

表 3.4-1 106 年度地下水水質監測結果

分析項目	單位	MDL	PTPZ-SW1	PTPZ-SW2	PTPZ-SW3	PTPZ-SW4	PTPZ-SW5	PTPZ-SW6	PTPZ-SW7	PTPZ-SW8-1	PTPZ-SW9	PTPZ-SW10-1	MW-3	MW-4	MW-11	監測標準	管制標準
採樣日期			106.03.10														
一般項目																	
pH	—	—	7.3	6.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.0	7.2	7.0	—	—
導電度	μmho/cm25℃	—	715	1060	937	1010	849	925	790	865	978	1020	755	885	1020	—	—
總溶解固體物	mg/L	4.0	455	654	546	570	505	511	453	539	567	609	437	512	592	1250	—
生化需氧量	mg/L	1.0	ND	ND	ND	1.6	1.5	4.3	1.8	1.3	1.3	3.1	ND	5.0	ND	—	—
氟鹽	mg/L	0.012	<0.1	0.36	0.21	ND	0.11	0.15	0.12	<0.1	<0.1	0.13	0.13	0.20	<0.1	4.0	8.0
氯鹽	mg/L	0.019	61.3	64.8	55.8	54.2	41.3	110	46.5	52.7	79.8	54.2	22.7	53.9	67.2	625	—
硫酸鹽	mg/L	0.056	78.6	130	72.1	90.5	104	94.9	60.7	75.6	95.6	130	75.0	73.6	115	625	—
氨氮	mg/L	0.0056	<0.02	0.33	3.31	0.14	4.40	2.17	0.03	0.13	0.80	0.11	ND	0.81	2.91	0.25	—
硝酸鹽氮	mg/L	0.00096	0.02	0.03	0.03	0.04	0.11	0.41	0.01	0.04	0.03	0.02	2.37	0.45	0.02	—	100
亞硝酸鹽氮	mg/L	0.00015	<0.01	ND	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	5	10
總有機碳	mg/L	0.0537	1.1	1.5	1.9	1.5	1.6	2.3	1.3	1.4	1.4	1.5	1.7	2.1	1.7	10	—
總硬度	mg/L	1.0	282	460	366	403	371	340	320	408	403	439	354	392	394	750	—
油脂	mg/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—
氰化物	mg/L	0.00032	ND	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.25	0.50
MTBE	mg/L	0.00014	<0.0005	ND	<0.0005	ND	ND	ND	ND	ND	ND	ND	ND	<0.0005	ND	0.5	1.0
TPH	mg/L	0.015	<0.033	<0.033	<0.033	<0.033	<0.033	0.040	<0.033	0.034	0.038	0.041	<0.033	0.039	0.035	5	10
總酚	mg/L	0.0056	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	—
重金屬																	
鉛	mg/L	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	0.10
鎘	mg/L	0.00057	ND	ND	ND	ND	ND	ND	ND	ND	<0.002	ND	ND	ND	<0.002	0.025	0.05
鉻	mg/L	0.00068	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.01	ND	ND	ND	0.25	0.5
銅	mg/L	0.00079	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	10
鋅	mg/L	0.0008	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	25	50
鎳	mg/L	0.0029	ND	ND	ND	ND	<0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.5	1.0
鐵	mg/L	0.0011	<0.02	<0.02	0.097	0.440	<0.02	0.023	<0.02	0.282	0.315	0.049	ND	0.376	0.637	1.5	—
錳	mg/L	0.00051	0.396	0.391	0.504	0.787	0.820	0.508	0.446	0.584	0.534	0.396	0.502	0.360	0.718	0.25	—
砷	mg/L	0.00011	<0.002	0.0033	0.0072	0.0052	<0.002	<0.002	<0.002	0.0064	0.0038	<0.002	ND	<0.002	0.0068	0.25	0.50
汞	mg/L	0.000077	<0.0004	ND	ND	ND	ND	<0.0004	ND	ND	<0.0004	0.0011	ND	ND	ND	0.01	0.020
單環芳香族碳氫化合物																	
苯	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
甲苯	mg/L	0.00015	<0.0005	<0.0005	ND	ND	<0.0005	<0.0005	<0.0005	<0.0005	ND	<0.0005	ND	ND	ND	—	10
乙苯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	7.0
二甲苯 ^{註4}	mg/L	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	100

表 3.4-1 106 年度地下水水質監測結果(續)

分析項目	單位	MDL	PTPZ-SW1	PTPZ-SW2	PTPZ-SW3	PTPZ-SW4	PTPZ-SW5	PTPZ-SW6	PTPZ-SW7	PTPZ-SW8-1	PTPZ-SW9	PTPZ-SW10-1	MW-3	MW-4	MW-11	監測標準	管制標準
採樣日期			106.03.10														
多環芳香族碳氫化合物																	
苯	mg/L	0.00027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.40
氯化碳氫化合物																	
氯苯	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	1.0
1,2-二氯苯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	6.0
1,4-二氯苯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.75
氯甲烷	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.30
二氯甲烷	mg/L	0.00021	<0.0005	ND	<0.0005	<0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
氯仿	mg/L	0.00016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	1.0
四氯化碳	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
1,1-二氯乙烷	mg/L	0.00012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	8.5
1,2-二氯乙烷	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
1,1,1-三氯乙烷	mg/L	0.00012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	2.0
1,1,2-三氯乙烷	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
氯乙烯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.020
1,1-二氯乙烯	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.070
順-1,2-二氯乙烯	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.70
反-1,2-二氯乙烯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	1.0
三氯乙烯	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
四氯乙烯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
氯化碳氫化合物																	
2,4,5-三氯酚	mg/L	0.00068	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	3.7
2,4,6-三氯酚	mg/L	0.00067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.1
五氯酚	mg/L	0.00074	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.08
3,3-二氯聯苯胺	mg/L	0.00170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.1

註：1.檢測數據位數之表示，依行政院環保署公告 99 年 03 月 05 日環檢一字第 0990000919 號「檢測報告位數表示規定」。
2.地下水污染監測標準參考來源為行政院環保署於 102 年 12 月 18 日(102)環署土字第 1020109443 號令訂定發布之「地下水污染監測標準」中第二類之標準。
3.地下水污染管制標準參考來源為行政院環保署於 102 年 12 月 18 日(102)環署土字第 1020109478 號令修正發布之「地下水污染管制標準」中第二類之標準。
4.間、對-二甲苯與鄰-二甲苯均為二甲苯之異構物。
5.以 ND 表示者，表該樣品測值小於方法偵測極限(MDL)；以<數字表示者，表該樣品測值大於方法偵測極限但小於定量極限(QDL)。
6.粗體表示達地下水污染監測標準，陰影粗體表示達地下水污染管制標準。

表 3.4-1 106 年度地下水水質監測結果(續)

分析項目	單位	MDL	PTPZ-SW1	PTPZ-SW2	PTPZ-SW3	PTPZ-SW4	PTPZ-SW5	PTPZ-SW6	PTPZ-SW7	PTPZ-SW8-1	PTPZ-SW9	PTPZ-SW10-1	MW-3	MW-4	MW-11	監測標準	管制標準
採樣日期			106.09.13,15,18~19														
一般項目																	
pH	—	—	7.4	7.1	7.1	7.1	6.6	7.0	6.9	7.1	7.0	6.9	7.0	7.1	7.0	—	—
導電度	μmho/cm25℃	—	189	790	954	950	847	814	836	901	823	959	764	941	1012	—	—
總溶解固體物	mg/L	4.0	108	476	598	598	514	452	505	559	510	588	456	582	624	1250	—
生化需氧量	mg/L	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—
氟鹽	mg/L	0.012	1.67	0.25	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.10	0.10	0.15	<0.1	1.67	4.0	8.0
氯鹽	mg/L	0.019	4.55	71.8	34.5	47.9	34.9	37.8	46.1	59.8	57.6	50.5	19.7	52.5	81.1	625	—
硫酸鹽	mg/L	0.056	8.47	46.7	117	94.6	92.9	41.8	71.6	81.5	69.9	112	72.3	79.9	106	625	—
氨氮	mg/L	0.0056	0.08	8.62	3.57	0.06	0.96	3.36	<0.02	0.18	3.06	0.24	ND	0.80	2.98	0.25	—
硝酸鹽氮	mg/L	0.00096	0.53	0.03	0.08	0.02	0.91	0.38	0.09	0.04	0.06	0.12	3.08	0.12	0.09	—	100
亞硝酸鹽氮	mg/L	0.00015	0.01	<0.01	<0.01	<0.01	<0.01	ND	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	<0.01	5	10
總有機碳	mg/L	0.0537	1.5	3.3	3.8	3.6	2.4	2.9	3.1	2.7	2.7	3.1	2.6	3.4	3.6	10	—
總硬度	mg/L	1.0	79.8	232	437	389	365	313	348	412	317	412	354	404	374	750	—
油脂	mg/L	2.0	3.6	ND	ND	ND	ND	ND	2.7	2.7	ND	ND	ND	ND	ND	—	—
氟化物	mg/L	0.00032	<0.004	ND	<0.004	<0.004	ND	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.25	0.50
MTBE	mg/L	0.00014	ND	ND	<0.0005	ND	ND	ND	ND	ND	ND	ND	ND	<0.0005	ND	0.5	1.0
TPH	mg/L	0.015	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.063	0.05	<0.033	<0.033	<0.033	<0.033	<0.033	5	10
總酚	mg/L	0.0056	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	—
重金屬																	
鉛	mg/L	0.003	ND	ND	ND	ND	ND	ND	ND	<0.02	<0.02	<0.02	ND	ND	ND	0.05	0.10
鎘	mg/L	0.00057	<0.002	<0.002	ND	<0.002	ND	ND	ND	<0.002	<0.002	ND	ND	<0.002	<0.002	0.025	0.05
鉻	mg/L	0.00068	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	0.5
銅	mg/L	0.00079	ND	<0.01	ND	ND	<0.01	<0.01	ND	ND	ND	ND	ND	ND	ND	5	10
鋅	mg/L	0.0008	<0.02	<0.02	<0.02	<0.02	0.033	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	25	50
鎳	mg/L	0.0029	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5	1.0
鐵	mg/L	0.0011	<0.02	0.054	1.24	0.598	ND	0.018	0.022	0.102	<0.02	0.032	ND	0.2	0.21	1.5	—
錳	mg/L	0.00051	0.026	0.212	0.678	0.702	0.638	0.860	0.576	0.569	0.375	0.354	0.551	0.667	0.769	0.25	—
砷	mg/L	0.00011	<0.001	0.008	0.0076	0.0038	<0.002	<0.002	<0.001	0.0085	<0.001	ND	ND	0.002	0.0058	0.25	0.50
汞	mg/L	0.000077	ND	ND	ND	ND	ND	<0.0004	ND	ND	<0.0004	ND	ND	ND	ND	0.01	0.020
單環芳香族碳氫化合物																	
苯	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
甲苯	mg/L	0.00015	<0.0005	<0.0005	ND	ND	<0.0005	<0.0005	<0.0005	<0.0005	ND	ND	<0.0005	<0.0005	0.00069	—	10
乙苯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	7.0
二甲苯 ^{註4}	mg/L	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	100

表 3.4-1 106 年度地下水水質監測結果(續)

分析項目	單位	MDL	PTPZ-SW1	PTPZ-SW2	PTPZ-SW3	PTPZ-SW4	PTPZ-SW5	PTPZ-SW6	PTPZ-SW7	PTPZ-SW8-1	PTPZ-SW9	PTPZ-SW10-1	MW-3	MW-4	MW-11	監測標準	管制標準
採樣日期			106.09.13,15,18~19														
多環芳香族碳氫化合物																	
茶	mg/L	0.00027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.40
氯化碳氫化合物																	
氯苯	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	1.0
1,2-二氯苯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	6.0
1,4-二氯苯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.75
氯甲烷	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.30
二氯甲烷	mg/L	0.00021	<0.0005	ND	<0.0005	<0.0005	ND	ND	<0.0005	<0.0005	ND	ND	ND	<0.0005	<0.0005	—	0.050
氯仿	mg/L	0.00016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	1.0
四氯化碳	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
1,1-二氯乙烷	mg/L	0.00012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	8.5
1,2-二氯乙烷	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
1,1,1-三氯乙烷	mg/L	0.00012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	2.0
1,1,2-三氯乙烷	mg/L	0.00018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
氯乙烯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.020
1,1-二氯乙烯	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.070
順-1,2-二氯乙烯	mg/L	0.00014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.70
反-1,2-二氯乙烯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	1.0
三氯乙烯	mg/L	0.00015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
四氯乙烯	mg/L	0.00013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.050
氯化碳氫化合物																	
2,4,5-三氯酚	mg/L	0.00068	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	3.7
2,4,6-三氯酚	mg/L	0.00067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.1
五氯酚	mg/L	0.00074	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.08
3,3-二氯聯苯胺	mg/L	0.00170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.1

註：1.檢測數據位數之表示，依行政院環保署公告 99 年 03 月 05 日環檢一字第 0990000919 號「檢測報告位數表示規定」。

2.地下水污染監測標準參考來源為行政院環保署於 102 年 12 月 18 日(102)環署土字第 1020109443 號令訂定發布之「地下水污染監測標準」中第二類之標準。

3.地下水污染管制標準參考來源為行政院環保署於 102 年 12 月 18 日(102)環署土字第 1020109478 號令修正發布之「地下水污染管制標準」中第二類之標準。

4.間,對-二甲苯與鄰-二甲苯均為二甲苯之異構物。

5.以 ND 表示者，表該樣品測值小於方法偵測極限(MDL)；以<數字表示者，表該樣品測值大於方法偵測極限但小於定量極限(QDL)。

6.粗體表示達地下水污染監測標準，陰影粗體表示達地下水污染管制標準。

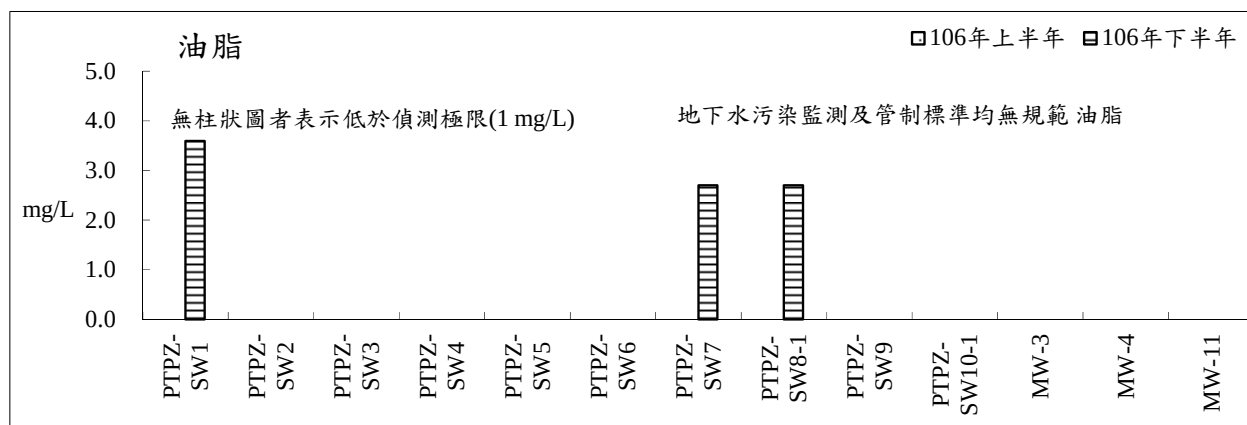
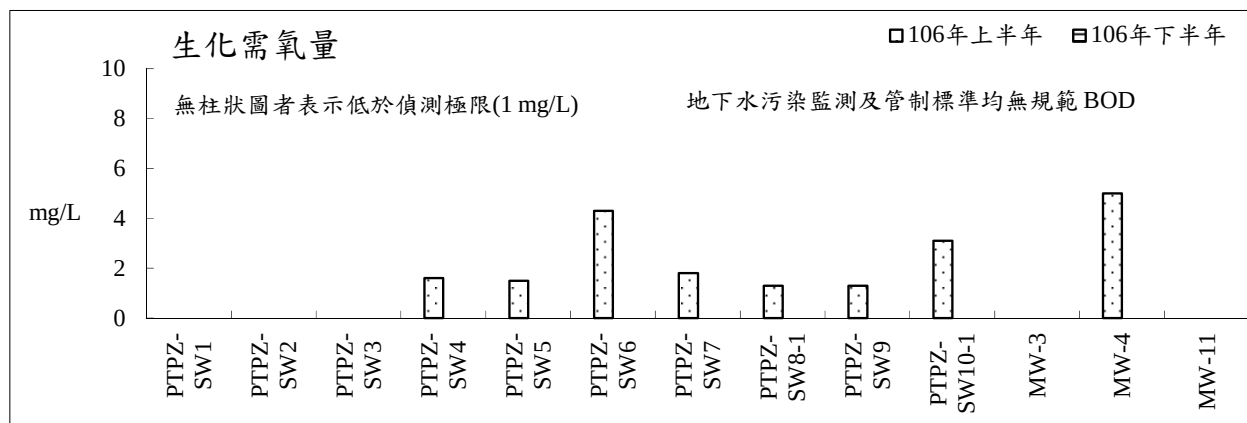
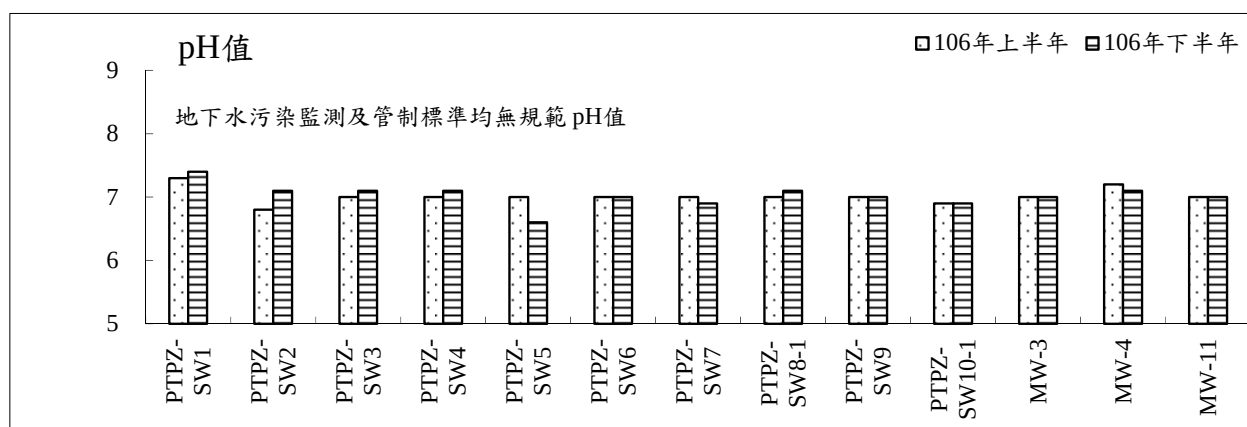
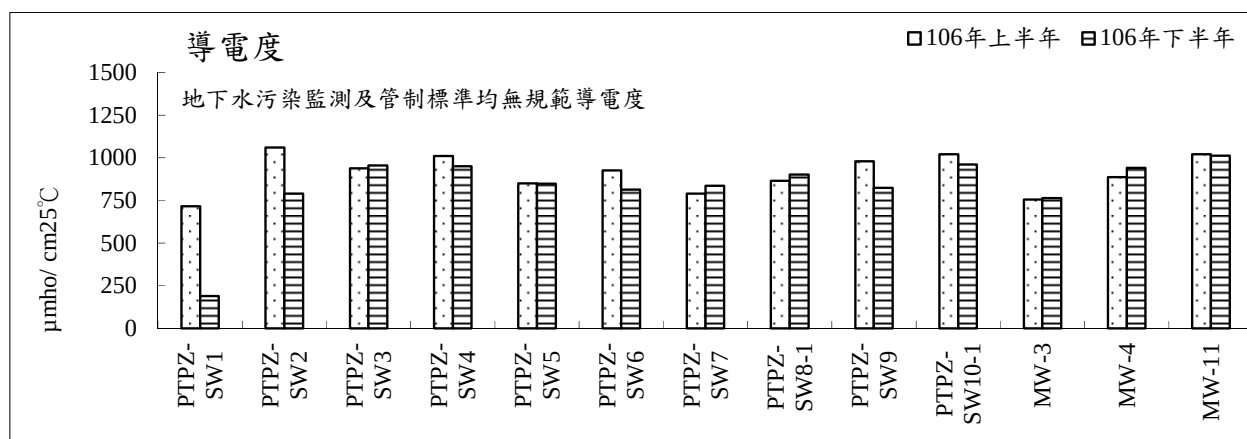


圖 3.4-1 106 年度地下水水質變化圖

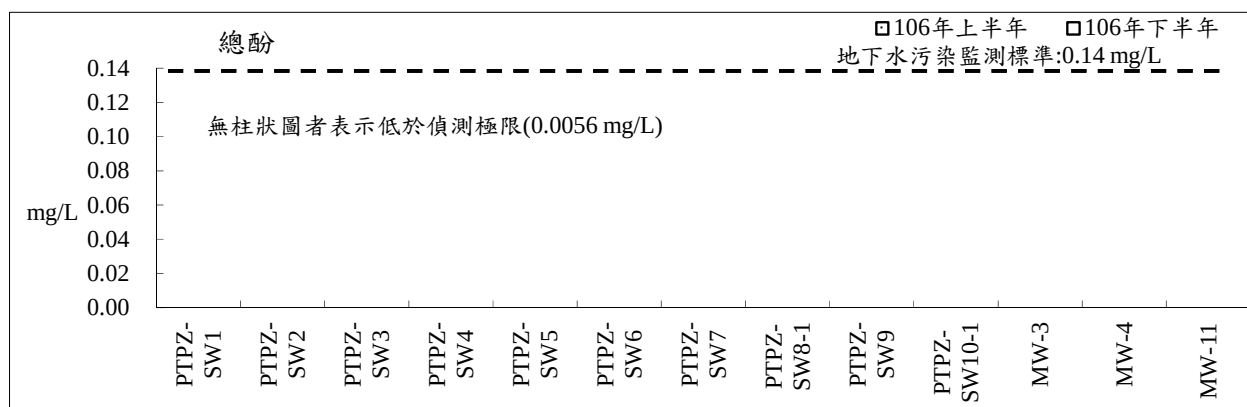
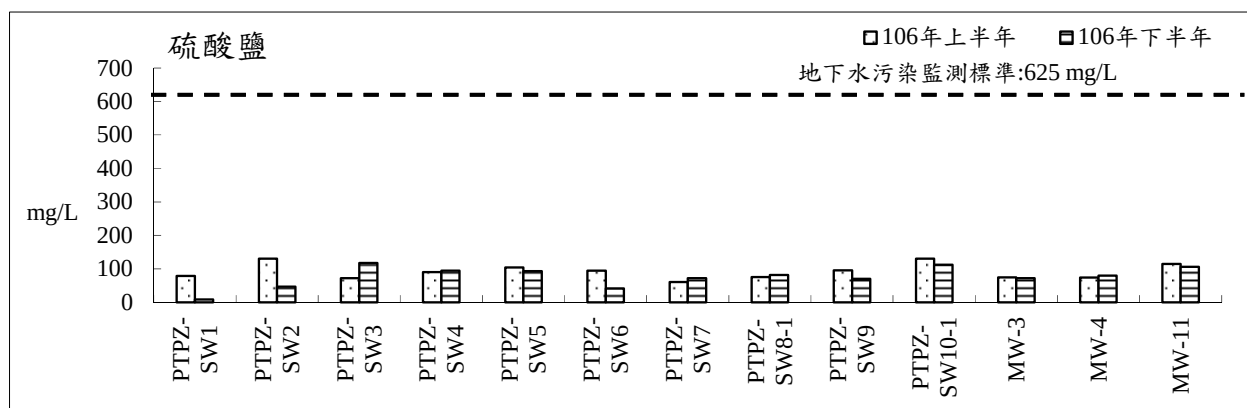
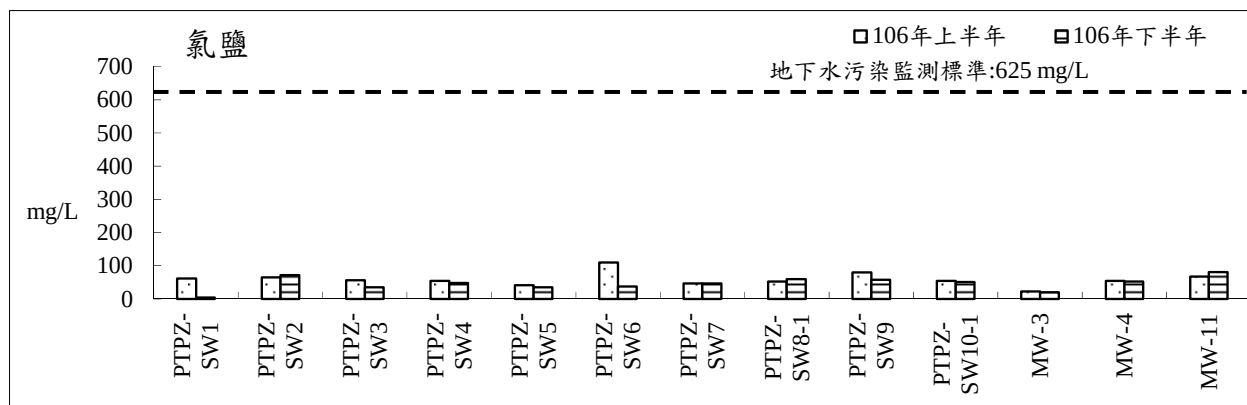
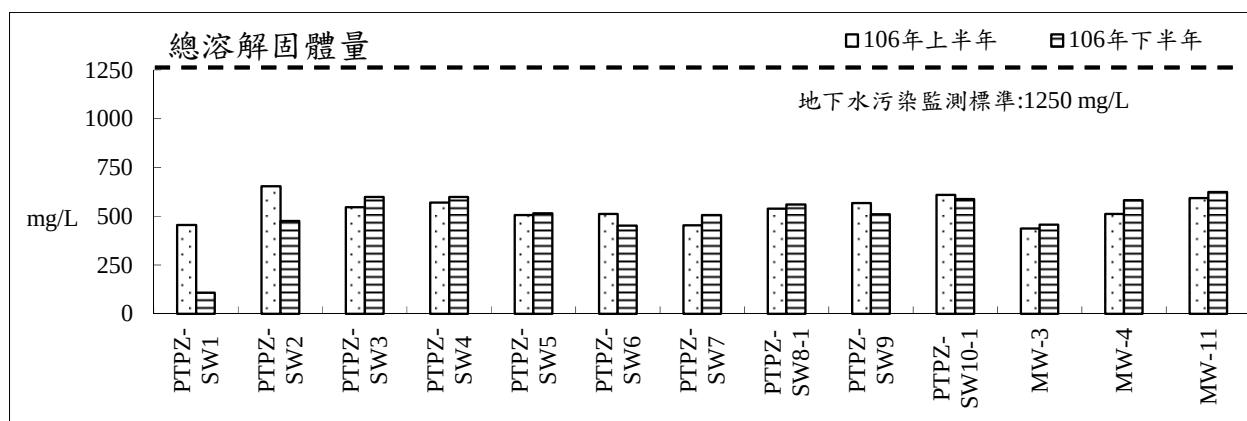


圖 3.4-1 106 年度地下水水質變化圖(續 1)

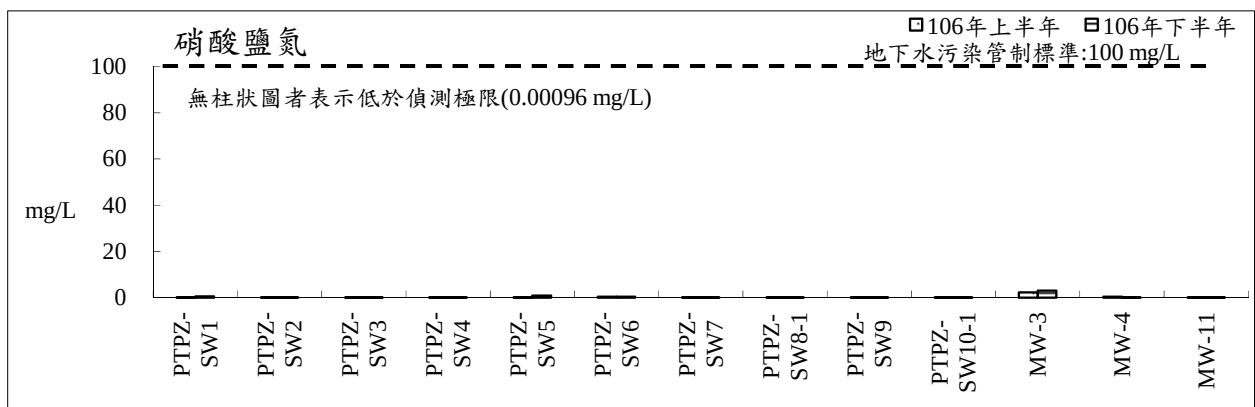
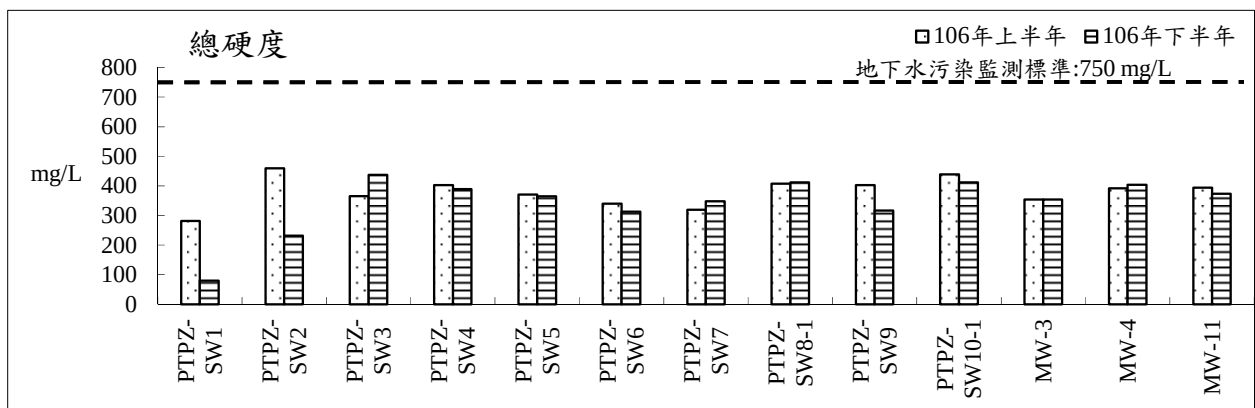
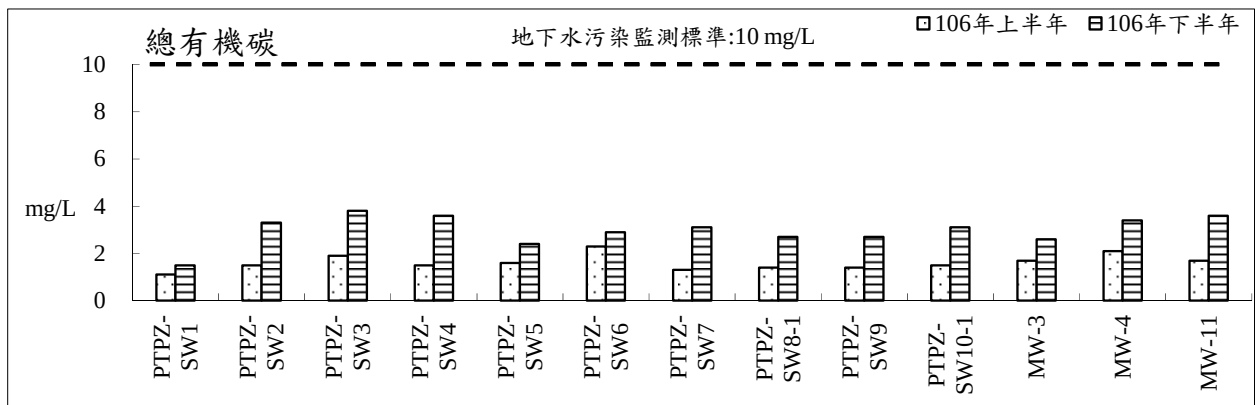
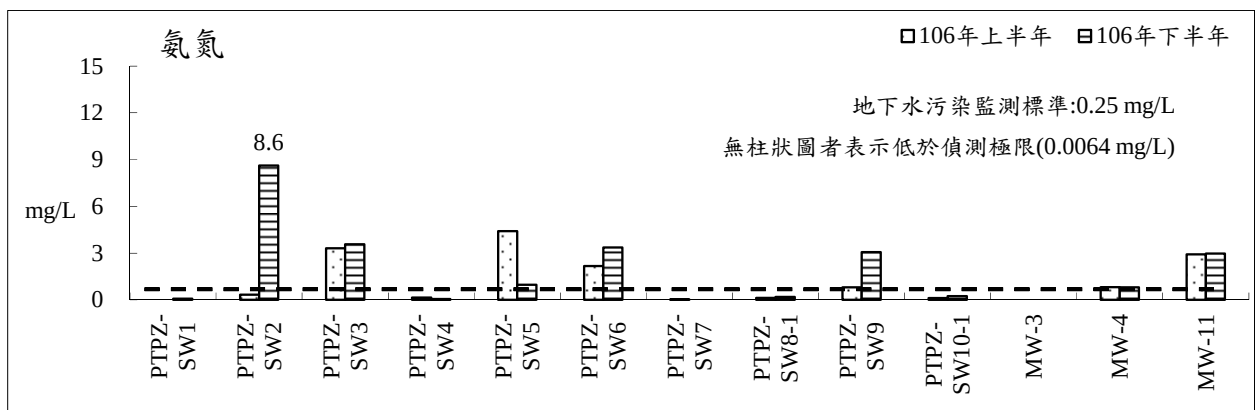


圖 3.4-1 106 年度地下水水質變化圖(續 2)

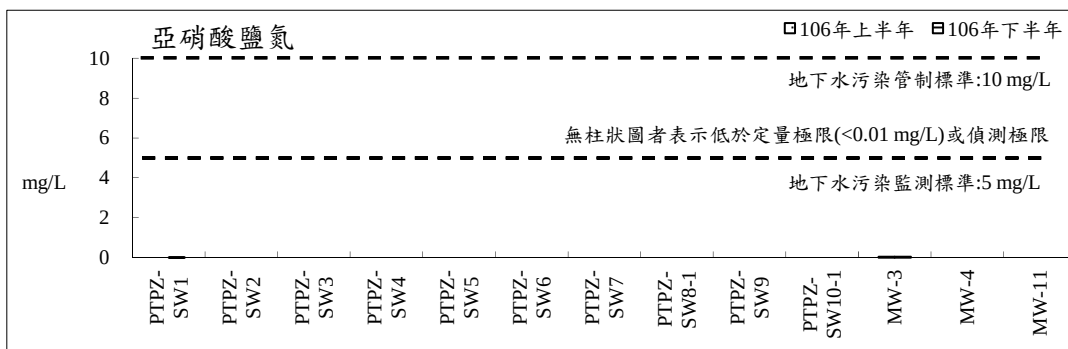
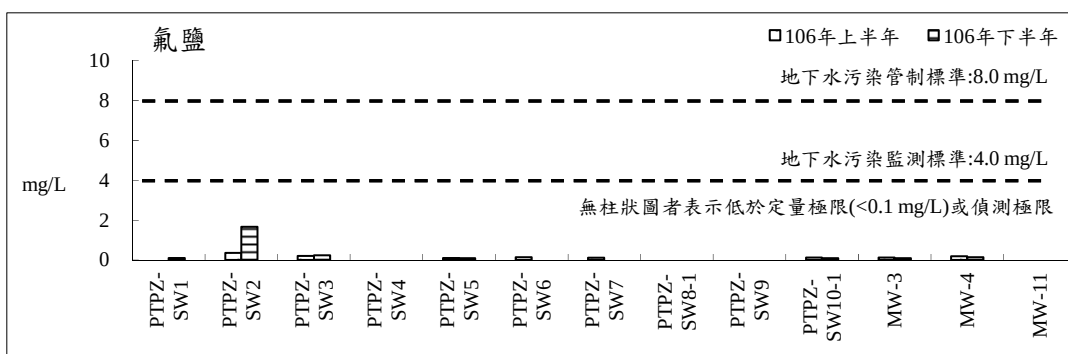
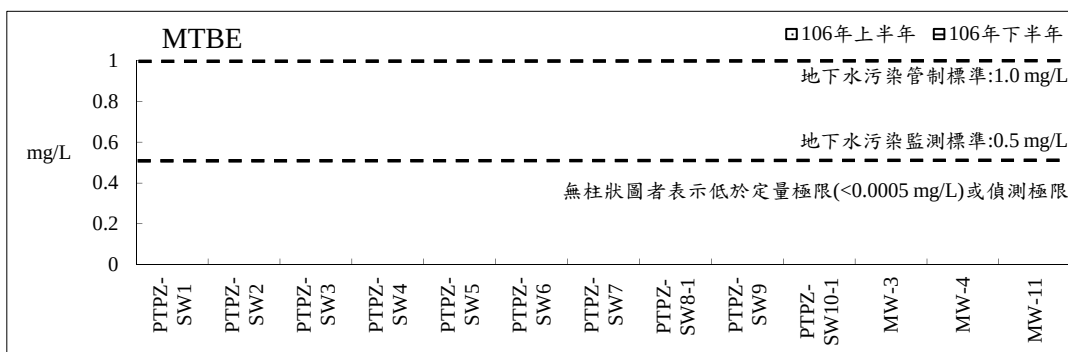
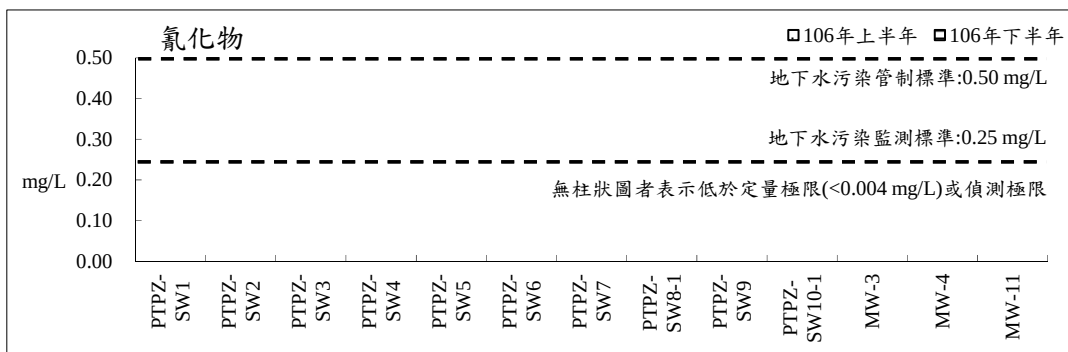
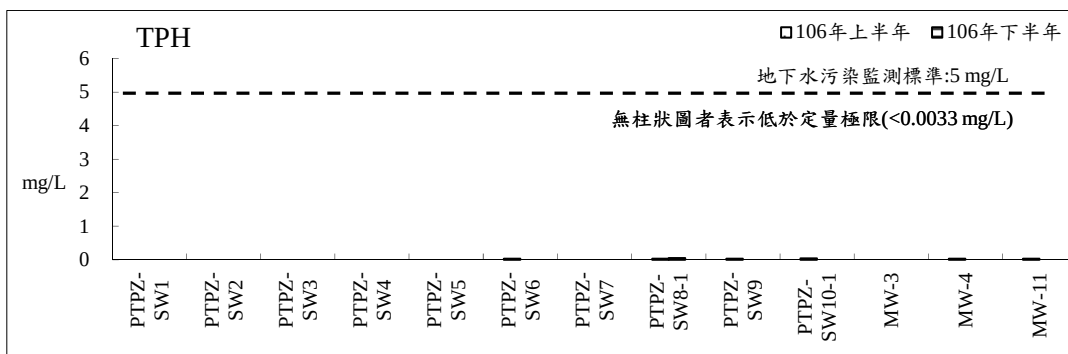


圖 3.4-1 106 年度地下水水質變化圖(續 3)

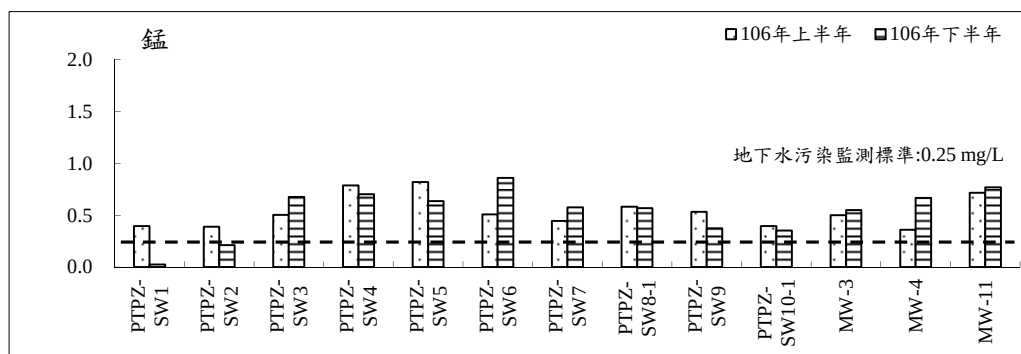
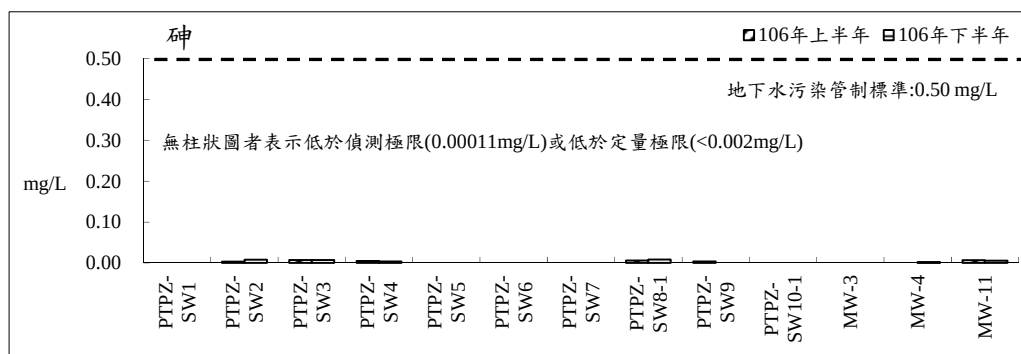
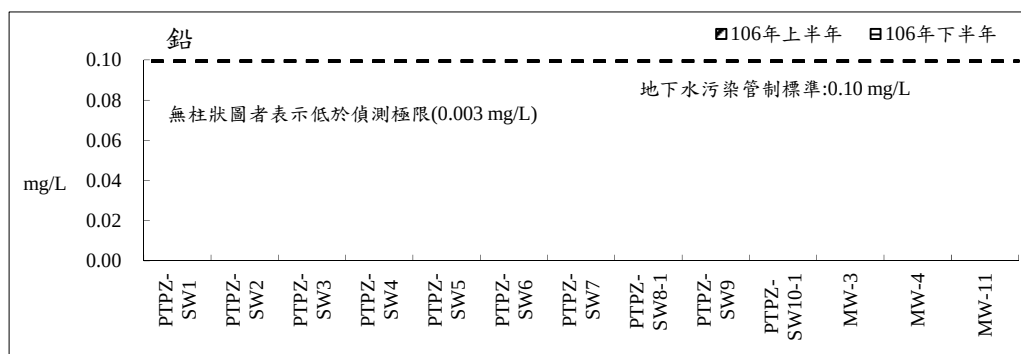
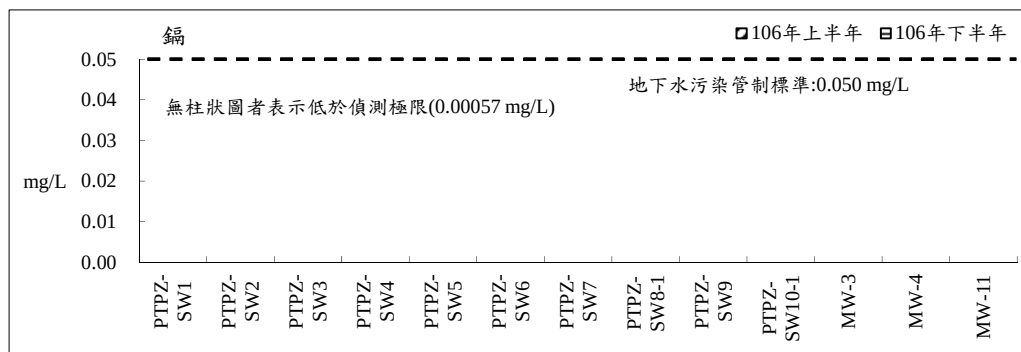
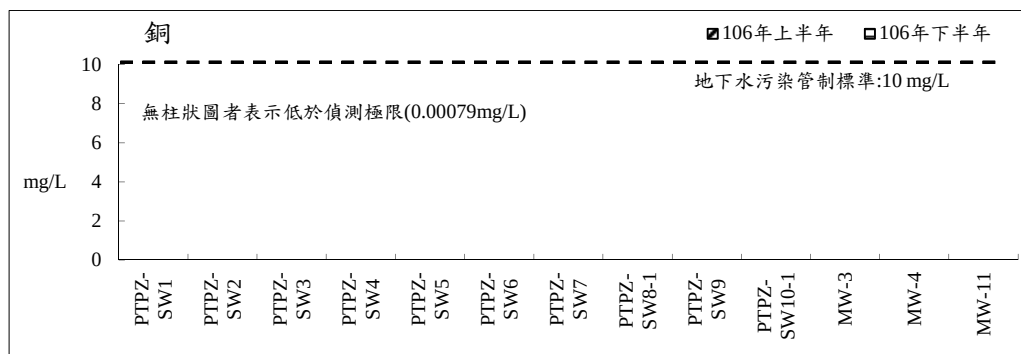


圖 3.4-1 106 年度地下水水質變化圖(續 4)

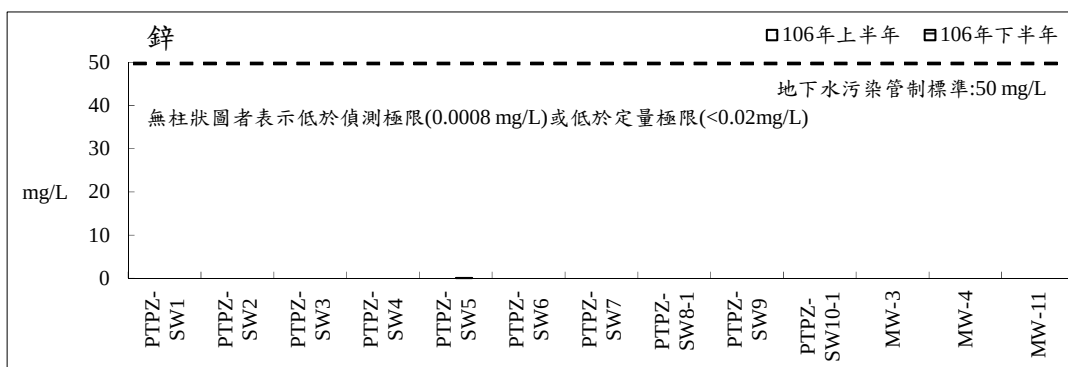
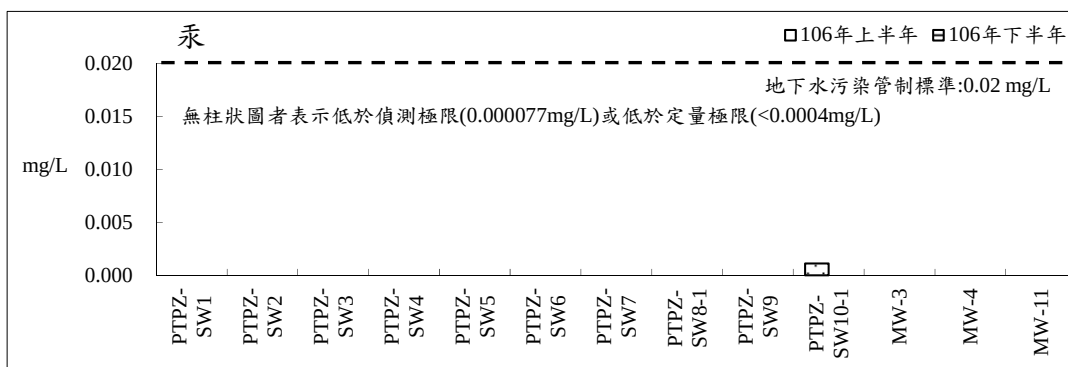
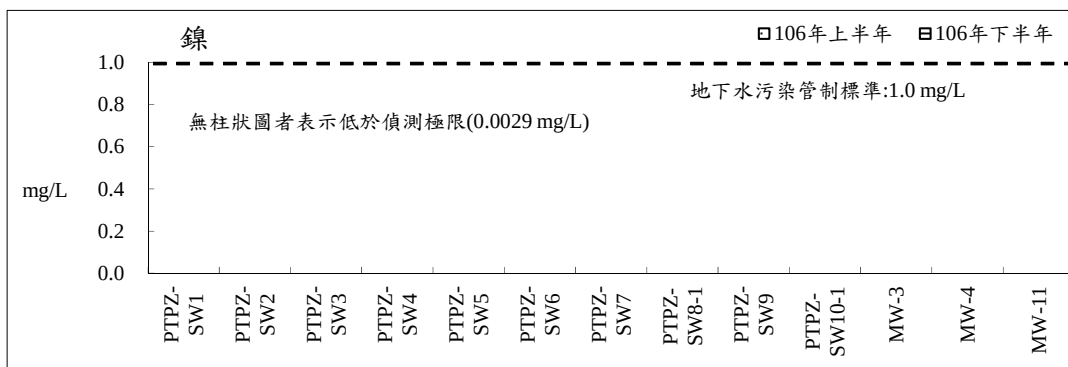
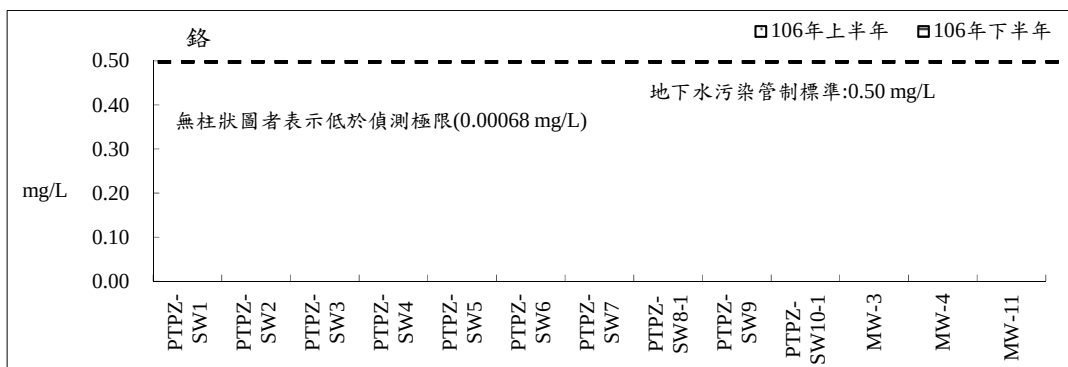


圖 3.4-1 106 年度地下水水質變化圖(續 5)

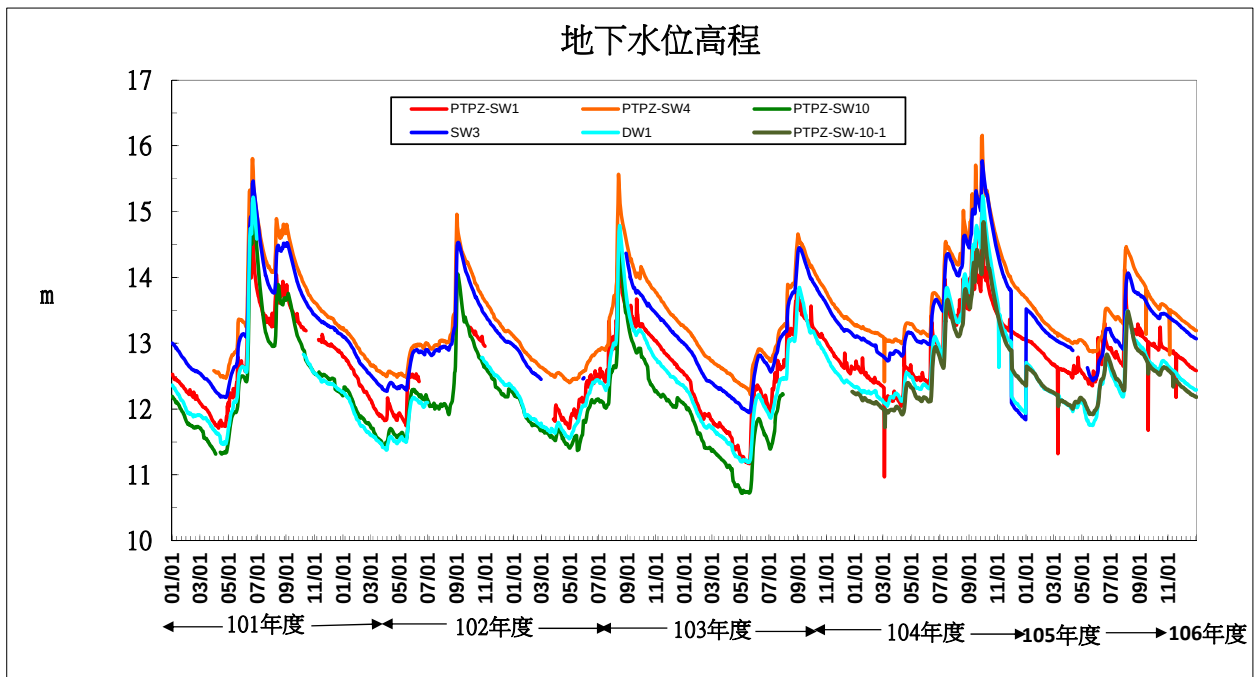


圖 3.4-2 101 年至 106 年 12 月地下水位高程變化圖