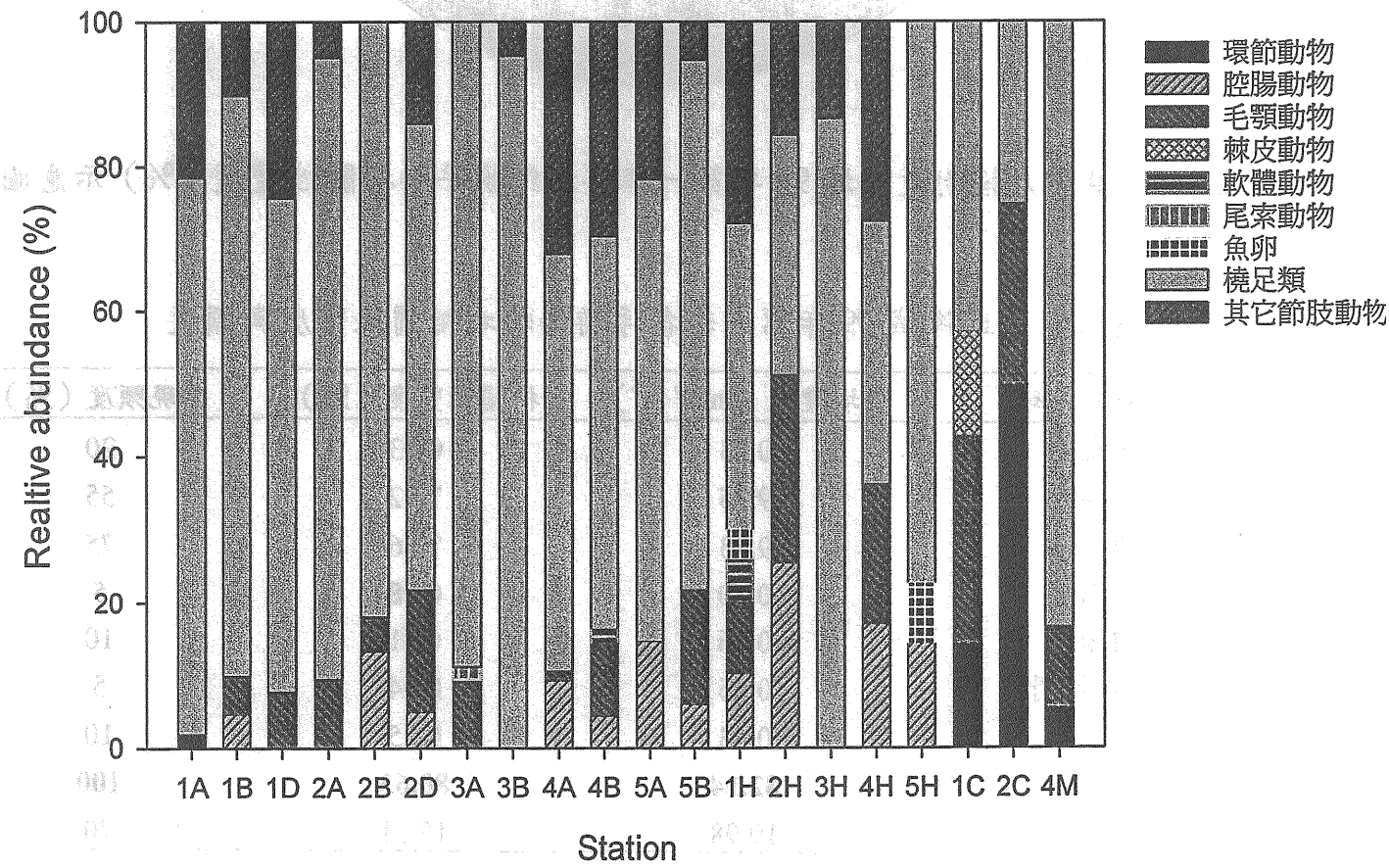


圖 4.2a　麥寮六輕附近海域 99 年第一季浮游動物相關性豐度（%）示意圖

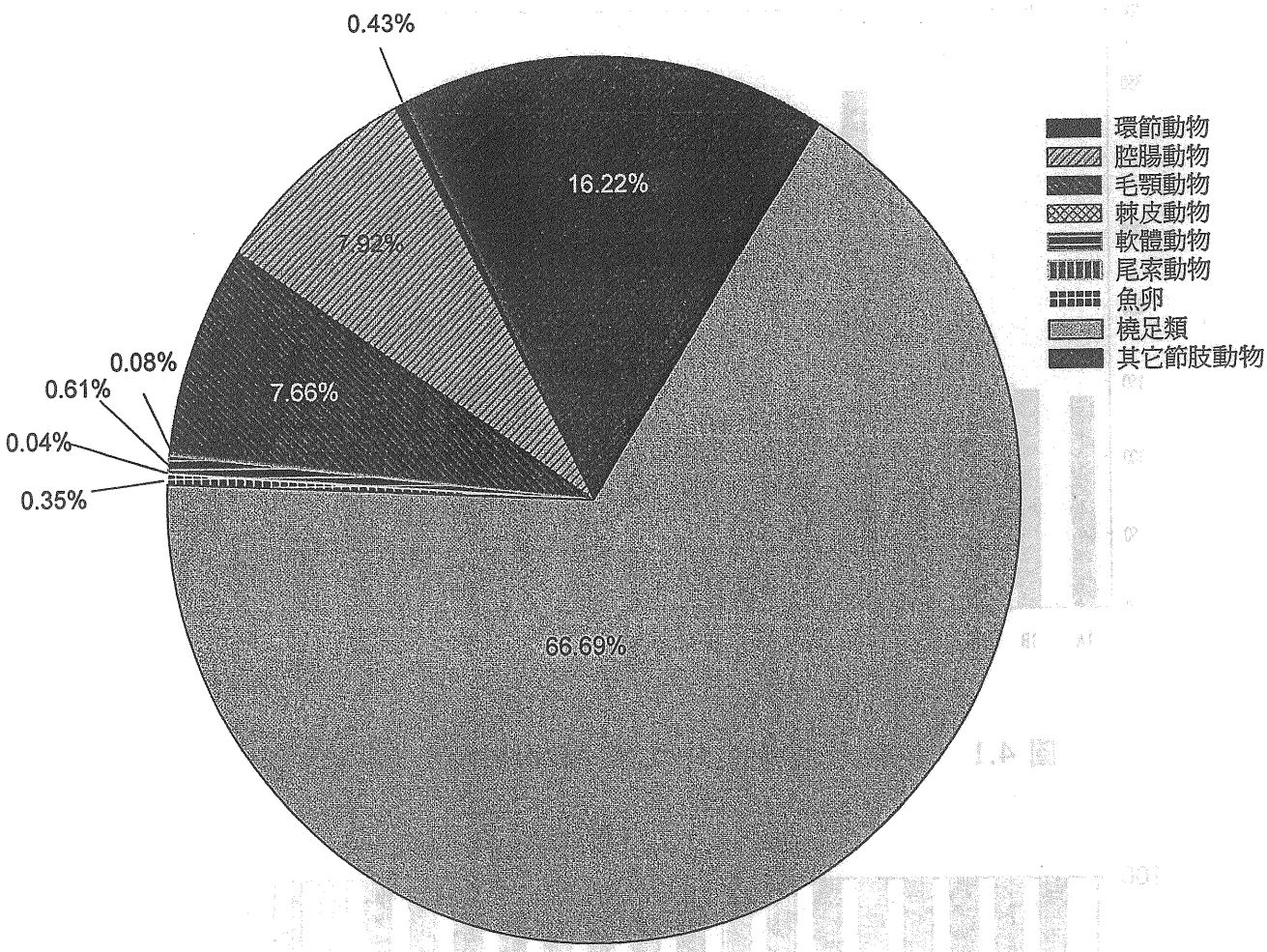


圖 4.2b 麥寮六輕附近海域 99 年第一季浮游動物平均相關性豐度（%）示意圖

表 4.2 麥寮六輕附近海域 99 年第一季各浮游動物之相關性豐度與頻度

浮游動物大類		平均豐度（ind./ m^3）	相關性豐度（%）	出現頻度（%）
環節動物		0.53	0.43	20
腔腸動物		9.75	7.92	55
毛顎動物		9.43	7.66	75
棘皮動物		0.10	0.08	5
軟體動物		0.76	0.61	10
尾索動物門		0.05	0.04	5
魚卵		0.43	0.35	10
節肢動物	橈足類	**82.14**	**80.63**	**100**
	其它	19.98	15.61	70

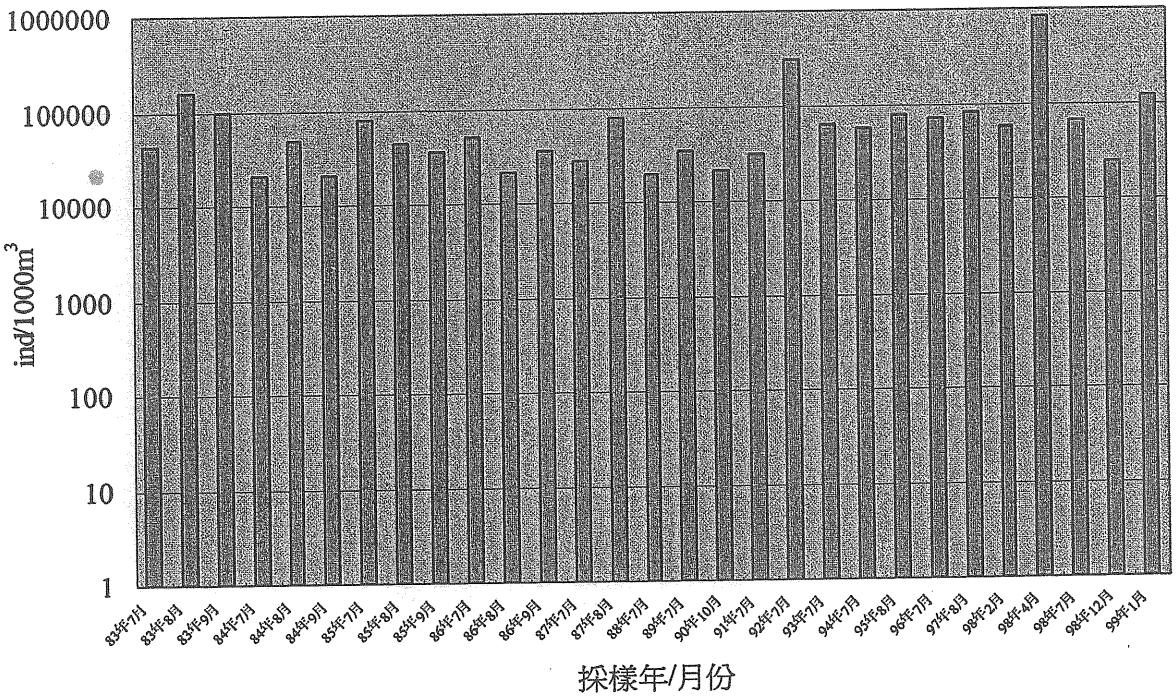


圖 4.3a 歷年度與本季麥寮六輕附近海域浮游動物個體量比較圖

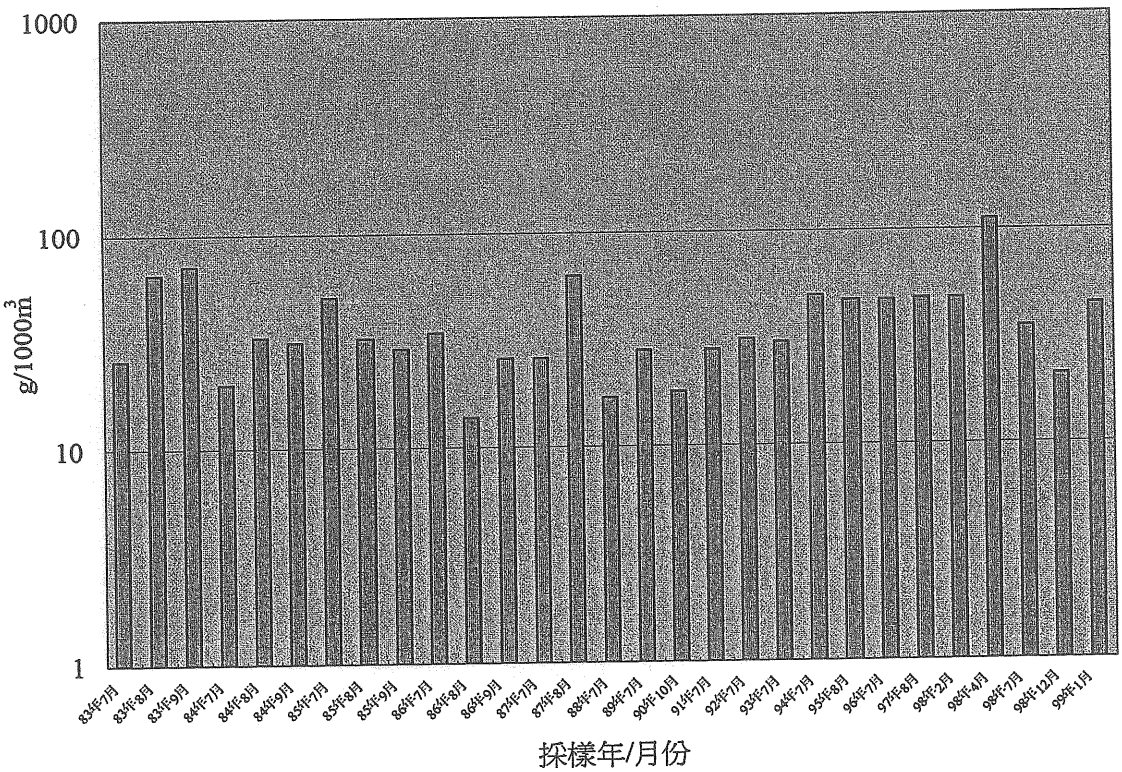
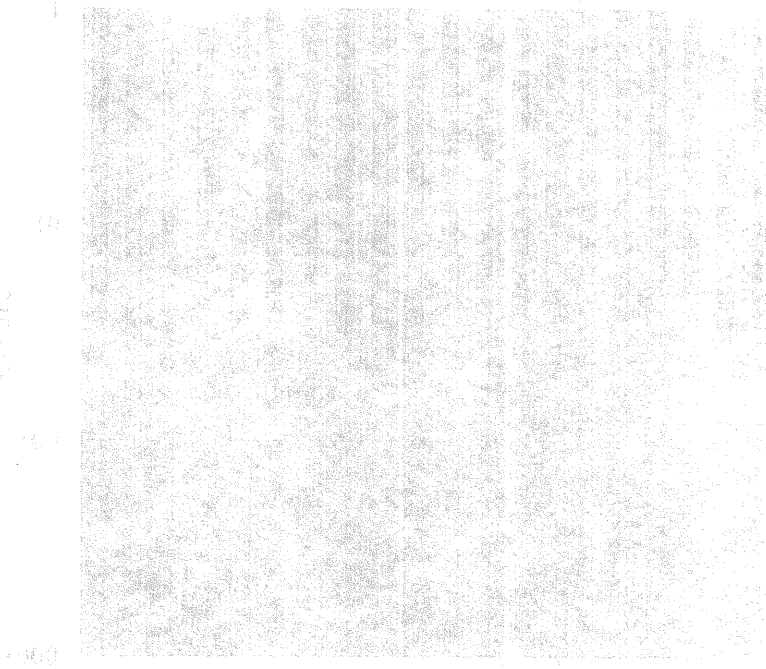
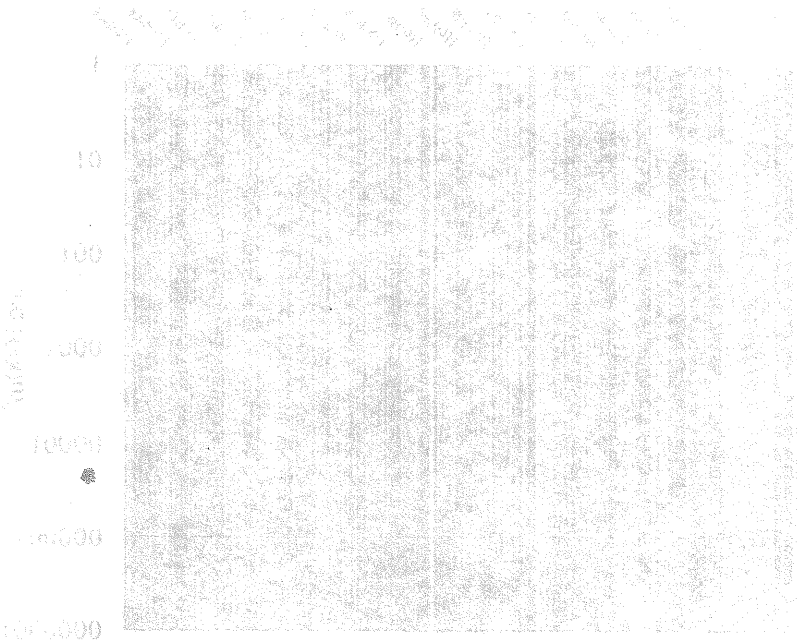


圖 4.3b 歷年度與本季麥寮六輕附近海域浮游動物生體量比較圖





第五章 底棲生態與拖網漁獲調查報告

5.1 調查方法

本計劃執行期間係自 99 年 2 月 25 日在麥寮附近海域進行包括底棲生物和拖網漁獲等項目之調查，各一調查項目之採樣位置，如圖 5.1 所示，以每季一次的頻度於各採樣站進行調查，以期能了解該處海域之生態現況。以下就本項海域生態監測項目及監測方法以及 99 年第一季之調查結果綜合作一敘述。

5.1.1 底棲生物

底棲生物之調查係在當地海域租用漁船，使用矩形底棲生物採樣器在測站 1A 至 5B 共 15 個測站以固定速度進行採樣，採樣之沙泥及樣本，先經由篩網過篩數次，挑出其中之生物樣本並儲存置於 5%福馬林溶液中固定，再攜回實驗室鑑定種類及記錄數量及重量，以了解六輕附近海域之底棲生物相。

5.1.2 拖網漁獲

本試驗租用漁船在近岸及遠岸兩個測站使用蝦拖網進

行採樣。網橫長 15 公尺，網目約 3.5cm，以不通電方式每次拖網作業 30 分鐘，樣本以冷凍或酒精溶液保存，再攜回實驗室鑑定種類及記錄數量及重量。

5.2 調查結果

5.2.1 底棲生物(矩形生物採樣器部份)

本次採樣在 99 年 2 月 25 日於六輕廠周圍海域北從濁水溪口，南至三條崙漁港進行 15 個測站之底棲生物採樣。採獲魚類共計 1 科 1 種 2 尾、節肢動物 6 科 6 種 288 尾及軟體動物與其他生物 7 科 8 種 70 個體，共計 14 科 15 種 360 尾。除 1A、2A 及 4M 三個測站無記錄到任何生物外，其餘各站皆有採獲物種之記錄，種數最高的測站為 5B，記錄有 6 種；最低為 3A、3B 及 4C，僅記錄 1 種。歧異度(H')最高為測站 5B，最低為 3A。在遠岸測站(1A~5A)之歧異度最高為 5A，最低為 3A；近岸測站(1B~5B)則分別為 5B 及 2B；在潮間帶測站 2C、3C 之歧異度值各為 1.3 及 0，1D 灰塘區海域測站為 0.57(表 5.1、表 5.2、表 5.3)。

魚類部分在 15 個測站中，僅 2C 捕獲到 2 尾鯷科

(Engraulidae)幼魚(*Thryssa* sp.)；甲殼類部份以測站 1D 採獲到 72 尾活額寄居蟹科(Diogenidae)的寄居蟹(*Diogenes fasciatus*)為最多；而軟體動物則以測站 4A 採獲 39 個鐘螺科(Trochidae)的彩虹虫昌螺(*Umbonium vestiarium*)最多。99 年第一季底棲生態調查之結果與 98 年第四季採樣結果類似，以節肢動物的及寄居蟹為優勢，共計採獲 1 科 1 種 203 個個體，然而整體而言，軟體動物和節肢動物在採樣數量上略為提升，分別採獲 288 及 105 個個體。

5.2.2 拖網漁獲(蝦拖網部份)

在近岸和遠岸的 2 個測站共採獲魚類 12 科 18 種 186 尾、甲殼類 3 科 7 種 8,368 尾及軟體動物與其他 7 科 9 種 73 個體，共計 6 科 8 種 18 尾。

魚類部份共計採獲 12 科 18 種 186 尾，其中以石首魚科的道氏叫姑魚(*Pennahia pawak*)捕獲體長介於 5 至 10 公分的亞成魚個體共 86 尾最多，總重量約 788 克。魚類在本季的採樣上，比起 98 年第四季，種數及數量上皆減少許多。

甲殼類部份的優勢種類為經濟性的長角彷對蝦(*Parapenaeopsis hardiwickii*)及周氏新對蝦(*Metapenaeus joyneri*)各捕獲 8,042 尾和 268 尾，總重約 29.6 公斤，其餘非經濟性種類如黎明

蟹科(Matutidae)等體型較小之甲殼類生物，在本季採樣數量較少，僅採獲 6 尾。在軟體動物及其他部分共採獲 7 科 9 種 73 個體，其中具經濟價值的玉螺科(Naticidae) 的螺類，在本季採樣僅採獲 7 個，而其他種類之軟體動物在採獲數量上亦減少許多。

整體而言，本季的蝦拖網採樣結果與 98 年第四季採樣呈現不同結果:近岸的拖網測站 1 所捕獲的魚類及軟體動物，雖然在種數、尾數及歧異度指數上皆大於遠岸的拖網測站 2；但是遠岸的測站因採獲大量的節肢動物，所以在數量及總重明顯大於近岸的測站(7,367 尾 vs. 1,001 尾)(表 5.1、表 5.2、表 5.3)。

5.3 檢討與建議

本季以矩形生物採樣器生態調查部分，共採獲 14 科 15 種 360 尾，尾數上較前一季底棲採樣之 203 尾為多，以節肢動物及軟體動物居多，其中活額寄居蟹科(Diogenidae)的寄居蟹(*Diogenes fasciatus*)大量出現最為明顯(共採獲 203 尾)，此現象的原因不明，仍待進一步的調查。另外在 15 個測站中有 3 個測站無採獲任何生物個體，而港內測站 1H 在本季調查中記錄有 22 尾的節肢動物，但此測站在去年前三季的採樣皆無任何生物，在數量上呈現大幅的變化。

我們比較麥寮附近海域亞潮帶底棲動物歷年的優勢種類與所占數量比例後得知，該海域多以簾蛤科(Venerinidae)與櫻蛤科(Tellinidae)為主，但此次的採樣結果顯示，優勢種卻以節肢動物的活額寄居蟹科為主，數量上占 53%；櫻蝦科(Sergestoidae)居第二位，占 22%，此結果與歷年記錄之優勢種類有所差異。

拖網漁獲部份，近岸測站所捕獲的生物在種數及歧異度等指數皆大於遠岸測站，而尾數及總重則小於遠岸測站。採樣數量的優勢種類為甲殼類的對蝦科占 97.1%最多，而重量上則占 83.3%；其次為石首魚科，僅占 1.6%。整體而言，拖網所能捕獲的生物與去年度的調查結果類似，採獲多為經濟性種類，主要有魚類的舌鰨科(Cynoglossidae)與石首魚科、節肢動物的對蝦科與梭子蟹科(Portunidae)及軟體動物的玉螺科，另外非經濟性的混獲生物在採樣中記錄並不多。在本季的拖網調查，大量採獲甲殼類中的對蝦科，然而以往調查的優勢種類如舌鰨科及玉螺科卻大量減少，原因是否與季節的變化有關，在後續的採樣中將密切觀察。由拖網調查結果推論，蝦拖網在麥寮地區仍為相當有經濟效益的一種漁法。

將本計畫執行從 98 年第二季至 99 年第一季的四次採樣

結果，利用空間分析方法得知潮間帶測站(2C、3C)及亞潮帶測站並無明顯差異，可能原因為各測站距離較近所造成；另外拖網遠近岸的兩個測站雖然在種類及數量上有所差異，是在空間分析上呈現無差異的結果(圖 5.3)。

5.4 歷年底棲生物調查結果之比較

由 83 年至 99 年第一季同時期之底棲生物調查結果比較中，此次亞潮帶採樣的調查優勢種前兩名分別為活額寄居蟹科與櫻蝦科，在歷年的調查中經常出現，在採獲密度上數值較往年高，分別為 13.0 及 5.38(尾數/網次)(附表 5.1、附表 5.3)；而潮間帶採樣的優勢種類亦為活額寄居蟹科與櫻蝦科，在歷年的調查記錄中鮮少出現，可能原因為採樣的誤差或整體環境的變遷所造成，另外在採獲密度上，活額寄居蟹科之採獲密度較高，而櫻蝦科則維持不變的趨勢，分別為 17.0 及 2.5(尾數/網次)(附表 5.2、5.4)。

在蝦拖網結果部份，與歷年同時期比較，本季的節肢動物記錄數量大幅上升，記錄有 8,368 尾，其中以對蝦科占 99.42%為多數；但軟體動物記錄之數量卻大幅下降，僅採獲 18 尾；魚類部分則紀錄有 186 尾，與歷年調查結果比較，變動不大。

表 5.1.1 麥寮六輕附近海域之底棲生物及拖網漁獲個體數表(魚類)

類別	科	Family	種	Species	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B	總計
	三棘魨科	Triacanthidae	三棘魨	*Triacanthus biaculeatus*		2																2
	土魟科	Dasyatidae	黃土魟	*Dasyatis bennetti*	3																	3
	石首魚科	Sciaenidae	大頭白姑魚	*Pennahia macrocephalus*	1																	1
			皮氏叫姑魚	*Johnius belangerii*	20																	20
			紅牙鱈	*Otolithes ruber*	10																	10
			黃金鮸 鱈	*Chrysochir aureus*	18	3																21
			道氏叫姑魚	*Johnius dussumieri*	84	2																86
			鱗鮸叫姑魚	*Johnius distinctus*	3																	3
	合齒魚科	Synodontidae	大頭花桿狗母	*Trachinocephalus myops*		1																1
魚類	舌鰨科	Cynoglossidae	布氏鬚鰨	*Paraplagusia blochi*	7	11																18
	沙梭魚科	Sillaginidae	亞洲沙鮻	*Sillago asiatica*	1																	1
	海鯰科	Ariidae	斑海鯰	*Arius maculatus*	11																	11
	帶魚科	Trichiuridae	沙帶魚	*Lepturacanthus savala*	1																	1
	發光鯛科	Acropomatidae	菲律賓尖牙鱸	*Synagrops philippinensis*	1																	1
	鼠鰡科	Callionymidae	扁鰡	*Callionymus planus*	1																	1
	鯷科	Engraulidae	杜氏綾鯷	*Thryssa dussumieri*	3																	3
			芝蕪綾鯷	*Thryssa chefuensis*	1																	1
			綾鯷	*Thryssa* sp.									2									2
	鰏科	Leiognathidae	頸斑鰏	*Nuchequula nuchalis*	1	1																2
總計					166	20							2									188

表 5.1.2 麥寮六輕附近海域之底棲生物及拖網漁獲個體數表(節肢動物)

類別	科	Family	種	Species	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B	總計
節肢動物	活額寄居蟹科	Diogenidae		*Diogenes fasciatus*				8	72	13		13	34		2					59	2	
	玻璃蝦科	Pasiphaeidae	細螯蝦	*Leptochela gracilis*				3									1			1		1
	梭子蟹科	Portunidae	矛形梭子蟹	*Portunus hastatoides*		40		1														1
			紅星梭子蟹	*Portunus sanguinolentus*		1																416
			遠海梭子蟹	*Portunus pelagicus*	1																	277
	對蝦科	Penaeidae	多毛對蝦	*Penaeus penicillatus*	10																	1
			周氏新對蝦	*Metapenaeus joyneri*	188	80																1
			長角彷對蝦	*Parapenaeopsis hardiwic*	802	7240		1				1	1									1
	管鞭蝦科	Solenoceridae	憂鬱管鞭蝦	*Solenocera melantho*																1		1
	黎明蟹科	Matutidae	勝利黎明蟹	*Matuta victor*		6																3
	櫻蝦科	Sergestoidae	中型毛蝦	*Acetes intermedius*						9			5							1	60	1
總計					1001	7367		13	72	22		14	40		2		1			62	62	8656

表 5.1.3 麥寮六輕附近海域之底棲生物及拖網漁獲個體數表(軟體動物及其他)

類別	科	Family	種	Species	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B	總計
軟體動物及其他	鈍矢海鰓科	Kophobelemnid	棒海筆	*Sclerobelemnon burgeri*											1							1
	樹星海膽科	Dendrasteridae	馬氏海錢	*Sinaechinocyamus mai*																	2	2
	刀蟶科	Cultellidae	光芒荳蟶	*Siliqua radiata*					1									2				3
	玉螺科	Naticidae	大玉螺	*Polinices didyma*	3																	3
			細紋玉螺	*Natica lineata*	2	1																3
			蝴蝶玉螺	*Natica alapapilionis*		1																1
	耳烏賊科	Sepiolidae	耳烏賊	*Euprymna morsei*	2	1																3
	抱蛤科	Corbulidae	紅唇抱螺	*Solidicorbula erythrodon*	1																	1
	峨螺科	Buccinidae	象牙鳳螺	*Babylonia areolata*	1																	1
	烏賊科	Sepiidae	曼氏無針烏賊	*Sepiella maindroni*	3																	3
	馬珂蛤科	Mactridae	日本馬珂蛤	*Mactra nipponica*												2						2
	槍魷魚科	Loliginidae	日本鎖管	*Loligo japonica*	1	2																3
	簾蛤科	Veneridae	台灣碟文蛤	*Cyclosunetta comtenpta*																	2	2
	鐘螺科	Trochidae	彩虹虫昌螺	*Umbonium vestiarium*																	1	1
	櫻蛤科	Tellinidae	強壯櫻蛤	*Pinguitellina robusta*										14			39				5	58
			薄櫻蛤	*Moerella iridella*													1					1
總計					13	5			1					14	1	2	40	2			10	88

表 5.2.1 麥寮六輕附近海域之底棲生物及拖網漁獲重量表(魚類)

類別	科	Family	種	Species	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B	總計
	三棘魨科	Triacanthidae	三棘魨	*Triacanthus biaculeatus*		89.5																89.5
	土魟科	Dasyatidae	黃土魟	*Dasyatis bennetti*	1568.9																	1568.9
	石首魚科	Sciaenidae	大頭白姑魚	*Pennahia macrocephalus*	24																	24
			皮氏叫姑魚	*Johnius belangerii*	357																	357
			紅牙鰏	*Otolithes ruber*	200																	200
			黃金鮸 鰏	*Chrysochir aureus*	492.7	52.1																544.8
			道氏叫姑魚	*Johnius dussumieri*	770	18.1																788.1
			鱗鮸叫姑魚	*Johnius distinctus*	110																	110
	合齒魚科	Synodontidae	大頭花桿狗母	*Trachinocephalus myops*		26																26
魚類	舌鰨科	Cynoglossidae	布氏鬚鰨	*Paraplagusia blochi*	179.4	407.3																586.7
	沙梭魚科	Sillaginidae	亞洲沙鮻	*Sillago asiatica*	54.9																	54.9
	海鯰科	Ariidae	斑海鯰	*Arius maculatus*	200																	200
	帶魚科	Trichiuridae	沙帶魚	*Lepturacanthus savala*	28																	28
	發光鯛科	Acropomatidae	菲律賓尖牙鱸	*Synagrops philippinensis*	6.4																	6.4
	鼠鱚科	Callionymidae	扁 鱚	*Callionymus planus*	5																	5
	鯷科	Engraulidae	杜氏綾鯷	*Thryssa dussumieri*	55.5																	55.5
			芝蘇綾鯷	*Thryssa chefuensis*	13.5																	13.5
			綾鯷	*Thryssa* sp.									2.0									2
	鰏科	Leiognathidae	頸斑鰏	*Nuchequula nuchalis*	14.4	12.5																26.9
					4079.7	605.5							2.0									4687.2

表 5.2.2 麥寮六輕附近海域之底棲生物及拖網漁獲重量表(甲殼類)

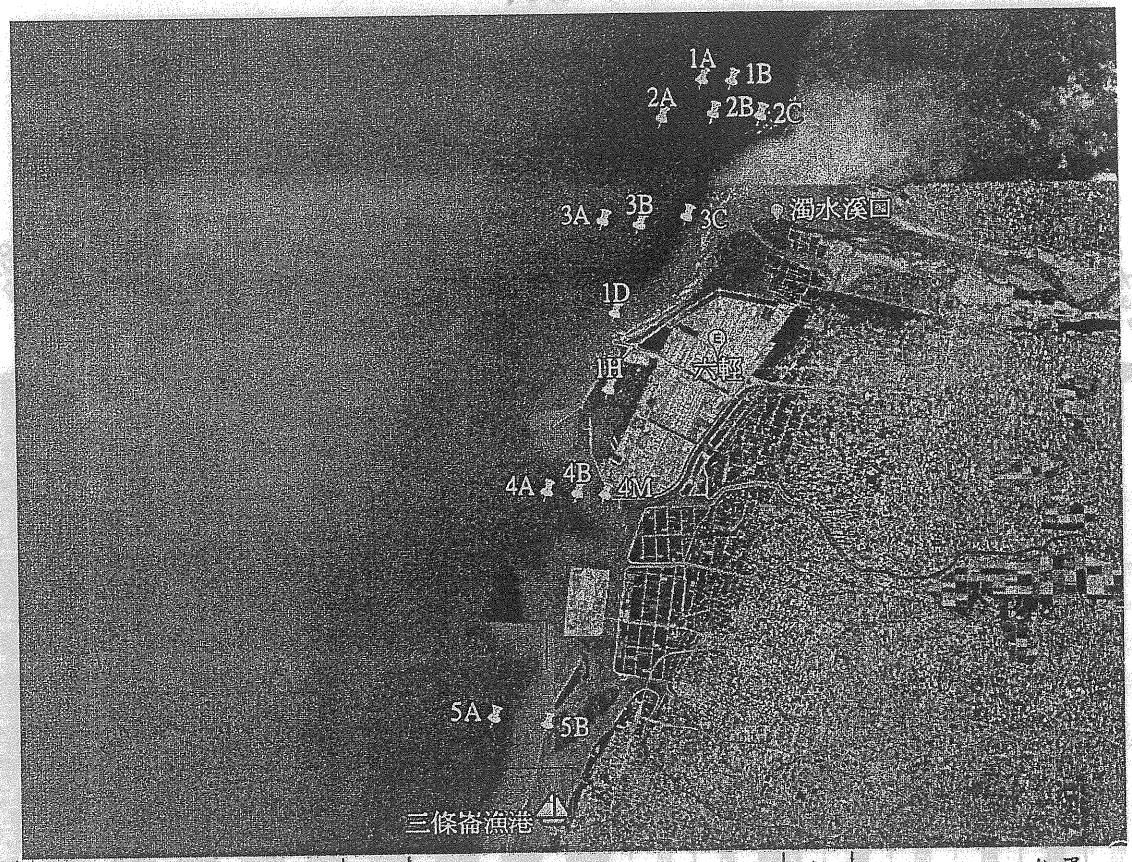
類別	科	Family	種	Species	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B	總計
	活額寄居蟹科	Diogenidae		*Diogenes fasciatus*				0.25	3.42	0.41		0.63	1.37		0.11					2.97	0.02	9.2
	玻璃蝦科	Pasiphaeidae	細螯蝦	*Leptochela gracilis*				0.4									0.2			0.1		0.7
	梭子蟹科	Portunidae	矛形梭子蟹	*Portunus hastatoides*		196.0		3.5														199.5
			紅星梭子蟹	*Portunus sanguinolentus*		80.0																80.0
			遠海梭子蟹	*Portunus pelagicus*	700.0																	700.0
節肢動物	對蝦科	Penaeidae	多毛對蝦	*Penaeus penicillatus*	485.0																	485.0
			周氏新對蝦	*Metapenaeus joyneri*	989.0	440.0																1429.0
			長角彷對蝦	*Parapenaeopsis hardiwic*	1990.0	26130.0		0.9				1.1	1.6									28123.6
	管鞭蝦科	Solenoceridae	憂鬱管鞭蝦	*Solenocera melantho*																2.2		2.2
	黎明蟹科	Matutidae	勝利黎明蟹	*Matuta victor*		180.0																180.0
	櫻蝦科	Sergestoidae	中型毛蝦	Acetes intermedius						0.8			0.2							0.0	4.7	5.6
總計					4164.0	27026.0		5.0	3.4	1.2		1.7	3.1		0.1		0.2			5.2	4.7	31214.6

表 5.2.3 麥寮六輕附近海域之底棲生物及拖網漁獲重量表(軟體動物及其他)

類別	科	Family	種	Species	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B	總計
軟體動物及其他	鈍矢海鰓科	Kophobelemnid	棒海筆	*Sclerobelemnon burgeri*											0.35							0.4
	樹星海膽科	Dendrasteridae	馬氏海錢	*Sinaechinocyamus mai*																	0.14	0.1
	刀蟶科	Cultellidae	光芒荳蟶	*Siliqua radiata*					0.19									0.2				0.4
	玉螺科	Naticidae	大玉螺	*Polinices didyma*	27.8																	27.8
			細紋玉螺	*Natica lineata*	11.3	5.8																17.1
			蝴蝶玉螺	*Natica alapapilionis*		2.4																2.4
	耳烏賊科	Sepiolidae	耳烏賊	*Euprymna morsei*	16.1	2.3																18.4
	抱蛤科	Corbulidae	紅唇抱螺	*Solidicorbula erythrodon*	1.0																	1.0
	峨螺科	Buccinidae	象牙鳳螺	*Babylonia areolata*	8.4																	8.4
	烏賊科	Sepiidae	曼氏無針烏賊	*Sepiella maindroni*	307.2																	307.2
	馬珂蛤科	Mactridae	日本馬珂蛤	*Mactra nipponica*												0.43						0.4
	槍魷魚科	Loliginidae	日本鎖管	*Loligo japonica*	4.1	2.6																6.7
	簾蛤科	Veneridae	台灣碟文蛤	*Cyclosunetta comtenpta*																	0.16	0.2
	鐘螺科	Trochidae	彩虹虫昌螺	*Umbonium vestiarium*																	0.05	0.1
	櫻蛤科	Tellinidae	強壯櫻蛤	*Pinguitellina robusta*										0.9			1.8				0.3	3.0
			薄櫻蛤	*Moerella iridella*													0.1					0.1
總計					375.89	13.1			0.19					0.9	0.35	0.43	1.9	0.2			0.65	393.6

表 5.3 麥寮六輕附近海域測站之個體數、種數、均勻度與岐異度一覽表

	拖網1	拖網2	1A	1B	1D	1H	2A	2B	2C	3A	3B	3C	4A	4B	4M	5A	5B
個體數	1180	7392	0	13	4	4	0	3	6	2	2	1	4	1	0	6	9
種數	27	15	0	4	2	2	0	2	4	1	2	1	3	1	0	4	6
均勻度	0.96	0.88	****	0.98	0.82	1.0	****	0.93	0.96	****	0.99	****	0.91	****	****	0.91	0.96
岐異度(H')	3.16	2.37	0	1.36	0.57	0.69	0	0.64	1.33	0	0.69	0	1.00	0	0	1.26	1.72



測站	位置		測站	位置		測站	位置	
1A	N23° 52' 58.1"	E120° 11' 58.7"	2C	N23° 52' 18.3"	E120° 13' 07.8"	4M	N23° 45' 25.2"	E120° 09' 59.2"
1B	N23° 52' 56.5"	E120° 12' 34.4"	3A	N23° 50' 23.8"	E120° 10' 00.3"	5A	N23° 41' 20.9"	E120° 07' 44.8"
1D	N23° 48' 41.4"	E120° 10' 12.7"	3B	N23° 50' 19.0"	E120° 10' 42.7"	5B	N23° 41' 12.9"	E120° 08' 48.3"
1H	N23° 47' 18.9"	E120° 10' 04.6"	3C	N23° 50' 28.2"	E120° 11' 39.2"	拖網1	N23° 39' 28.7"	E120° 07' 36.5"
2A	N23° 52' 16.2"	E120° 11' 10.6"	4A	N23° 45' 29.1"	E120° 08' 50.9"	拖網2	N23° 42' 41.5"	E120° 06' 51.1"
2B	N23° 52' 20.6"	E120° 12' 11.8"	4B	N23° 45' 26.8"	E120° 09' 26.9"			

圖 5.1 麥寮六輕附近海域生態調查測站圖

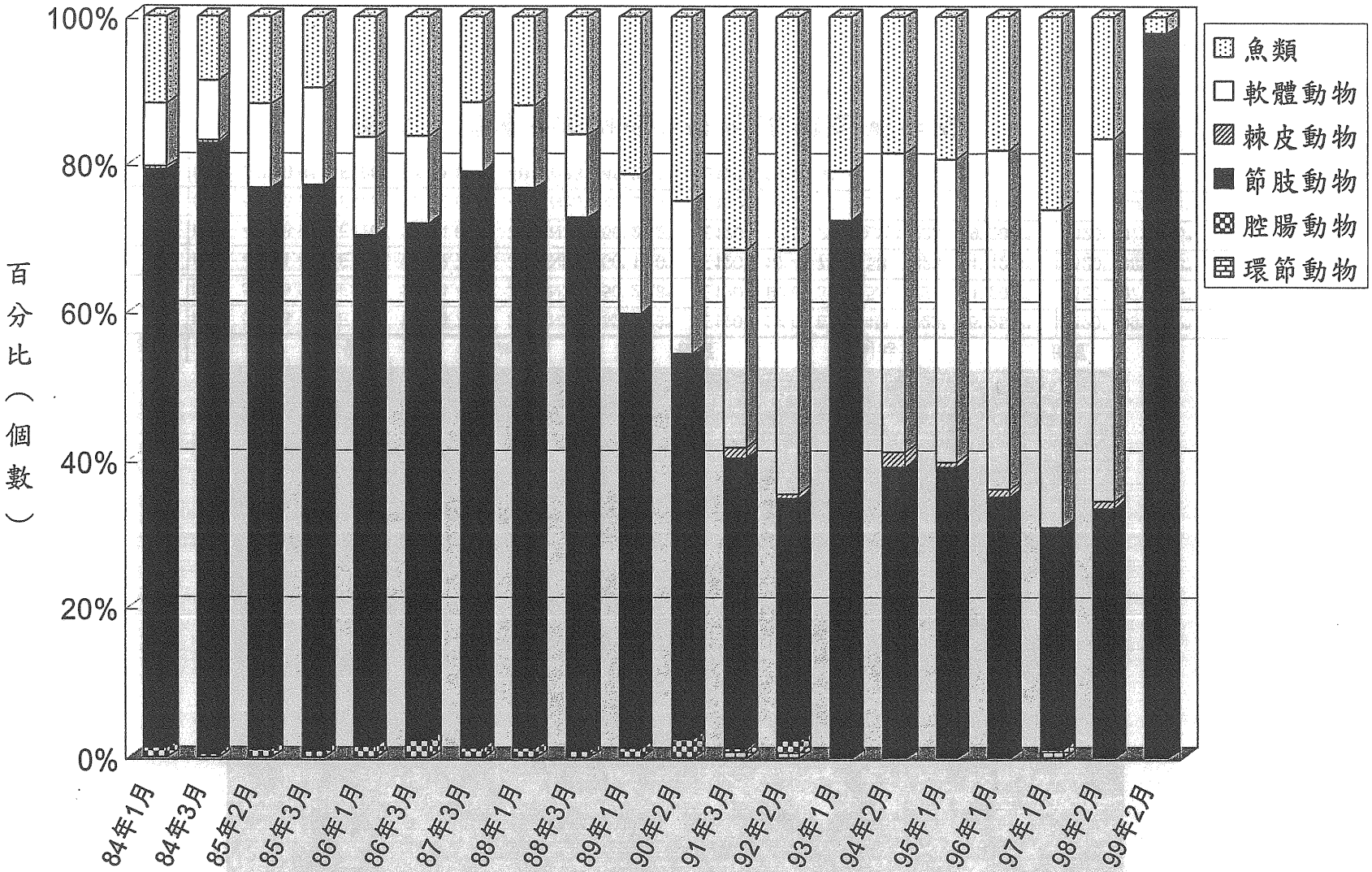


圖 5.2 歷年第一季麥寮附近拖網調查結果比較圖

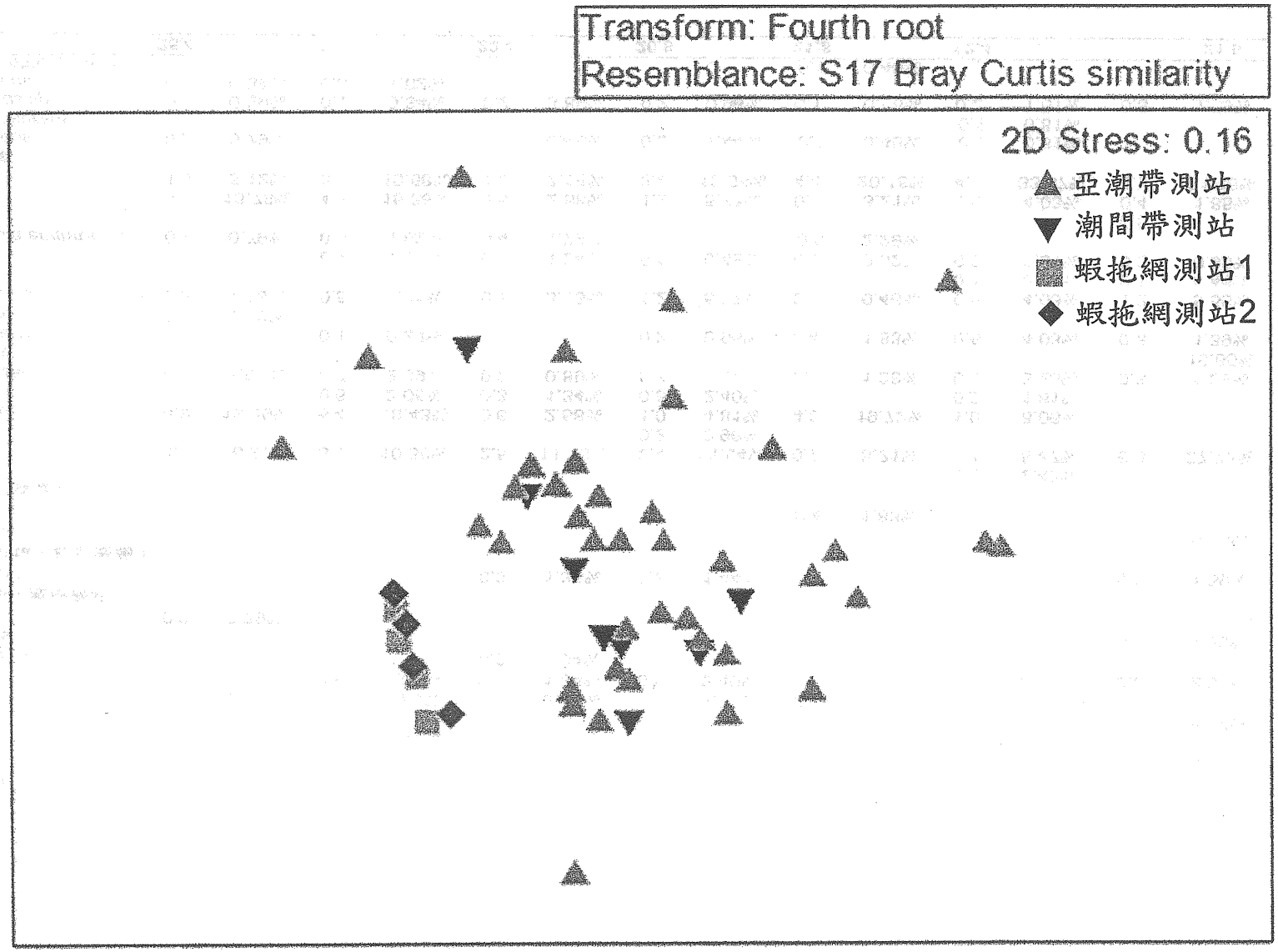


圖 5.3 麥寮六輕附近海域底棲生態調查空間分析結果圖

附表 5.1　84-87 年麥寮六輕附近海域第一季亞潮帶底棲動物之種類與其採獲密度

月別	84.01		84.03		85.02		85.03		86.01		86.03		87.03	
種類	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比
Annelida(環節動物)														
Polychaeta	0.3	1.18%			0.4	1.79%	0.3	1.44%						
Crustacea（節肢動物）														
Acetes sp.	0.2	0.79%	0.1	0.34%					0.3	1.38%				
Diogenes sp.	6.8	26.77%	7.0	23.89%	10.7	47.77%	6.1	29.33%	6.9	31.65%	1.7	13.71%	2.8	12.96%
Hippidae							0.1	0.48%	0.1	0.46%	0.1	0.81%		
Isopoda			0.1	0.34%										
Leptochela sp.					0.1	0.45%			0.3	1.38%				
Leucosia craniolaris													0.2	0.93%
Lysmata sp.													0.5	2.31%
Matuta sp.			0.2	0.68%										
Majidae													0.9	4.17%
Penaeidae	1.3	5.12%	2.0	6.83%	0.8	3.57%	1.0	4.81%	0.9	4.13%	0.9	7.26%		
Portunidae	0.2	0.79%	0.6	2.05%	0.3	1.34%	0.5	2.40%			0.3	2.42%	0.5	2.31%
Rhizopinae					0.3	1.34%								
Sergestidae													0.3	1.39%
Squlilla sp.	0.2	0.79%												
Coelenterata（腔腸動物）														
Pennatulacea					0.3	1.34%	0.3	1.44%					0.3	1.39%
Echinodermata（棘皮動物）														
Arachnoidae													0.1	0.46%
Clypeastroidea									0.4	1.83%				
Mollusca（軟體動物）														
Chion sp.											0.3	2.42%		
Corbulidae	4.3	16.93%	3.1	10.58%	2.5	11.16%	2.4	11.54%	0.7	3.21%	1.1	8.87%	6.0	27.78%
Hastula sp.							0.2	0.96%						
Macoma sp.	4.9	19.29%	5.4	18.43%	0.6	2.68%	1.0	4.81%	4.3	19.72%	1.0	8.06%		
Tellinidae			0.6	2.05%	0.3	1.34%	0.5	2.40%			0.2	1.61%		
Melongenidae	0.5	1.97%	0.7	2.39%	0.2	0.89%	0.7	3.37%	0.3	1.38%	0.4	3.23%	0.3	1.39%
Nassariidae													2.3	10.65%
Nitidotellina sp.			0.1	0.34%			0.2	0.96%	0.4	1.83%	0.5	4.03%	0.3	1.39%
Phalium sp.	0.3	1.18%												
Reticunassa sp.	0.3	1.18%	0.5	1.71%	0.7	3.13%	1.2	5.77%	0.1	0.46%	0.5	4.03%	1.2	5.56%
Siliqua sp.											0.1	0.81%	0.1	0.46%
Sinum sp.			0.4	1.37%	0.3	1.34%	0.1	0.48%	0.2	0.92%	0.2	1.61%	0.2	0.93%
Solidicorbula erythrodon	0.2	0.79%	0.3	1.02%	0.4	1.79%			0.5	2.29%				
Tellinidae													0.5	
Trochidae	3.5	13.78%	4.5	15.36%	0.6	2.68%	1.2	5.77%	0.7	3.21%	0.5	4.03%	0.4	1.85%
Veneridae	1.3	5.12%	3.1	10.58%	1.6	7.14%	2.9	13.94%	4.4	20.18%	4.2	33.87%	4.7	21.76%
Pisces（魚類）														
Callionymidae	0.2	0.79%			0.1	0.45%	0.3	1.44%	0.1	0.46%	0.1	0.81%		
Chrysochir aureus											0.1	0.81%		
Cynoglossus sp.	0.1	0.39%	0.1	0.34%	0.2	0.89%	0.2	0.96%	0.1	0.46%	0.2	1.61%	0.3	1.39%
Sillago sihama	0.1	0.39%	0.3	1.02%										
Trachinocephalus myops									0.1	0.46%				
Total（總計）	25.4		29.3		22.4		20.8		21.8		12.4		21.6	

附表 5.1.1　88-94 年麥寮六輕附近海域第一季亞潮帶底棲動物之種類與其採獲密度

月別	88.01		88.03		89.01		90.02		91.03		92.02		93.01		94.02	
種類	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比
Annelida(環節動物)																
Polychaeta	1.3	5.08%	0.7	3.03%	1.2	6.94%	0.7	4.58%	0.8	4.76%	0.5	2.60%	0.3	0.49%	0.7	2.53%
Nereidae																
Crustacea（節肢動物）																
Balanidae													0.2	0.33%		
Calappidae															1.3	4.69%
Charybdis feriatus									0.6	3.57%	0.5	2.60%				
Diogenidae	3.2	12.50%	4.5	19.48%	0.4	2.31%	1.2	7.84%					5.3	8.65%	1.4	5.05%
Donippidae	0.4	1.56%							0.6	3.57%						
Dordanus crassimanus									1.8	10.71%						
Hetapehaeus bartata							0.2	1.31%								
Hippidae													0.1	0.16%	0.8	2.89%
Idotheoidae													0.3	0.49%		
Leucosia craniolaris	0.1	0.39%	0.1	0.43%												
Lysmata sp.																
Majidae							0.4	2.61%								
Mysidae													0.5	0.82%		
Penaeidae	1.6	6.25%	0.4	1.73%	1.4	8.09%	1.4	9.15%	0.7	4.17%	3.7	19.27%	0.2	0.33%	2.6	9.39%
Pinnotheridae													0.1	0.16%		
Portunidae	0.9	3.52%	0.5	2.16%	1.1	6.36%	1.7	11.11%	3.5	20.83%	0.9	4.69%	1.7	2.77%	2.0	7.22%
Rhizopinae	0.3	1.17%														
Sergestidae	0.8	3.13%	0.7	3.03%	0.5	2.89%	0.8	5.23%			1.8	9.38%			1.9	6.86%
Squilla sp.	0.2	0.78%														
Coelenterata（腔腸動物）																
Obelia plana	0.5	1.95%	0.4	1.73%							0.3	1.56%				
Pennatulidae			0.3	1.30%									0.3	0.49%		
Sipunculoidea（星口動物）																
Echinodermata（棘皮動物）																
Arachnoidae													2.0	3.26%		
Clypeaster japonica									0.2	1.19%						
Ophiocomidae	0.6	2.34%			0.5	2.89%							0.2	0.33%		
Scutellidae											0.2	1.04%	27.4	44.70%	0.3	1.08%
Mollusca（軟體動物）																
Architectonicidae													0.2	0.33%		
Atyidae															0.3	1.08%
Chion dysoni											1.3	6.77%			1.8	6.50%
Corbulidae	5.1	19.92%	6.8	29.44%			0.8	5.23%	1.9	11.31%	1.8	9.38%	0.5	0.82%	1.3	4.69%
Crassostrea gigas							0.6	3.92%	1.1	6.55%	0.3	1.56%			0.6	2.17%
Cymatiidae													0.1	0.16%		
Dosinorbis sp.	0.3	1.17%														
Melongenidae	1.3	5.08%	0.8	3.46%			0.3	1.96%	0.3	1.79%	0.3	1.56%	0.9	1.47%		
Mesodesmatidae													0.2	0.33%		
Mitridae													0.1	0.16%		
Naticidae															1.8	6.50%
Nassariidae	1.1	4.30%	0.5	2.16%	0.6	3.47%							5.5	8.97%	1.4	5.05%
Nitidotellina sp.	0.3	1.17%			1.0	5.78%										
Nodilittorina millegrana									0.8	4.76%						
Ovulidae													0.1	0.16%		
Reticunassa sp.	0.1	0.39%	0.2	0.87%												
Sepia esculenta									0.3	1.79%						
Siliqua sp.									0.3	1.79%						
Sinum sp.																
Tellinidae	0.3		0.3								2.0	10.42%	10.6	17.29%	2.7	9.75%
Terebridae													0.4	0.65%	2.0	7.22%
Trochidae	0.8	3.13%	0.6	2.60%	1.0	5.78%	1.3	8.50%	0.6	3.57%	1.9	9.90%	1.3	2.12%	1.5	5.42%
Turridae									0.3	1.79%			0.1	0.16%		
Veneridae	5.2	20.31%	5.4	23.38%	7.5	43.35%	2.2	14.38%	3.0	17.86%	1.6	8.33%	3.0	4.89%	2.2	7.94%
Vermetidae													0.2	0.33%		
Pisces（魚類）																
Arius maculatus							0.7	4.58%	0.2	1.19%					0.3	1.08%
Callionymus sp.			0.4	1.73%	0.8	4.62%	0.9	5.88%			0.2	1.04%				
Cynoglossidae	0.4	1.56%	0.5	2.16%	0.8	4.62%	0.4	2.61%	0.3	1.79%					0.7	2.53%
Leiognathus splandens	0.6	2.34%					0.9	5.88%			0.2	1.04%			0.3	1.08%
Siganus fuscescens							0.8	5.23%								
Sillago sihama	0.2	0.78%														
Total（總計）	25.6		23.1		17.3		15.3		16.8		19.2		61.3		27.7	

附表 5.1.2　95-99 年麥寮六輕附近海域第一季亞潮帶底棲動物之種類與其採獲密度

月別	95.01		96.01		97.01		98.02		99.02	
種類	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比
Annelida(環節動物)										
Nereidae	0.3	1.22%	0.4	1.49%			0.5	1.80%		
Crustacea（節肢動物）										
Balanidae										
Calappidae	0.8	3.27%	1.6	5.97%	1.3	4.89%	1.6	5.70%		
Diogenidae	1.4	5.71%	1.8	6.72%	1.2	4.89%	0.9	3.30%	13.0	53.72%
Hippidae			0.8	2.99%	0.6	4.89%	0.5	1.80%		
Idotheoidae										
Mysidae										
Penaeidae	2.2	8.98%	1.9	7.09%	2	4.89%	2.8	10.00%	0.15	0.62%
Pinnotheridae										
Portunidae	2.9	11.84%	2.6	9.70%	2.4	0.00%	2.1	7.80%	0.08	0.33%
Pasiphaeidae									0.38	1.57%
Sergestidae	1.7	6.94%	2.7	10.07%			1.6	5.80%	5.38	22.23%
Solenoceridae									0.08	0.33%
Squillidae			0.3	1.12%			0.3	1.20%		
Coelenterata（腔腸動物）										
Kophobelemnidae									0.08	0.33%
Obelia plana										
Pennatulidae										
Echinodermata（棘皮動物）										
Arachnoidae										
Dendrasteridae									0.15	0.62%
Ophiocomidae	0.2	0.82%								
Scutellidae			0.2	0.75%	0.3	4.89%	0.3	0.90%		
Mollusca（軟體動物）										
Architectonicidae										
Atyidae					0.5	4.89%	0.3	0.90%		
Chion dysoni	1.2	4.90%								
Corbulidae	0.7	2.86%	0.9	3.36%	1.3	4.89%	1.1	3.90%		
Crassostrea gigas	0.8	3.27%	0.2	0.75%						
Cultellidae										
Cymatiidae									0.23	0.95%
Donacidae			1.9	7.09%	1.3	4.89%	1.2	4.20%		
Littorinidae			0.2	0.75%			0.4	1.50%		
Melongenidae										
Mesodesmatidae										
Mitridae										
Nassariidae	1.6	6.53%			1.1	4.89%	1.1	3.90%		
Naticidae	1.6	6.53%			1.3	4.89%	1.1	3.90%		
Ovulidae										
Sepiidae			0.2	0.75%			0.3	0.90%		
Tellinidae	2.7	11.02%	3.0	11.19%	2.8	4.89%	2.8	10.00%	4.54	18.76%
Terebridae							0.8	2.70%		
Trochidae	1.9	7.76%	2.2	8.21%	1.9	4.89%	1.7	6.10%	0.08	0.33%
Turridae			0.9	3.36%			0.8	2.70%		
Veneridae	3.3	13.47%	1.7	6.34%	3.3	4.89%	2.4	8.40%		
Vermetidae									0.15	0.62%
Pisces（魚類）										
Apogonidae			0.3	1.12%	0.3	4.89%	0.4	1.50%		
Arius maculatus										
Callionymus sp.	0.8	3.27%	0.3	1.12%	0.3	4.89%	0.4	1.50%		
Cynoglossidae	0.3	1.22%	0.4	1.49%	0.5	4.89%	0.6	2.10%		
Leiognathus splandens	0.3	1.22%	0.2	0.75%	0.2	4.89%				
Platycephalidae			0.2	0.75%			0.3	0.90%		
Siganus fuscescens	0.2	0.82%								
Total（總計）	**24.5**		**26.8**		**26.6**		**26.3**		**24.2**	

附表 5.2.1　84-89 年麥寮六輕附近海域第一季潮間帶底棲動物之種類與其採獲密度

月別	84.01		84.03		85.02		85.03		86.01		86.03		87.03		88.01		88.03		89.01	
種類	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比
Annelida（環節動物）																				
Polychaeta	1.5	5.08%	2.5	20.00%	1.0	9.52%	2.5	10.20%			0.5	3.13%					0.5	2.00%	1.5	7.50%
Crustacea（節肢動物）																				
Alpheus sp.																				
Helice tridens	6.5	22.03%	2.0	16.00%	0.5	4.76%	2.0	8.16%					1	3.08%	1.0	5.00%			1.0	5.00%
Helice latimera									11.0	46.81%	2.0	12.50%			1.0	5.00%	1.5	6.00%	2.0	10.00%
Hemigrapsus penicillatus																				
Isopoda					1.0	9.52%	3.5	14.29%												
Lepas sp.	6.0	20.34%																		
Metopograpsus messor									1.0	4.26%	1.0	6.25%			1.0	5.00%			1.0	5.00%
Macrophthalmus abbreviatus					0.5	4.76%	1.5	6.12%					0.5	1.54%			3.5	14.00%	0.5	2.50%
Mictyris brevidactylus					1.5	14.29%	4.5	18.37%	2.0	8.51%	5.5	34.38%	8	24.62%	4.5	22.50%			1.5	7.50%
Pagurus sp.											0.5	3.13%					6.0	24.00%		
Parasesarma pictum			1.0	8.00%	2.5	23.81%	4.5	18.37%	3.0	12.77%			4.5	13.85%	5.0	25.00%			2.0	10.00%
Perisesarma bidens	1.0	3.39%					0.5	2.04%									3.0	12.00%		
Philyra pisum													0.5	1.54%			1.0	4.00%		
Sergestidae																			1.0	5.00%
Scopimera globosa					0.5	4.76%							1	3.08%						
Cyclina sinensis																				
Uca sp.	1.5	5.08%	1.0	8.00%									3	9.23%			2.5	10.00%	1.0	5.00%
Varuna sp.													0.5	1.54%	3.5	17.50%				
Mollusca（軟體動物）																				
Corbulidae																			2.5	12.50%
Cyclina sinensis									1.0	4.26%			2	6.15%	0.5	2.50%			0.5	2.50%
Laternula sp.	1.0	3.39%			3.0	28.57%	7.5	30.61%	3.5	14.89%			1.5	4.62%			4.0	16.00%	3.5	17.50%
Littoraria sp.	3.0	10.17%	2.0	16.00%					2.0	8.51%	3.5	21.88%								
Meretrix sp.													1	3.08%	1.5	7.50%				
Mactra sp.															0.5	1.54%				
Moerella sp.											1.5	9.38%								
Monodonta sp.											1.0	6.25%								
Mytilidae	7.5	25.42%	4.0	32.00%																
Reticunassa sp.											0.5	3.13%								
Veneridae													1	3.08%	1.5	7.50%				
Tellinidae													10	30.77%	2.5	12.50%	3.0	12.00%	2.0	10.00%
Total（總計）	**29.5**		**12.5**		**10.5**		**24.5**		**23.5**		**16.0**		**32.5**		**20.0**		**25.0**		**20.0**	

附表 5.2.2　88-99 年麥寮六輕附近海域第一季潮間帶底棲動物之種類與其採獲密度

月別	90.02		91.03		92.02		93.01		94.02		95.01		96.01		97.01		98.02		99.02	
種類	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比	平均值	百分比
Annelida（環節動物）																				
Nereidae									0.5	1.82%	0.5	1.89%	0.5	1.61%	0.5	1.61%	1.5	3.60%		
Polychaeta	1.0	5.41%	2.5	10.64%																
Crustacea（節肢動物）																				
Alpheus sp.	2.0	10.81%			1.5	6.82%														
Balanidae							4.0	4.19%												
Calappidae											3.5	13.21%					2.5	6.00%		
Diogenidae					1.5	6.82%	12.5	13.09%	2.0	7.27%			1.5	4.84%	1.5	4.84%	0.5	1.20%	17.0	77.27%
Ficus ficus	1.0	5.41%																		
Gaetice depressus	2.5	13.51%			0.5	2.27%														
Grapsidae					3.5	15.91%			4.0	14.55%	4.0	15.09%	8.0	25.81%	8.0	25.81%	7.5	17.90%		
Helice latimera																				
Helice tridens			2.5	10.64%																
Hemigrapsus penicillatus	1.5	8.11%	3.5	14.89%																
Hetapenaeopsis bartata	0.5	2.70%																		
Hippidae									1.5	5.45%										
Metopograpsus messor	0.5	2.70%	1.0	4.26%																
Macrophthalmus abbreviatus																				
Mictyris brevidactylus	1.0	5.41%	2.0	8.51%	3.5	15.91%			2.0	7.27%	3.0	11.32%	2.5	8.06%	2.5	8.06%	3.0	7.10%		
Mysidae							23.5	24.61%												
Ocypodidae					0.5	2.27%					0.5	1.89%	1.5	4.84%	1.5	4.84%	0.5	1.20%		
Parasesarma pictum	1.0	5.41%	1.0	4.26%																
Penaeidae																			0.5	2.27%
Philyra pisum																				
Sergestidae							13.5	14.14%	1.5	5.45%	3.0	11.32%	3.0	9.68%	3.0	9.68%	2.5	6.00%	2.5	11.36%
Scopimera globosa																				
Thalamita sp.	1.0	5.41%																		
Uca sp.			1.5	6.38%																
Varuna sp.													0.5	1.61%	0.5	1.61%	0.5	1.20%		
Xanthidae																				
Mollusca（軟體動物）																				
Cardiidae							0.5	0.52%												
Cellana sp.	1.0	5.41%																		
Corbulidae	0.5	2.70%	0.5	2.13%	3.0	13.64%	1.0	1.05%	2.5	9.09%			1.0	3.23%	1.0	3.23%				
Codakia tigerina					1.0	4.55%														
Cyclina sinensis			2.5	10.64%																
Donacidae							0.5	0.52%												
Laternula sp.	0.5	2.70%																		
Littorinidae					3.5	15.91%	3.5	3.66%	2.5	9.09%	3.5	13.21%	4.0	12.90%	4.0	12.90%	4.5	10.70%		
Lucinidae											1.0	3.77%	1.0	3.23%	1.0	3.23%	0.5	1.20%		
Mactridae																			1.0	4.55%
Mactra sp.																				
Mectra veneriformis			1.0	4.26%																
Meretrix sp.			3.5	14.89%																
Moricidae									3.5	12.73%	3.0	11.32%	2.5	8.06%	2.5	8.06%	3.0	7.20%		
Nassariidae							2.5	2.62%									2.0	4.80%		
Neritidae					1.5	6.82%			1.0	3.64%	3.0	11.32%	2.5	8.06%	2.5	8.06%	3.5	8.30%		
Soletellina diphos					1.5	6.82%														
Tellinidae	2.0	10.81%					17.0	17.80%					1.0	3.23%	1.0	3.23%	2.0	4.80%		
Terebridae							1.0	1.05%												
Trochidae					0.5	2.27%	10.5	10.99%	2.0	7.27%	0.5	1.89%	0.5	1.61%	0.5	1.61%	0.5	1.20%		
Veneridae	2.5	13.51%	5.5	23.40%			3.0	3.14%	2.5	9.09%			1.5	4.84%	1.5	4.84%	3.0	7.20%		
Pisces（魚類）																				
Callionymidae									2.0	7.27%	1.0	3.77%	1.5	5.66%	1.5	5.66%	1.0	2.40%		
Cynoglossidae													1.0	3.77%	1.0	3.77%	2.5	6.00%		
Engraulidae																				
Gobiidae							0.5	0.52%											1.0	4.55%
Echinodermata（棘皮動物）																				
Arachnoidae							3.5	3.66%												
Scutellidae							2.0	2.09%												
Total（總計）	18.5		23.5		22.0		95.5		26.0		26.0		31.0		37.5		41.0		22.0	

附表 5.3 麥寮六輕附近海域亞潮帶底棲動物第一季調查之優勢種類及所佔數量比例

	Diogenidae 活額寄居蟹科	Portunidae 梭子蟹科	Penaeidae 對蝦科	Sergestidae 櫻蝦科	Corbulidae 藍蛤科	Tellinidae 櫻蛤科	Trochidae 鐘螺科	Veneridae 簾蛤科	Scutellidae 盤海膽科
84年1月	26.8 (1)				16.9(3)	19.3(2)			
84年3月	23.9(1)					18.4(2)	15.4(3)		
85年2月	47.8(1)				11.2(2)				
85年3月	29.3(1)				11.5(2)				
86年1月	31.7(2)					34.8(1)		10.5(3)	
86年3月	13.7(2)					14.5(1)			
87年3月	14.4(2)				27.0(1)				
88年1月	12.5(2)				18.4(1)	12.5(2)			
88年3月	19.5(2)				28.6(1)	10.4(4)		10.8(3)	
89年1月						13.3(2)		16.2(1)	
90年2月	7.8(2)						8.5(1)		
91年3月	10.5(2)				11.4(1)				
92年2月						10.4(1)	10.0(2)		
93年1月						17.2(2)			44.7(1)
94年2月			9.3(2)			9.6(1)			
95年1月		11.8(2)						13.5(1)	
96年1月				10.0(2)		11.2(1)			
97年1月		8.8(3)	7.6(4)			10.7(2)		12.7(1)	
98年2月			10.0(1)			10.0(2)		8.4(3)	
99年2月	53.4(1)			22.2(2)		18.4(3)			

附表 5.4 麥寮地區海域潮間帶底棲動物第一季調查之優勢種類及所佔數量比例

	Calappidae 饅頭蟹科	Diogenidae 活額寄居蟹科	Grapsidae 方蟹科	Mictyridae 和尚蟹科	Ocypodidae 沙蟹科	Mysidae 糠蝦科	Sergestidae 櫻蝦科	Corbulidae 藍蛤科	Laternulidae 薄殼蛤科	Littorinidae 濱螺科	Moricidae 結螺科	Mytilidae 殼菜蛤	Tellinidae 櫻蛤科	Veneridae 簾蛤科	Polychaeta 多毛類
84年1月			22.0(2)									25.4(1)			
84年3月			16.0(3)							16.0(4)		32.0(1)			20.0(2)
85年2月			23.8(2)	14.3(3)					28.6(1)						
85年3月			18.4(2)	18.4(3)					30.6(1)						
86年1月			59.6(1)						14.9(2)						
86年3月				34.4(1)						21.9(2)					
87年3月			13.9(3)	24.6(2)										30.8(1)	
88年1月			25.9(1)	22.5(2)	17.5(3)									12.5(4)	
88年3月				24.0(1)	14.0(3)				16.0(2)						
89年1月								12.5(2)	17.5(1)						
90年2月			13.5(2)				10.8(3)							24.3(1)	
91年3月			14.9(1)											14.9(1)	
92年2月				15.9(1)				13.6(3)		15.9(2)					
93年1月		13.1(4)				24.6(1)	14.1(3)						17.8(2)		
94年2月			14.5(1)								12.7(2)				
95年1月	13.2(2)		15.1(1)							13.2(2)					
96年1月			25.8(1)							12.9(2)					
97年1月			22.6(1)	10.7(3)						12.7(2)	10.6(4)				
98年2月			17.9(1)								10.7(2)				
99年2月		77.2(1)					11.3(2)								

第六章 鯨豚調查報告

6.1 調查方法

租 CT2 級漁船自台子村出海於雲林沿海進行調查，調查航線共四條：『近岸航線』，離岸約 1-1.5 公里（在麥寮六輕工業區及新興工業區附近由於水深較深，離岸較近；在其餘地區由於河口水深較淺以及部份近岸的沙洲影響，可能離岸較遠），以及三條『離岸航線』（由近岸航線平行往外移 0.5、1、1.5 海浬），每條航線長約 36.9 公里。每趟調查來回走不同航線，每次皆以近岸航線加上隨機選取三條離岸航線其中之一為當天的穿越線調查路線（圖 6.1），來回航線的順序由當天隨機抽選決定，每次進行調查時皆以手持式全球衛星定位系統 GPSmap 60CSx（Garmin Corp.，Taiwan）定位並依照規畫航線進行調查。調查範圍北起北緯 23°52'南至北緯 23°34'。於 98 年 6-9 月份執行 32 趟（天次）海上調查，調查期間在浪級小於 4 級且能見度遠達 500 m 以上時視為 On-effort（有效努力量），當天氣狀況不佳難以進行有效觀測，或是當進行海豚追蹤時，則視為 Off-effort（無效之努力量）。

每趟調查船上至少有四人參與，其中三人各於船首及船隻左右側的高處位置持望遠鏡觀察海面，觀察人員約每 20 分鐘交換一次位置以避免對同一觀察區域產生觀察疲乏，每人輪換三個不同的觀察位置後，則到休息位置休息約 20 分鐘以保持觀察員的體力。海上調查過程中船速保持在 4-9 節

（海浬/小時），約每一海浬利用 YSI 30 鹽溫儀（Y.S.I.，U.S.A.）量測水表溫度及鹽度，YSI 60 酸鹼儀（Y.S.I.，U.S.A.）量測水表氫離子濃度（pH 值），以及記錄當時船上漁探機顯示之深度。最初遇見海豚時，利用手持式全球衛星定位系統 GPSmap 60CSx（Garmin Corp.，Taiwan）首先記錄海豚被發現時的目擊位置，此外也估計當時海豚距船的目測距離，慢慢接近動物後，再記錄海豚接觸位置的精確座標，並估算隻數以及海豚行為。回航後配合 Taiwan Blue Chart v5 地圖資料（Garmin Corp.，Taiwan）沿岸地圖，計算此接觸位置離海岸（永久陸地）之最近距離。另外以數位單眼相機或錄影機記錄海豚影像，以便進行影像資料分析。目擊之後如海豚群體沒有表現明顯的躲避行為則進行跟蹤，每三分鐘記錄該海豚群體之行為與 GPS 位置，當所跟蹤的海豚消失於視野且經過連續 10 分鐘之等待或尋找確認無再目擊，則返回航線上繼續進行下一群之搜尋。

6.2 資料分析

調查資料將就不同航線之間的中華白海豚目擊率、空間分佈以及環境因子進行分析。首先計算在各航線上的總有效努力量，再將各航線上目擊的中華白海豚群體數量除以該航線上的有效努力量，則得到標準化的目擊率。另外再以每趟次之目擊率做為統計分析的數值，以比較不同航線上的目擊率是否有顯著差異。

依據目擊資料中的經緯度以地理資訊系統進行空間分佈定位。此外並

分析海豚接觸位置的各項環境因子（水表溫度、鹽度、氫離子濃度、水深）。另外以 Taiwan Blue Chart v5 地圖資料(Garmin Corp.，Taiwan)地圖，計算此接觸位置離海岸之最近距離。

6.3 結果

6.3.1 調查努力量與目擊率

目前已於 2009 年 7/30、9/2、12/9 及 2010 年 4/11 進行每季各一趟的海上調查，共完成四季四趟調查，總有效努力里程為 273.83 公里、23.80 小時，共執行過近岸航線四次、離岸 1 航線兩次、離岸 2 及離岸 3 航線各一次，各航線之有效努力里程分別為：近岸航線 132 公里、離岸 1 航線 67.83 公里、離岸 2 航線 36.63 公里、離岸 3 航線 37.37 公里。

四趟的海上調查中有兩趟目擊到海豚群體，趟次目擊率為 50%，共發現 5 群中華白海豚，其中有一群包含母子對，有 4 群是在有效努力期間被發現。經有效努力量的標準化處理後，各航線的里程目擊率如下：近岸航線為 1.63 ± 0.96 群/每 100 公里、8.61 ± 6.12 隻/每 100 公里；離岸 1 航線為 1.41 ± 1.41 群/每 100 公里、11.31 ± 11.31 隻/每 100 公里；離岸 2 航線為 2.73 群/每 100 公里、10.92 隻/每 100 公里；離岸 3 航線則未發現鯨豚，其目擊率為零。

6.3.2 空間分佈

發現的 5 群海豚其空間分佈如圖 6.2，發現位置最北至麥寮港北堤的南側，最南至三條崙海域。其中一群有母子對的群體出現在舊虎尾溪口海域。部分群體也發現會出現在離岸稍遠的區域，其中 1 群在離岸 2 航線附近的群體也是在舊虎尾溪口發現。

6.3.3 環境因子

發現的 5 群海豚其接觸位置的各項環境因子如下：平均水表溫度 26.93℃（範圍：22.8-30.7 ℃）、平均水表鹽度 32.98 ppt（範圍：31.7-34.5 ppt）、平均 pH 值 8.28（範圍：8.26-8.29）、平均水深 11.8 m（範圍：8.2-15.9 m）、平均最近離岸距離 1.92 km（範圍：0.39-3.8 km）。

6.4 討論

目前結果大致上符合周蓮香與李政諦（2009；2010）在雲林沿海所進行的調查結果，中華白海豚主要棲息環境在淺水近岸之水域，且水表 pH 值高於 8 的區域。目前主要分佈範圍在麥寮港北堤以南。北堤以北則無目擊紀錄，在周蓮香與李政諦過去兩年（2009；2010）72 趟海上的調查中僅發現兩群，推測可能與 pH 稍低的海水酸化有關，導致北堤以北之目擊率極低，建議未來應嚴加監測北堤以北海水酸化情形。

相較於 2008 年及 2009 年在本海域的趟次目擊率分別為 77.5%與

65.63%，本計畫的趟次目擊率偏低僅有 50%。另外，在不同航線間目擊率之趨勢也與周蓮香與李政諦（2010）的調查結果差異頗大，本研究發現以離岸 2 航線為最高，近岸航線次之。這樣的差異可能是因為部份航線目前僅有一次調查記錄，取樣過度偏差，由此可見每季僅做一趟的調查將會造成結果很大的偏差，未來應增加海上調查樣本數目。另外，海上調查顯示離岸 3 航線未發現任何中華白海豚，應與其離岸過遠有關，建議在未來的研究計畫可取消此航線。

6.5 參考文獻

周蓮香、李政諦（2009）。雲林沿海中華白海豚調查計畫（第一年度）。台塑關係企業委託調查報告，84 頁。

周蓮香、李政諦（2010）。雲林沿海中華白海豚調查計畫（第二年度）。台塑關係企業委託調查報告，88 頁。

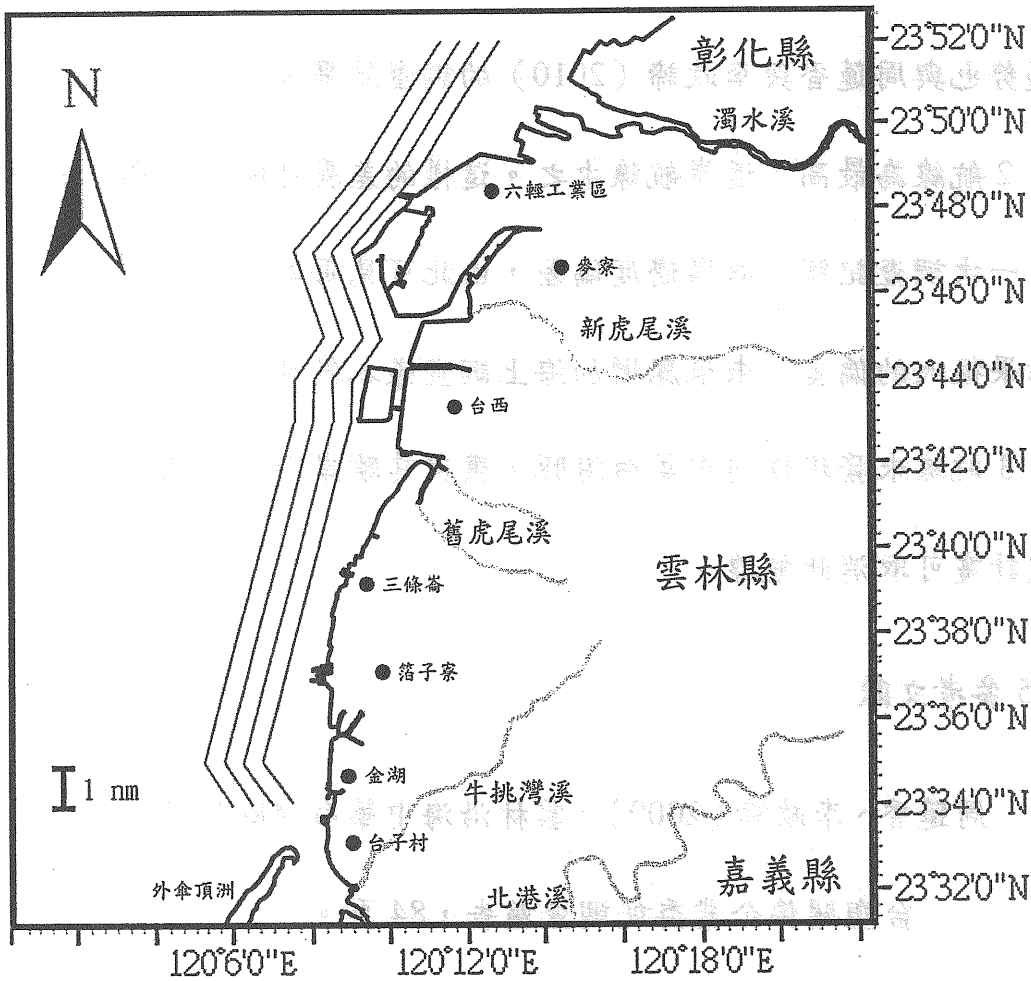


圖 6.1 海上調查航線圖，本計畫調查範圍北至北緯 23°52'南至北緯 23°34'，最靠近岸(右側)之航線為近岸航線，剩餘離岸較遠之三條航線為離岸航線(依離岸距離的不同，由近至遠依序分為離岸 1、2、3 三條航線)，每條航線之間平行間隔約 1 公里。

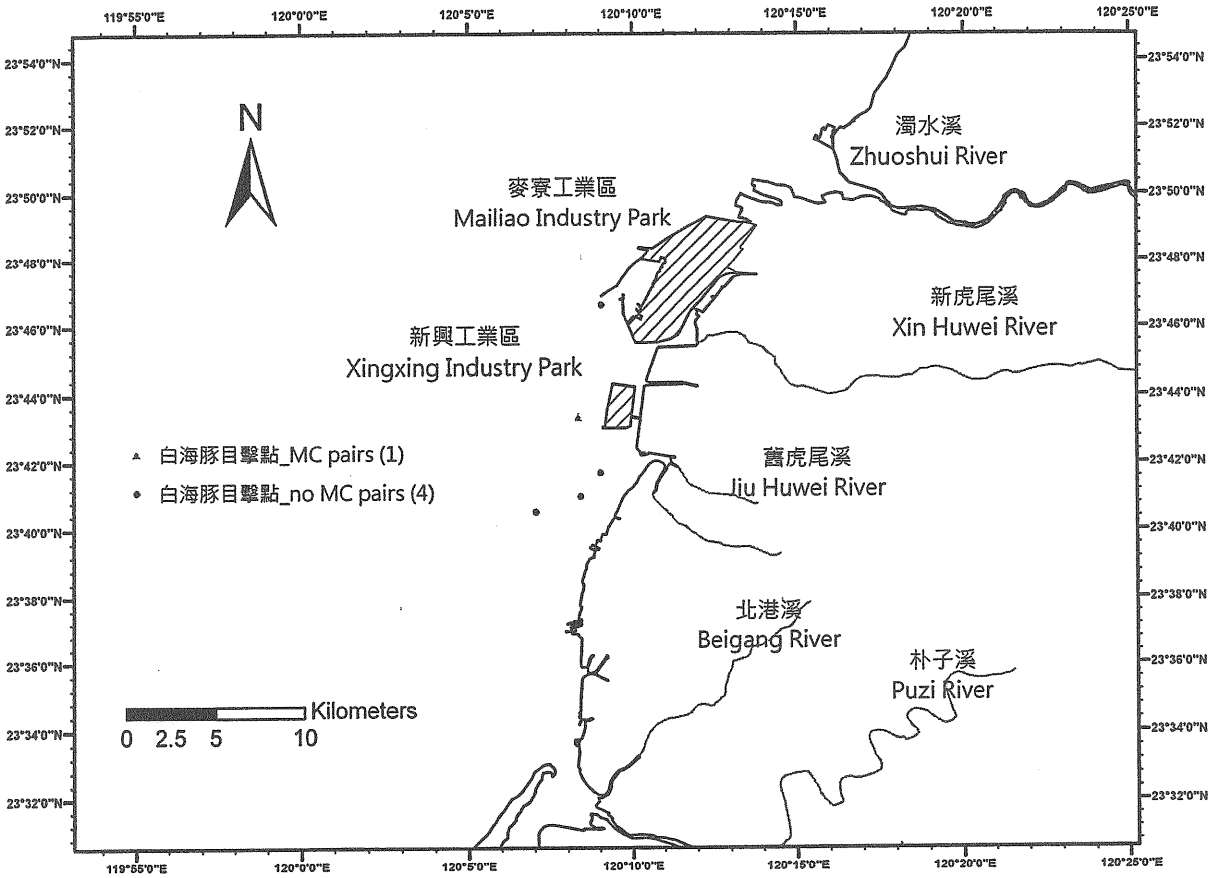
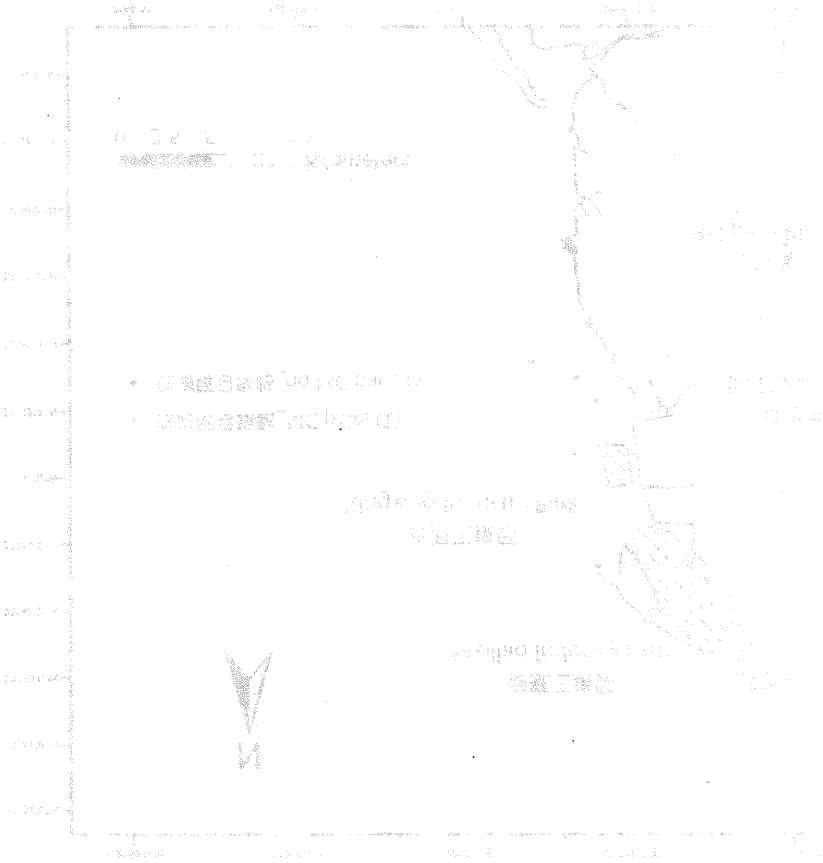


圖 6.2 中華白海豚目擊空間分佈圖，圓形點為在該群體未發現母子對之群體，三角形點為有發現母子對之群體，斜線區塊則為麥寮六輕工業區（北）及新興區（南）。



附 錄 一

附錄一.麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	溫 度 (℃)	鹽 度 (psu)	pH	溶氧量 (mg/L)	生物需氧量 (mg/L)	磷酸鹽 (μM)	總磷 (μM)	矽酸鹽 (μM)	氨氮 (μM)	亞硝酸鹽 (μM)	硝酸鹽 (μM)	葉綠素 a (μg/L)	大腸桿菌	氰化物 (μg/L)	總酚 (μg/L)	總油脂量 (mg/L)	礦物性油脂量 (mg/L)
1A	0	17.29	33.36	7.99	7.39	0.77	0.23	0.31	3.89	0.07	0.96	4.22	0.11	3	6.74	12.70	11.8	4.8
	6	17.26	33.37	7.97	8.22	1.56	0.18	0.23	3.52	0.10	0.88	5.71	0.17	2	7.08	6.11	8.8	2.4
	12	17.21	33.36	7.91	8.48	1.23	0.18	0.22	2.08	0.10	0.72	3.50	0.21	3	4.57	12.23	3.7	2.4
1B	0	18.38	32.45	7.98	8.50	1.38	0.18	0.27	4.53	1.13	0.74	3.44	0.10	3	5.59	12.70	4.1	3.2
	4	18.45	32.86	7.99	7.89	1.06	0.19	0.28	4.85	0.20	1.12	4.43	0.16	3	7.08	13.17	5.8	2.6
	9	17.28	33.33	8.02	7.57	0.98	0.22	0.30	5.11	0.41	1.18	3.50	0.30	2	6.94	14.11	9.4	3
2A	0	17.17	33.33	8	8.63	1.79	0.22	0.33	4.95	2.11	1.10	4.65	0.75	2	4.00	8.47	5	1.5
	8	17.17	33.33	7.99	6.95	1.21	0.23	0.27	3.14	1.43	0.92	3.98	0.12	3	4.00	6.59	4.6	1.2
	16	17.18	33.38	8.01	8.50	2.56	0.18	0.33	3.52	0.31	0.98	4.34	0.22	1	5.79	4.23	8	4.6
2B	0	18.38	32.45	7.99	7.27	3.03	0.21	0.38	1.76	1.23	0.94	3.78	0.21	2	5.93	7.53	4.6	2.3
	4	18.43	33.03	7.95	8.06	3.23	0.19	0.28	3.99	0.72	0.96	3.62	0.10	2	5.05	8.00	6.4	4.4
	8	17.28	33.33	7.99	6.65	2.50	0.22	0.28	2.02	0.41	0.88	4.61	0.10	2	4.00	12.23	13.2	8.4
3A	0	17.61	33.07	7.86	7.57	0.62	0.21	0.39	4.21	6.76	1.00	3.94	0.69	1	6.60	6.11	12.4	3
	7	17.58	33.10	7.94	6.64	0.58	0.21	0.29	2.24	7.67	0.90	3.82	0.16	3	5.52	8.00	3.2	1.2
	15	17.15	33.37	7.94	8.38	1.15	0.21	0.30	3.46	4.20	0.84	3.70	0.37	7	4.00	7.53	7.4	3.8

附錄一.麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	溫 度 (℃)	鹽 度 (psu)	pH	溶氧量 (mg/L)	生物需氧量 (mg/L)	磷酸鹽 (μM)	總磷 (μM)	矽酸鹽 (μM)	氨氮 (μM)	亞硝酸鹽 (μM)	硝酸鹽 (μM)	葉綠素a (μg/L)	大腸桿菌	氯化物 (μg/L)	總酚 (μg/L)	總油脂量 (mg/L)	礦物性油脂量 (mg/L)
3B	0	18.38	32.45	7.98	6.88	0.79	0.18	0.25	3.78	7.99	0.88	3.56	0.15	2	5.66	6.59	1	2.6
	4	18.45	32.86	7.96	7.22	0.89	0.16	0.22	3.46	8.60	1.10	4.63	0.45	1	6.60	9.41	13.4	6.6
	9	17.28	33.33	7.95	8.44	0.89	0.21	0.27	2.93	3.99	0.96	3.90	0.10	1	5.93	13.17	4.4	2.8
2C	0	18.50	32.56	7.95	8.18	0.48	0.18	0.21	1.23	0.31	1.04	5.87	0.20	3	4.00	8.52	10.6	3.6
3C	0	18.50	32.44	7.94	7.75	0.33	0.24	0.28	2.02	1.74	0.86	5.46	0.20	5	4.00	8.73	9.6	5.6
1D	0	18.38	32.45	7.95	6.51	0.69	0.18	0.24	3.09	10.1	1.06	4.95	0.31	5	4.00	14.11	3.2	1.4
	4	18.44	32.95	7.76	8.47	1.48	0.21	0.27	3.04	7.78	1.06	4.41	0.18	1	4.10	5.17	10.6	3.8
	9	17.28	33.33	7.76	8.32	1.20	0.21	0.28	2.88	7.58	1.00	4.41	0.16	1	6.74	12.23	8.6	3.2
2D	0	18.17	32.86	7.99	7.28	0.28	0.19	0.22	1.33	5.97	0.88	5.09	0.19	3	4.00	23.05	2	3.4
	6	17.55	33.15	7.96	7.30	0.50	0.21	0.27	2.72	4.81	1.06	3.78	0.15	3	4.57	15.99	2	1.8
	11	17.36	33.37	7.84	7.12	0.53	0.22	0.30	4.26	4.71	1.06	5.07	0.44	4	5.86	24.57	1.8	2
1H	0	16.85	33.20	8.08	7.30	0.44	0.23	0.28	1.38	7.96	1.24	4.49	0.82	2	6.40	13.64	0.8	3
	8	16.86	33.20	8.06	6.72	0.35	0.23	0.29	4.63	9.22	1.28	4.51	0.91	3	4.00	4.70	5	3
	17	16.46	33.17	8.15	6.79	0.29	0.23	0.27	1.12	9.83	1.28	4.71	0.71	7	6.13	9.41	8.6	1.2

附錄一.麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	溫 度 (℃)	鹽 度 (psu)	pH	溶氧量 (mg/L)	生物需氧量 (mg/L)	磷酸鹽 (μM)	總磷 (μM)	矽酸鹽 (μM)	氨氮 (μM)	亞硝酸鹽 (μM)	硝酸鹽 (μM)	葉綠素 a (μg/L)	大腸桿菌	氫化物 (μg/L)	總酚 (μg/L)	總油脂量 (mg/L)	礦物性油脂量 (mg/L)
2H	0	16.52	33.17	7.93	6.94	0.30	0.19	0.25	4.74	9.63	1.30	3.70	0.89	3	4.57	7.06	16.6	0.8
	9	16.51	33.17	8.05	7.72	0.92	0.23	0.30	2.43	7.27	1.24	3.86	0.80	1	4.78	3.29	12	1.8
	18	16.40	33.17	8.03	7.56	1.47	0.15	0.20	2.24	9.01	1.20	3.86	0.63	6	5.18	3.29	10.4	4.8
3H	0	16.85	33.20	7.83	8.21	1.88	0.22	0.32	3.62	6.66	1.16	4.43	0.58	2	4.00	11.29	9.6	2.2
	9	16.85	33.20	8.04	7.00	0.45	0.23	0.27	2.24	7.27	1.24	3.68	0.67	5	6.33	12.23	11.2	2.8
	18	16.46	33.17	8.03	7.54	0.65	0.21	0.25	1.76	6.25	1.24	4.77	0.79	2	5.79	12.70	16.4	4.8
4H	0	16.52	33.17	8.02	7.50	0.48	0.21	0.24	1.33	6.04	1.20	4.24	0.42	6	6.67	18.81	15.2	2.4
	9	16.51	33.17	8.04	8.50	0.77	0.21	0.38	2.02	6.04	1.26	4.22	0.64	5	4.51	13.17	6	2.2
	19	16.40	33.17	8.03	6.35	0.33	0.22	0.28	2.98	5.63	1.18	4.10	0.72	2	4.00	8.94	4.2	1
5H	0	16.52	33.17	8.03	7.42	0.55	0.06	0.09	2.72	7.17	1.24	3.66	0.55	4	6.53	5.64	3	1.4
	9	16.51	33.17	8	7.68	2.21	0.22	0.29	2.18	7.78	1.24	4.36	0.64	6	4.00	2.82	13	4
	18	16.40	33.17	8	6.75	2.51	0.22	0.26	2.61	8.09	1.24	4.34	0.53	2	4.51	8.00	2.2	1
4A	0	17.57	32.96	8.1	8.53	1.57	0.22	0.29	1.49	9.32	1.10	4.39	0.70	4	5.18	11.29	2.6	0.8
	8	17.43	33.31	8.07	8.48	0.89	0.22	0.26	1.70	5.17	0.94	4.32	0.33	3	5.52	12.70	5.6	1.8
	17	17.35	33.45	8.01	8.62	0.70	0.24	0.30	1.81	6.45	0.88	4.18	0.47	6	4.00	13.17	3.5	1.4

附錄一.麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	溫 度 (℃)	鹽 度 (psu)	pH	溶氧量 (mg/L)	生物需氧量 (mg/L)	磷酸鹽 (μM)	總磷 (μM)	矽酸鹽 (μM)	氨氮 (μM)	亞硝酸鹽 (μM)	硝酸鹽 (μM)	葉綠素 a (μg/L)	大腸桿菌	氫化物 (μg/L)	總酚 (μg/L)	總油脂量 (mg/L)	礦物性油脂量 (mg/L)
4B	0	17.58	33.43	8.08	6.69	0.45	0.23	0.28	4.15	4.92	1.02	4.36	0.62	3	5.45	5.17	14.8	3.6
	7	17.59	33.44	7.93	8.01	0.86	0.26	0.31	5.38	5.73	0.96	4.30	0.42	2	6.20	6.11	14	2.2
	14	17.59	33.45	8.01	7.54	0.85	0.24	0.30	4.53	4.61	0.82	3.50	0.65	3	4.64	10.64	10.6	3.8
5A	0	17.57	32.96	8	7.65	0.47	0.23	0.28	2.96	5.43	0.76	3.68	0.64	4	4.24	13.17	10.8	3.2
	9	17.41	33.36	8.01	7.75	0.98	0.24	0.33	5.01	5.63	0.76	3.48	0.71	2	5.52	14.11	16.6	5.8
	19	17.35	33.45	8.02	7.39	0.45	0.29	0.38	2.72	3.77	1.12	3.12	1.17	2	5.72	15.99	13.2	4.8
5B	0	17.58	33.43	8.09	7.25	0.48	0.24	0.38	2.72	6.66	0.84	3.84	0.79	5	4.00	11.29	8.4	3.4
	6	17.58	33.44	8.14	7.21	0.45	0.25	0.41	3.41	6.14	0.80	3.50	0.85	1	5.79	11.76	13.8	3.2
	13	17.59	33.45	7.97	7.77	2.30	0.21	0.30	3.04	5.73	0.72	3.28	0.87	4	6.40	12.70	7.8	3.6
4M	0	18.50	32.72	7.99	7.48	0.35	0.38	0.45	5.22	4.20	1.34	5.10	0.42	7	4.00	7.64	13	6
1R	0	17.55	33.07	7.95	8.83	2.48	0.21	0.28	2.82	1.13	1.36	4.51	0.17	2	6.06	9.88	10.4	2.4
2R	0	17.55	33.07	7.95	8.01	1.18	0.18	0.24	3.84	0.61	1.04	3.82	0.13	1	5.32	11.29	19.8	3.8

附錄一.台塑麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	懸浮固體 (mg/L)	鎘 (μg/L)	鉻(VI) (μg/L)	鈷 (μg/L)	銅 (μg/L)	鉛 (μg/L)	鋅 (μg/L)	鐵 (μg/L)	砷 (μg/L)	汞 (ng/L)	甲基汞 (ng/L)
1A	0	42.51	0.018	0.203	0.074	0.396	0.653	0.004	5.086	0.933	18.300	< 0.05
	6	76.74	0.018	0.178	0.057	0.367	0.567	0.008	12.041	0.824	13.780	< 0.05
	12	80.03	0.017	0.202	0.053	0.377	0.668	0.018	2.515	0.840	15.520	ND
1B	0	31.10	0.020	0.200	0.107	0.495	0.799	0.008	8.319	0.437	13.770	< 0.05
	4	82.68	0.017	0.223	0.074	0.431	0.617	0.013	7.731	0.413	12.200	< 0.05
	9	64.51	0.022	0.199	0.086	0.541	0.794	0.015	4.466	0.497	10.020	ND
2A	0	21.32	0.010	0.196	0.050	0.251	0.459	0.005	4.653	0.943	19.810	< 0.05
	8	26.01	0.019	0.206	0.074	0.439	0.569	0.064	7.894	0.747	15.040	< 0.05
	16	94.44	0.017	0.174	0.052	0.429	0.713	0.007	2.955	0.682	11.750	ND
2B	0	103.23	0.018	0.200	0.112	0.390	0.731	0.025	14.506	0.389	14.420	< 0.05
	4	23.31	0.016	0.175	0.074	0.332	0.610	0.017	6.857	0.425	21.310	< 0.05
	8	88.05	0.017	0.213	0.041	0.455	0.580	0.003	42.000	0.445	15.170	ND
3A	0	23.07	0.022	0.216	0.170	0.708	0.814	0.049	45.715	0.787	26.400	< 0.05
	7	32.56	0.021	0.238	0.162	0.528	0.643	0.027	27.633	0.526	23.790	< 0.05
	15	76.51	0.016	0.238	0.113	0.520	0.660	0.005	2.857	0.416	20.940	ND

附錄一.台塑麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	懸浮固體 (mg/L)	鎘 (μg/L)	鉻(VI) (μg/L)	鈷 (μg/L)	銅 (μg/L)	鉛 (μg/L)	鋅 (μg/L)	鐵 (μg/L)	砷 (μg/L)	汞 (ng/L)	甲基汞 (ng/L)
3B	0	26.97	0.023	0.248	0.148	0.605	0.768	0.022	4.425	1.024	15.710	< 0.05
	4	80.97	0.020	0.246	0.102	0.431	0.746	0.009	3.355	0.839	16.420	< 0.05
	9	66.57	0.017	0.209	0.071	0.521	0.731	0.016	34.572	0.592	13.460	ND
2C	0	20.09	0.017	0.235	0.221	0.383	0.727	0.124	34.400	1.232	12.260	< 0.05
3C	0	30.72	0.021	0.278	0.023	0.526	0.634	0.033	2.320	0.693	11.940	< 0.05
1D	0	48.01	0.023	0.188	0.426	0.605	0.761	0.032	2.196	0.560	19.020	< 0.05
	4	56.22	0.022	0.198	0.382	0.600	0.834	0.010	3.339	0.732	15.360	< 0.05
	9	5.51	0.020	0.182	0.512	0.731	1.519	0.090	47.755	0.952	21.180	ND
2D	0	44.40	0.021	0.231	0.497	0.622	1.028	0.019	21.960	0.786	28.130	< 0.05
	6	38.72	0.024	0.257	0.424	0.685	0.907	0.070	41.674	0.514	24.830	< 0.05
	11	41.56	0.023	0.238	0.506	0.590	1.162	0.024	12.311	0.554	22.390	ND
1H	0	13.22	0.017	0.227	0.133	0.679	0.585	0.101	18.000	1.171	23.450	< 0.05
	8	10.83	0.021	0.183	0.162	0.555	0.660	0.027	20.776	0.712	18.710	< 0.05
	17	14.65	0.021	0.211	0.174	0.572	0.892	0.043	8.213	0.652	15.810	ND

附錄一.台塑麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	懸浮固體 (mg/L)	鎘 (μg/L)	鉻(VI) (μg/L)	鈷 (μg/L)	銅 (μg/L)	鉛 (μg/L)	鋅 (μg/L)	鐵 (μg/L)	砷 (μg/L)	汞 (ng/L)	甲基汞 (ng/L)
2H	0	9.98	0.017	0.203	0.201	0.599	0.854	0.013	2.017	0.899	37.960	< 0.05
	9	7.23	0.028	0.193	0.288	0.852	1.250	0.013	1.731	0.982	36.320	< 0.05
	18	7.71	0.019	0.217	0.219	0.617	0.857	0.016	2.906	0.895	19.290	ND
3H	0	12.65	0.020	0.218	0.191	0.558	0.592	0.042	6.857	0.630	30.870	< 0.05
	9	12.55	0.022	0.229	0.168	0.492	0.542	0.017	12.400	0.879	32.310	< 0.05
	18	12.80	0.021	0.202	0.176	0.577	0.957	0.029	20.286	0.699	23.930	ND
4H	0	9.69	0.022	0.169	0.214	0.611	0.763	0.029	20.490	0.738	27.760	< 0.05
	9	7.67	0.022	0.190	0.216	0.596	0.600	0.016	2.106	0.672	33.470	< 0.05
	19	8.35	0.022	0.174	0.259	0.586	0.660	0.012	9.462	0.564	32.910	ND
5H	0	7.16	0.021	0.181	0.223	0.666	0.952	0.015	2.898	0.831	44.470	< 0.05
	9	6.81	0.020	0.194	0.223	0.572	0.837	0.017	14.327	0.790	31.610	< 0.05
	18	8.13	0.020	0.174	0.191	0.600	0.700	0.033	39.306	0.712	16.690	ND
4A	0	36.53	0.020	0.222	0.200	0.527	1.036	0.017	20.204	0.542	18.450	< 0.05
	8	34.84	0.019	0.226	0.183	0.572	0.758	0.035	12.319	0.511	21.440	< 0.05
	17	49.83	0.019	0.220	0.118	0.512	0.688	0.033	13.119	0.726	22.070	ND

附錄一.台塑麥寮海域各測站各深度各項水文與水質資料

測站	深度 (m)	懸浮固體 (mg/L)	鎘 (μg/L)	鉻(VI) (μg/L)	鈷 (μg/L)	銅 (μg/L)	鉛 (μg/L)	鋅 (μg/L)	鐵 (μg/L)	砷 (μg/L)	汞 (ng/L)	甲基汞 (ng/L)
4B	0	32.25	0.022	0.249	0.122	0.615	0.945	0.036	10.457	0.640	14.580	< 0.05
	7	54.42	0.017	0.231	0.093	0.467	0.532	0.017	6.857	0.877	24.260	< 0.05
	14	49.77	0.019	0.217	0.088	0.491	0.637	0.016	15.878	0.463	16.690	ND
5A	0	6.04	0.020	0.205	0.170	0.729	0.955	0.052	43.878	1.122	35.900	< 0.05
	9	32.18	0.016	0.208	0.135	0.576	0.637	0.025	6.172	0.902	19.390	< 0.05
	19	28.93	0.018	0.214	0.144	0.862	0.761	0.016	7.445	1.336	25.220	ND
5B	0	46.07	0.019	0.227	0.108	0.478	0.539	0.019	8.743	0.619	26.540	< 0.05
	6	48.78	0.018	0.199	0.087	0.460	0.532	0.014	20.082	0.505	21.220	< 0.05
	13	50.02	0.016	0.208	0.097	0.745	0.580	0.013	2.270	0.871	16.560	ND
4M	0	19.95	0.033	0.287	0.177	0.458	0.632	0.021	6.440	1.165	13.390	< 0.05
1R	0	34.70	0.020	0.199	0.167	0.429	0.799	0.025	4.155	0.582	12.920	< 0.05
2R	0	31.64	0.020	0.197	0.145	0.456	0.766	0.022	7.372	0.374	11.890	< 0.05

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1A 0m	1A 6	1A 12	1B 0m	1B 4m	1B 9m	2A 0m	2A 8m	2A 16m
1,1,1,2-四氯乙烷	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯乙烯	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯乙烷	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯丙烯	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三甲基苯	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴-3-氯丙烷	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴乙烷	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯苯	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯乙烷	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯丙烷	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-三甲基苯	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯苯	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-二氯苯	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-二氯丙烷	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴苯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯溴甲烷	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
一溴二氯甲烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴仿	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴甲烷	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯化碳	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1A 0m	1A 6	1A 12	1B 0m	1B 4m	1B 9m	2A 0m	2A 8m	2A 16m
氯苯	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯仿	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯甲烷	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,2-二氯乙烯	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,3-二氯丙烯	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
一氯二溴甲烷	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
二溴甲烷	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯二氟甲烷	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
乙苯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 六氯丁二烯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丙基苯	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
鄰二甲苯	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
間二甲苯+鄰二甲苯	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯甲烷	0.29	18.8	23.2	ND	22.7	ND	ND	25.5	ND	ND
萘	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丁基苯	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丙基苯	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
對-異丙基甲苯	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丁基苯	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯乙烯	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
第二丁基苯	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯乙烯	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
甲苯	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,3-二氯丙烯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯乙烯	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯一氟甲烷	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烯	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		2B 0m	2B 4m	2B 8m	3A 0m	3A 7m	3A 15m	3B 0m	3B 4m	3B 9m
1,1,1,2-四氯乙烷	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯乙烯	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯乙烷	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯丙烯	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三甲基苯	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴-3-氯丙烷	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴乙烷	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯苯	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯乙烷	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯丙烷	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-三甲基苯	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯苯	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-二氯苯	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-二氯丙烷	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴苯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯溴甲烷	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
一溴二氯甲烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴仿	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴甲烷	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯化碳	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		2B 0m	2B 4m	2B 8m	3A 0m	3A 7m	3A 15m	3B 0m	3B 4m	3B 9m
氯苯	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯仿	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯甲烷	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,2-二氯乙烯	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,3-二氯丙烯	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
一氯二溴甲烷	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
二溴甲烷	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯二氟甲烷	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
乙苯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 六氯丁二烯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丙基苯	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
鄰二甲苯	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
間二甲苯+鄰二甲苯	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯甲烷	0.29	ND	ND	ND	ND	24.1	22.1	ND	20.4	25.2
萘	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丁基苯	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丙基苯	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
對-異丙基甲苯	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丁基苯	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯乙烯	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
第二丁基苯	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯乙烯	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
甲苯	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,3-二氯丙烯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯乙烯	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯一氟甲烷	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烯	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1D 0M	1D 4m	1D 9m	2D 0m	2D 6m	2D 11m	4A 0m	4A 8m	4A 17m
1,1,1,2-四氯乙烷	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯乙烯	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯乙烷	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯丙烯	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三甲基苯	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴-3-氯丙烷	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴乙烷	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯苯	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯乙烷	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯丙烷	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-三甲基苯	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯苯	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-二氯苯	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-二氯丙烷	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴苯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯溴甲烷	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
一溴二氯甲烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴仿	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴甲烷	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯化碳	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1D 0M	1D 4m	1D 9m	2D 0m	2D 6m	2D 11m	4A 0m	4A 8m	4A 17m
氯苯	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯仿	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯甲烷	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,2-二氯乙烯	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,3-二氯丙烯	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
一氯二溴甲烷	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
二溴甲烷	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯二氟甲烷	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
乙苯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 六氯丁二烯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丙基苯	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
鄰二甲苯	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
間二甲苯+鄰二甲苯	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯甲烷	0.29	ND	ND	ND	ND	24.1	ND	ND	ND	ND
萘	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丁基苯	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丙基苯	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
對-異丙基甲苯	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丁基苯	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯乙烯	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
第二丁基苯	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯乙烯	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
甲苯	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,3-二氯丙烯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯乙烯	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯一氟甲烷	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烯	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		4B 0m	4B 7m	4B 14m	5A 0m	5A 9m	5A 19m	5B 0m	5B 6m	5B 13m
1,1,1,2-四氯乙烷	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯乙烯	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯乙烷	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯丙烯	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三甲基苯	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴-3-氯丙烷	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴乙烷	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯苯	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯乙烷	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯丙烷	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-三甲基苯	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯苯	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-二氯苯	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-二氯丙烷	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴苯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯溴甲烷	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
一溴二氯甲烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴仿	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴甲烷	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯化碳	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		4B 0m	4B 7m	4B 14m	5A 0m	5A 9m	5A 19m	5B 0m	5B 6m	5B 13m
氯苯	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯仿	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯甲烷	0.53	ND	2.31	0.77	3.83	5.36	4.40	2.83	1.33	1.70
順-1,2-二氯乙烯	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,3-二氯丙烯	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
一氯二溴甲烷	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
二溴甲烷	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯二氟甲烷	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
乙苯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 六氯丁二烯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丙基苯	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
鄰二甲苯	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
間二甲苯+鄰二甲苯	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯甲烷	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
萘	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丁基苯	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丙基苯	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
對-異丙基甲苯	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丁基苯	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯乙烯	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
第二丁基苯	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯乙烯	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
甲苯	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,3-二氯丙烯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯乙烯	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯一氟甲烷	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烯	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1H 0m	1H 8m	1H 17m	2H 0m	2H 9m	2H 18m	3H 0m	3H 9m	3H 18m
1,1,1,2-四氯乙烷	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯乙烯	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯乙烷	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯丙烯	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三甲基苯	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴-3-氯丙烷	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴乙烷	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯苯	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯乙烷	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯丙烷	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-三甲基苯	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯苯	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-二氯苯	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-二氯丙烷	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴苯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯溴甲烷	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
一溴二氯甲烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴仿	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴甲烷	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯化碳	0.47	ND	ND	ND	ND	ND	5.5	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1H 0m	1H 8m	1H 17m	2H 0m	2H 9m	2H 18m	3H 0m	3H 9m	1H 0m
氯苯	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯仿	0.36	ND	ND	ND	ND	ND	5.5	ND	ND	ND
氯甲烷	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,2-二氯乙烯	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,3-二氯丙烯	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
一氯二溴甲烷	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
二溴甲烷	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯二氟甲烷	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
乙苯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 六氯丁二烯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丙基苯	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
鄰二甲苯	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
間二甲苯+鄰二甲苯	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯甲烷	0.29	ND	ND	ND	ND	ND	10.3	ND	ND	ND
萘	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丁基苯	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丙基苯	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
對-異丙基甲苯	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丁基苯	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯乙烯	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
第二丁基苯	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯乙烯	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
甲苯	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,3-二氯丙烯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯乙烯	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯一氟甲烷	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烯	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		4H 0m	4H 9m	4H 19m	5H 0m	5H 9m	5H 18m	4M 0m	1R 0m	2R 0m
1,1,1,2-四氯乙烷	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-三氯乙烷	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-四氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-三氯乙烷	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯乙烯	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯乙烷	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-二氯丙烯	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-三氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三氯苯	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-三甲基苯	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴-3-氯丙烷	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二溴乙烷	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯苯	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯乙烷	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-二氯丙烷	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-三甲基苯	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯苯	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-二氯丙烷	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-二氯苯	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-二氯丙烷	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-氯甲苯	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴苯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯溴甲烷	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
一溴二氯甲烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴仿	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
溴甲烷	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯化碳	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 VOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		4H 0m	4H 9m	4H 19m	5H 0m	5H 9m	5H 18m	4M 0m	1R 0m	2R 0m
氯苯	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烷	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯仿	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯甲烷	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,2-二氯乙烯	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
順-1,3-二氯丙烯	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
一氯二溴甲烷	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
二溴甲烷	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯二氟甲烷	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
乙苯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 六氯丁二烯	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丙基苯	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
鄰二甲苯	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
間二甲苯+鄰二甲苯	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
二氯甲烷	0.29	ND	ND	ND	ND	ND	ND	ND	25.5	23.9
萘	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丁基苯	1.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
正丙基苯	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
對-異丙基甲苯	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
異丁基苯	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
苯乙烯	0.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
第二丁基苯	0.98	ND	ND	ND	ND	ND	ND	ND	ND	ND
四氯乙烯	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
甲苯	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,2-二氯乙烯	0.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
反-1,3-二氯丙烯	0.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯乙烯	0.60	ND	ND	ND	ND	ND	ND	ND	ND	ND
三氯一氟甲烷	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND
氯乙烯	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1A 0 m	1A 6 m	1A 12 m	1B 0m	1B 4m	1B 9m	2A 0m	2A 8m	2A 16m
Pyridine	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1A 0 m	1A 6 m	1A 12 m	1B 0m	1B 4m	1B 9m	2A 0m	2A 8m	2A 16m
Fluorene	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	2.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline (a)	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate (a)	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate (a)	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane (c) (a)	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
s-Dichloroethyl ether	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene,1,3-dichloro	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine (a)	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1A 0 m	1A 6 m	1A 12 m	1B 0 m	1B 4 m	1B 9 m	2A 0 m	2A 8 m	2A 16 m
Acetophenone (c) (a)	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Toluidine (a)	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ntrosomorpholine (a)	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopiperidine (a)	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethylphosphorothioate	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorophenol (a)	1.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene (a)	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-hexchlorobutadiene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-butylamine (a)	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole (a)	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene (a)	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Naphthalenamine (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine (a)	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine (a)	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfotep	4.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trinitrobenzene (a)	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phorate	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin (a)	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl (a)	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachloronitrobenzene (a)	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disulfoton	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	2.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mehyl parathion	3.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	6.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-dimethylaminoazobenzene	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene (a)	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crysene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		2B 0 m	2B 4 m	2B 8 m	3A 0 m	3A 7 m	3A 15 m	3B 0 m	3B 4 m	3B 9 m
Pyridine	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		2B 0 m	2B 4 m	2B 8 m	3A 0 m	3A 7 m	3A 15 m	3B 0 m	3B 4 m	3B 9 m
Fluorene	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	2.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline (a)	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate (a)	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate (a)	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane (c) (a)	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
s-Dichloroethyl ether	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene,1,3-dichloro	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine (a)	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		2B 0 m	2B 4 m	2B 8 m	3A 0 m	3A 7 m	3A 15 m	3B 0 m	3B 4 m	3B 9 m
Acetophenone (c) (a)	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Toluidine (a)	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ntrosomorpholine (a)	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopiperidine (a)	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethylphosphorothioate	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorophenol (a)	1.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene (a)	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-hexchlorobutadiene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-butylamine (a)	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole (a)	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene (a)	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Naphthalenamine (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine (a)	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine (a)	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfotep	4.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trinitrobenzene (a)	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phorate	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin (a)	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl (a)	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachloronitrobenzene (a)	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disulfoton	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	2.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mehyl parathion	3.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	6.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-dimethylaminoazobenzene	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene (a)	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crysene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1D 0 m	1D 4 m	1D 9 m	2D 0m	2D 6 m	2D 11 m	1H 0 m	1H 8 m	1H 17 m
Pyridine	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1D 0 m	1D 4 m	1D 9 m	2D 0m	2D 6 m	2D 11 m	1H 0 m	1H 8 m	1H 17 m
Fluorene	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	2.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5.53	ND	ND	8.48	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline (a)	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate (a)	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate (a)	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane (c) (a)	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
s-Dichloroethyl ether	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene,1,3-dichloro	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine (a)	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1D 0 m	1D 4 m	1D 9 m	2D 0m	2D 6 m	2D 11 m	1H 0 m	1H 8 m	1H 17 m
Acetophenone (c) (a)	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Toluidine (a)	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ntrosomorpholine (a)	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopiperidine (a)	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethylphosphorothioate	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorophenol (a)	1.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene (a)	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-hexchlorobutadiene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-butylamine (a)	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole (a)	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene (a)	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Naphthalenamine (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine (a)	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine (a)	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfotep	4.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trinitrobenzene (a)	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phorate	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin (a)	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl (a)	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachloronitrobenzene (a)	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disulfoton	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	2.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mehyl parathion	3.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	6.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-dimethylaminoazobenzene	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene (a)	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crysene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		2H 0 m	2H 9 m	2H 18 m	3H 0 m	3H 9 m	3H 18 m	4H 0 m	4H 9 m	4H 19 m
Pyridine	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		2H 0 m	2H 9 m	2H 18 m	3H 0 m	3H 9 m	3H 18 m	4H 0 m	4H 9 m	4H 19 m
Fluorene	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	2.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5.53	ND	ND	ND	ND	ND	ND	5.68	ND	ND
Butyl benzyl phthalate	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline (a)	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate (a)	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate (a)	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane (c) (a)	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
s-Dichloroethyl ether	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene,1,3-dichloro	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine (a)	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		2H 0 m	2H 9 m	2H 18 m	3H 0 m	3H 9 m	3H 18 m	4H 0 m	4H 9 m	4H 19 m
Acetophenone (c) (a)	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Toluidine (a)	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ntrosomorpholine (a)	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopiperidine (a)	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethylphosphorothioate	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorophenol (a)	1.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene (a)	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-hexchlorobutadiene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-butylamine (a)	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole (a)	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene (a)	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Naphthalenamine (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine (a)	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine (a)	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfotep	4.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trinitrobenzene (a)	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phorate	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin (a)	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl (a)	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachloronitrobenzene (a)	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disulfoton	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	2.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mehyl parathion	3.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	6.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-dimethylaminoazobenzene	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene (a)	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crysene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		5H 0m	5H 9 m	5H 18 m	4A 0 m	4A 8 m	4A 17 m	4B 0 m	4B 7 m	4B 14 m
Pyridine	5.70	ND	ND	ND	ND	ND	ND	ND	\ND	ND
2-Chlorophenol	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		5H 0m	5H 9 m	5H 18 m	4A 0 m	4A 8 m	4A 17 m	4B 0 m	4B 7 m	4B 14 m
Fluorene	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	2.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline (a)	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate (a)	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate (a)	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane (c) (a)	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
s-Dichloroethyl ether	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene,1,3-dichloro	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine (a)	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		5H 0m	5H 9 m	5H 18 m	4A 0 m	4A 8 m	4A 17 m	4B 0 m	4B 7 m	4B 14 m
Acetophenone (c) (a)	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Toluidine (a)	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ntrosomorpholine (a)	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopiperidine (a)	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethylphosphorothioate	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorophenol (a)	1.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene (a)	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-hexchlorobutadiene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-butylamine (a)	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole (a)	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene (a)	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Naphthalenamine (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine (a)	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine (a)	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfotep	4.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trinitrobenzene (a)	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phorate	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin (a)	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl (a)	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachloronitrobenzene (a)	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disulfoton	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	2.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mehyl parathion	3.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	6.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-dimethylaminoazobenzene	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene (a)	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crysene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		5A 0 m	5A 9 m	5A 19 m	5B 0 m	5B 6 m	5B 13 m	2C 0 m	3C 0 m	4M 0 m
Pyridine	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	4.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	4.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1.43	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	1.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	1.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	0.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		5A 0 m	5A 9 m	5A 19 m	5B 0 m	5B 6 m	5B 13 m	2C 0 m	3C 0 m	4M 0 m
Fluorene	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	4.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1.95	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	2.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5.53	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	0.91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	4.66	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.78	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibutyl Phthalate	1.71	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Picoline (a)	2.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate (a)	0.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate (a)	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloroethane (c) (a)	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND
s-Dichloroethyl ether	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene,1,3-dichloro	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene	0.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopyrrolidine (a)	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		5A 0 m	5A 9 m	5A 19 m	5B 0 m	5B 6 m	5B 13 m	2C 0 m	3C 0 m	4M 0 m
Acetophenone (c) (a)	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Toluidine (a)	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Ntrosomorpholine (a)	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosopiperidine (a)	1.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Triethylphosphorothioate	1.79	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	0.30	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-dichlorophenol (a)	1.37	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene (a)	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-hexchlorobutadiene	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-nitrosodi-n-butylamine (a)	3.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole (a)	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dinitrobenzene (a)	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Naphthalenamine (a)	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND
5-Nitro-o-toluidine (a)	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diphenylamine (a)	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sulfotep	4.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-trinitrobenzene (a)	1.52	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phorate	2.69	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin (a)	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethoate	4.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Aminobiphenyl (a)	0.45	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachloronitrobenzene (a)	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND
Disulfoton	3.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dinoseb	2.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mehyl parathion	3.57	ND	ND	ND	ND	ND	ND	ND	ND	ND
Parathion	6.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-dimethylaminoazobenzene	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Acetylaminofluorene (a)	1.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crysene	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢驗項目	探測下限 (μg/L)	樣品 測站-深度								
		1R 0 m	2R 6 m							
Pyridine	5.70	ND	ND							
2-Chlorophenol	1.00	ND	ND							
2-Methylphenol	1.09	ND	ND							
4-Methylphenol	0.95	ND	ND							
Aniline	1.05	ND	ND							
Benzyl alcohol	1.27	ND	ND							
Bis(2-chloroisopropyl)ether	0.79	ND	ND							
Hexachloroethane	0.69	ND	ND							
N-Nitrosodi-n-propylamine	0.34	ND	ND							
N-Nitrosodimethylamine	0.75	ND	ND							
Phenol	0.92	ND	ND							
2,4-Dichlorophenol	0.96	ND	ND							
2,4-Dimethylphenol	1.54	ND	ND							
2-Methylnaphthalene	0.44	ND	ND							
2-Nitrophenol	4.31	ND	ND							
4-Chloro-3-methylphenol	1.59	ND	ND							
4-Chloroaniline	0.52	ND	ND							
Bis(2-chloroethoxy)methane	0.36	ND	ND							
Isophorone	0.89	ND	ND							
Nitrobenzene	0.91	ND	ND							
2-Chloronaphthalene	0.46	ND	ND							
2,4,5-Trichlorophenol	1.57	ND	ND							
2,4,6-Trichlorophenol	2.03	ND	ND							
2,4-Dinitrophenol	4.25	ND	ND							
2,4-Dinitrotoluene	1.43	ND	ND							
2,6-Dinitrotoluene	1.26	ND	ND							
2-Nitroaniline	1.85	ND	ND							
3-Nitroaniline	2.4	ND	ND							
4-Nitroaniline	1.09	ND	ND							
4-Chlorophenyl phenyl ether	0.42	ND	ND							
Acenaphthene	0.31	ND	ND							
Acenaphthylene	0.51	ND	ND							
Dibenzofuran	0.39	ND	ND							
Diethyl phthalate	0.58	ND	ND							
Dimethyl phthalate	0.71	ND	ND							

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1R 0 m	2R 6 m							
Fluorene	0.37	ND	ND							
Azobenzene	0.46	ND	ND							
Carbazole	0.55	ND	ND							
4,6-Dinitro-2-methylphenol	4.02	ND	ND							
4-Bromophenyl phenyl ether	0.46	ND	ND							
Anthracene	0.63	ND	ND							
Fluoranthene	0.63	ND	ND							
Hexachlorobenzene	0.55	ND	ND							
N-Nitrosodiphenylamine	0.88	ND	ND							
Pentachlorophenol	1.95	ND	ND							
Phenanthrene	0.15	ND	ND							
3,3'-Dichlorobenzidine	2.15	ND	ND							
Benz(a)anthracene	1.08	ND	ND							
Benzidine	2.46	ND	ND							
Bis(2-ethylhexyl) phthalate	5.53	ND	ND							
Butyl benzyl phthalate	2.20	ND	ND							
Pyrene	0.74	ND	ND							
Benzo(a)pyrene	1.02	ND	ND							
Benzo(b)fluoranthene	0.9	ND	ND							
Benzo(g,h,i)perylene	0.91	ND	ND							
Benzo(k)fluoranthene	0.64	ND	ND							
Dibenz(a,h)anthracene	0.89	ND	ND							
Di-n-octyl phthalate	4.66	ND	ND							
Indeno(1,2,3-cd)pyrene	0.78	ND	ND							
Dibutyl Phthalate	1.71	ND	ND							
2-Picoline (a)	2.01	ND	ND							
Ethanamine, n-methyl-n-nitroso-	6.21	ND	ND							
Methyl methanesulfonate (a)	0.70	ND	ND							
Ethyl methanesulfonate (a)	0.34	ND	ND							
Pentachloroethane (c) (a)	0.51	ND	ND							
s-Dichloroethyl ether	0.31	ND	ND							
Benzene,1,3-dichloro	0.36	ND	ND							
1,4-dichlorobenzene	0.24	ND	ND							
1,2-dichlorobenzene	0.48	ND	ND							
N-nitrosopyrrolidine (a)	2.60	ND	ND							

ND: <探測下限

附錄一. 麥寮海域各測站海水中 sVOC 濃度(μg/L)

檢 驗 項 目	探測下限 (μg/L)	樣品 測站-深度								
		1R 0 m	2R 6 m							
Acetophenone (c) (a)	0.44	ND	ND							
o-Toluidine (a)	0.52	ND	ND							
N-Ntrosomorpholine (a)	1.07	ND	ND							
N-nitrosopiperidine (a)	1.34	ND	ND							
Triethylphosphorothioate	1.79	ND	ND							
1,2,4-trichlorobenzene	0.30	ND	ND							
Naphthalene	0.31	ND	ND							
2,6-dichlorophenol (a)	1.37	ND	ND							
Hexachloropropene (a)	1.35	ND	ND							
1,3-hexchlorobutadiene	0.45	ND	ND							
N-nitrosodi-n-butylamine (a)	3.03	ND	ND							
Isosafrol(1,3-benzodioxole-) (a)	0.81	ND	ND							
1,2,4,5-tetrachlorobenzene (a)	0.57	ND	ND							
Safrole (a)	0.31	ND	ND							
1,3-Dinitrobenzene (a)	2.07	ND	ND							
Pentachlorobenzene (a)	0.42	ND	ND							
2-Naphthalenamine (a)	0.42	ND	ND							
2,3,4,6--tetrachlorophenol (a)	1.58	ND	ND							
5-Nitro-o-toluidine (a)	1.17	ND	ND							
Diphenylamine (a)	0.38	ND	ND							
Sulfotep	4.05	ND	ND							
1,3,5-trinitrobenzene (a)	1.52	ND	ND							
Phorate	2.69	ND	ND							
Phenacetin (a)	2.11	ND	ND							
Dimethoate	4.10	ND	ND							
4-Aminobiphenyl (a)	0.45	ND	ND							
pentachloronitrobenzene (a)	0.92	ND	ND							
Disulfoton	3.27	ND	ND							
Dinoseb	2.34	ND	ND							
Mehyl parathion	3.57	ND	ND							
Parathion	6.08	ND	ND							
p-dimethylaminoazobenzene	1.70	ND	ND							
2-Acetylaminofluorene (a)	1.65	ND	ND							
Crysene	0.27	ND	ND							
7,12-Dimethylbenz(a)anthracene (a)	2.08	ND	ND							

ND: <探測下限

[illegible]	0.25	ИО	ИО
[illegible]	0.77	ИО	ИО
[illegible]	1.92	ИО	ИО
[illegible]	0.50	ИО	ИО
[illegible]	8.09	ИО	ИО
[illegible]	1.41	ИО	ИО
[illegible]	3.06	ИО	ИО
[illegible]	1.75	ИО	ИО
[illegible]	2.95	ИО	ИО
[illegible]	0.52	ИО	ИО
[illegible]	3.18	ИО	ИО
[illegible]	5.10	ИО	ИО
[illegible]	3.44	ИО	ИО
[illegible]	1.72	ИО	ИО
[illegible]	1.95	ИО	ИО
[illegible]	0.36	ИО	ИО
[illegible]	1.13	ИО	ИО
[illegible]	1.58	ИО	ИО
[illegible]	2.15	ИО	ИО
[illegible]	1.42	ИО	ИО
[illegible]	3.03	ИО	ИО
[illegible]	0.21	ИО	ИО
[illegible]	0.35	ИО	ИО
[illegible]	0.21	ИО	ИО
[illegible]	0.07	ИО	ИО
[illegible]	0.02	ИО	ИО
[illegible]	1.69	ИО	ИО
[illegible]	1.72	ИО	ИО
[illegible]	0.31	ИО	ИО
[illegible]	0.29	ИО	ИО
[illegible]	1.30	ИО	ИО
[illegible]	1.35	ИО	ИО
[illegible]	1.33	ИО	ИО
[illegible]	0.25	ИО	ИО
[illegible]	0.91	ИО	ИО
	(мг/л)	мг/л	%
	ПДК	ЛП	ЖС
[illegible]	[illegible]		

Таблица 2 – Результаты определения [illegible] в [illegible] – [illegible]