

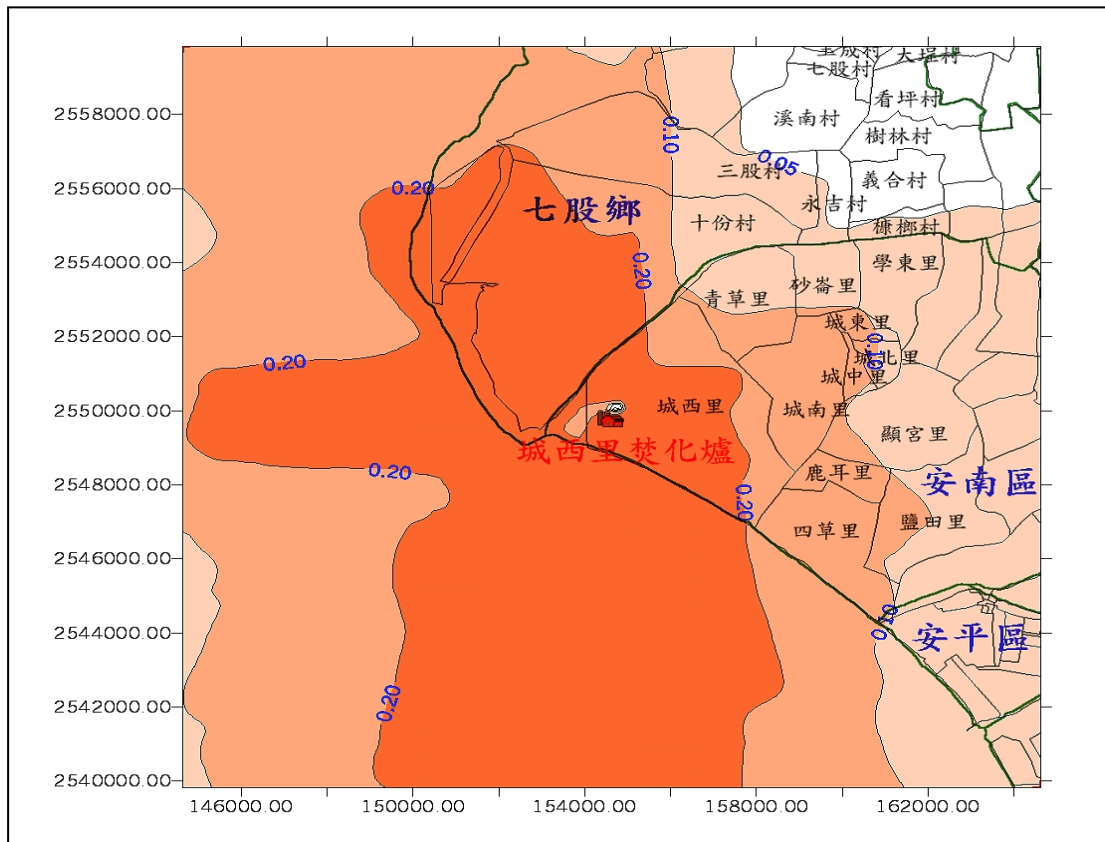


圖 1-1-1 台南市城西里垃圾焚化爐空氣中戴奧辛毒性當量濃度
(fg I-TEQ/Nm³)的擴散模擬圖

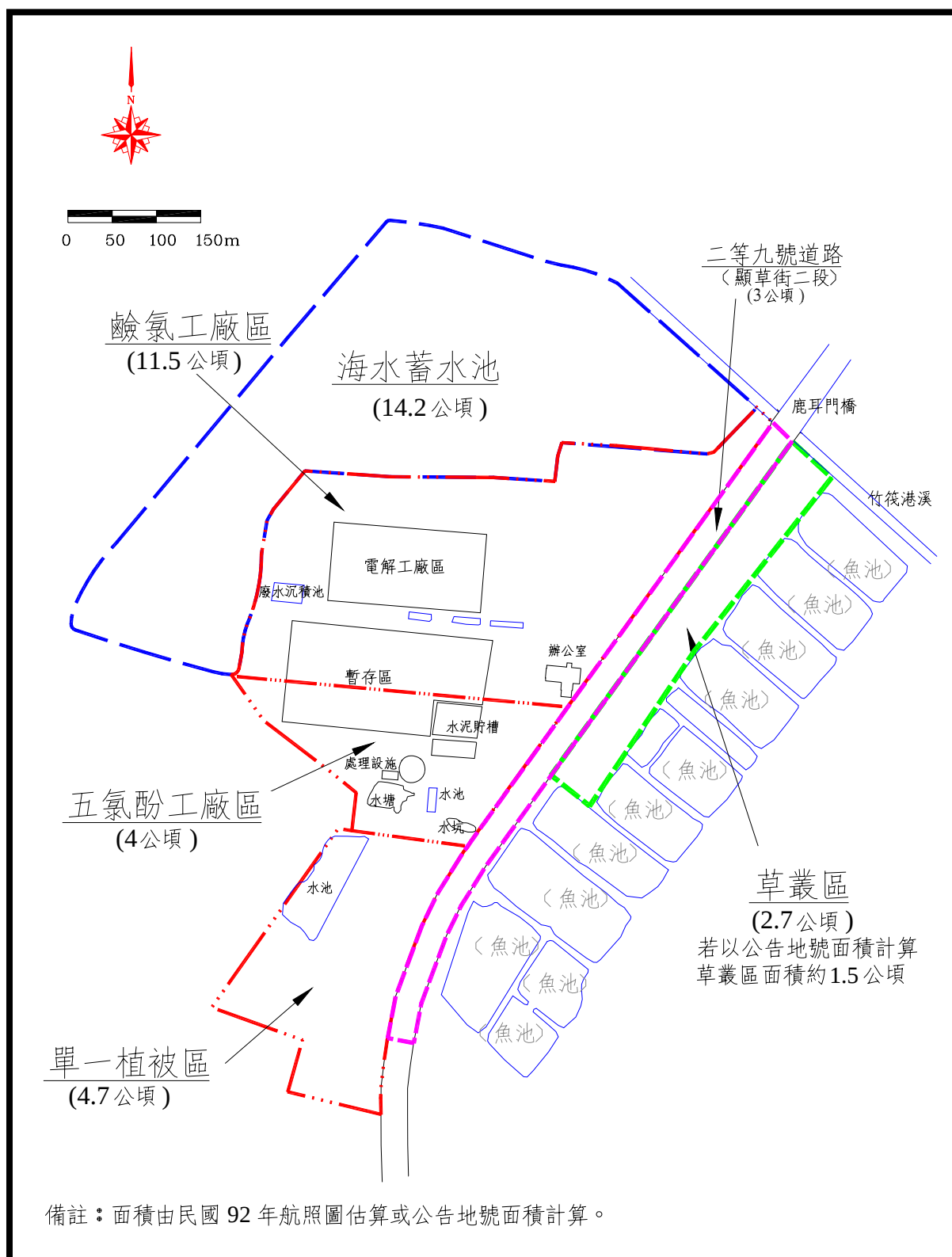


圖1-1-2場址已公告污染範圍分區示意圖

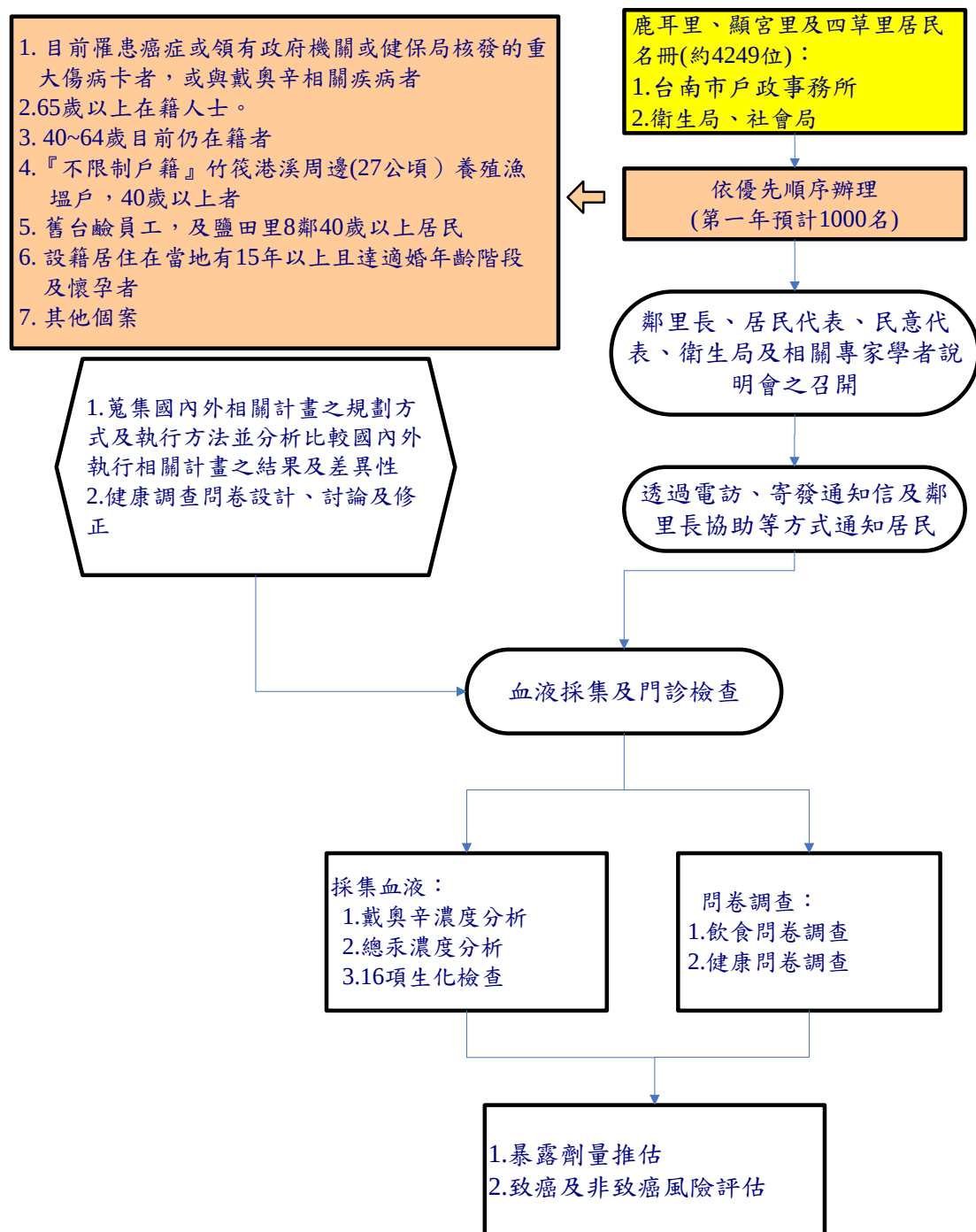
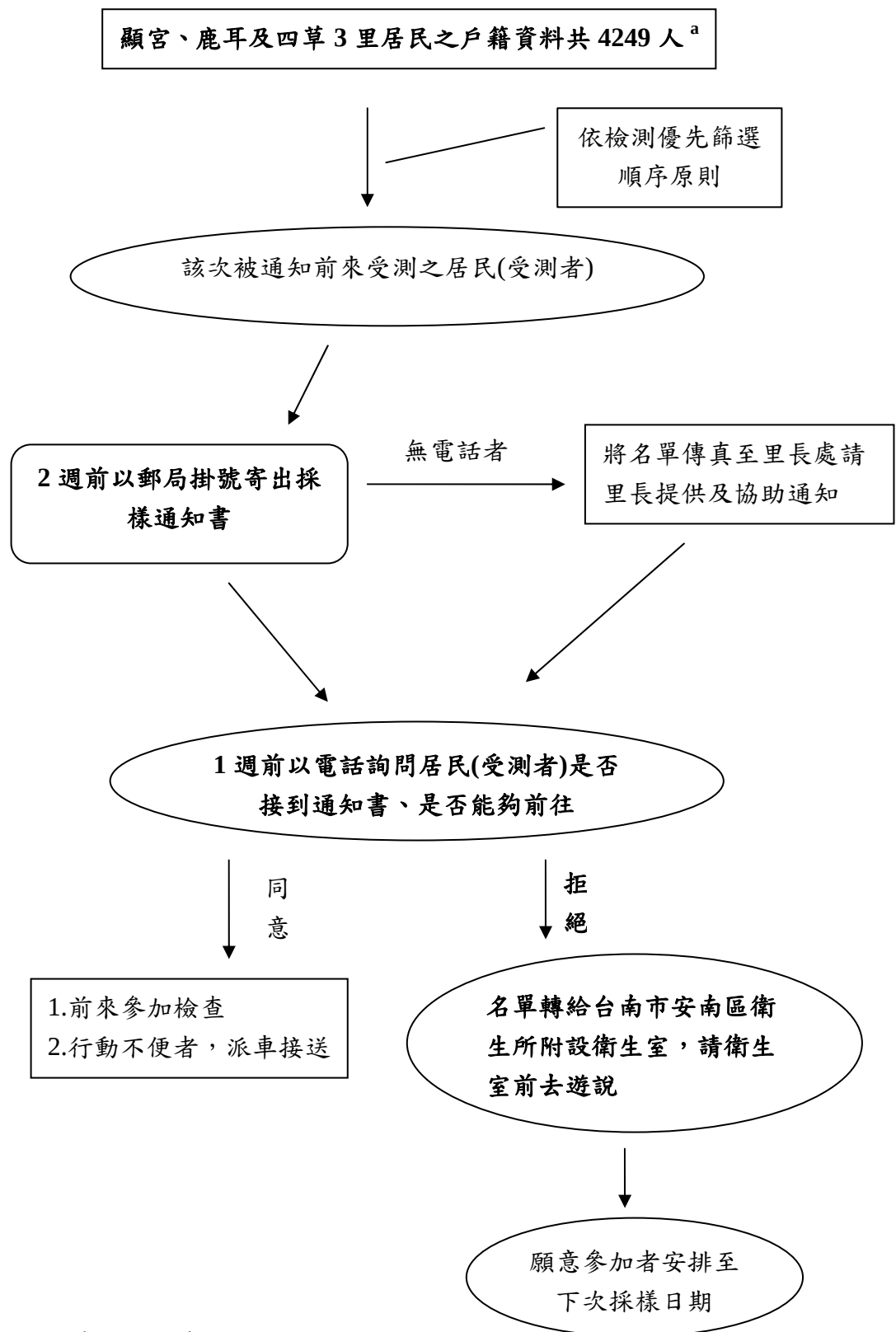


圖3-1-1 本計劃研究架構



a：台南市政府衛生局所提供

圖3-4-1 採樣對象通知流程圖

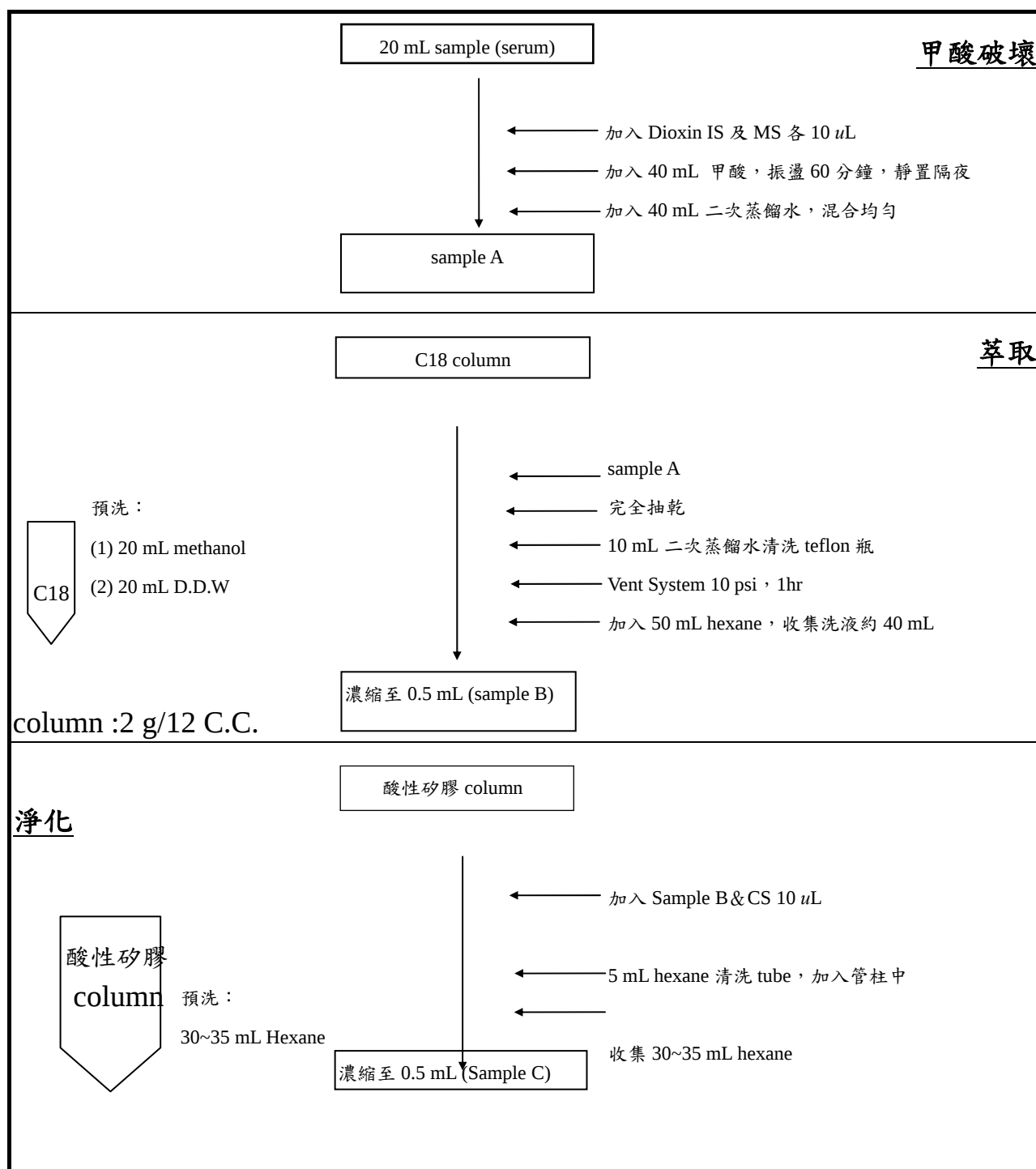


圖3-4-2 本研究計畫血液前處理流程圖

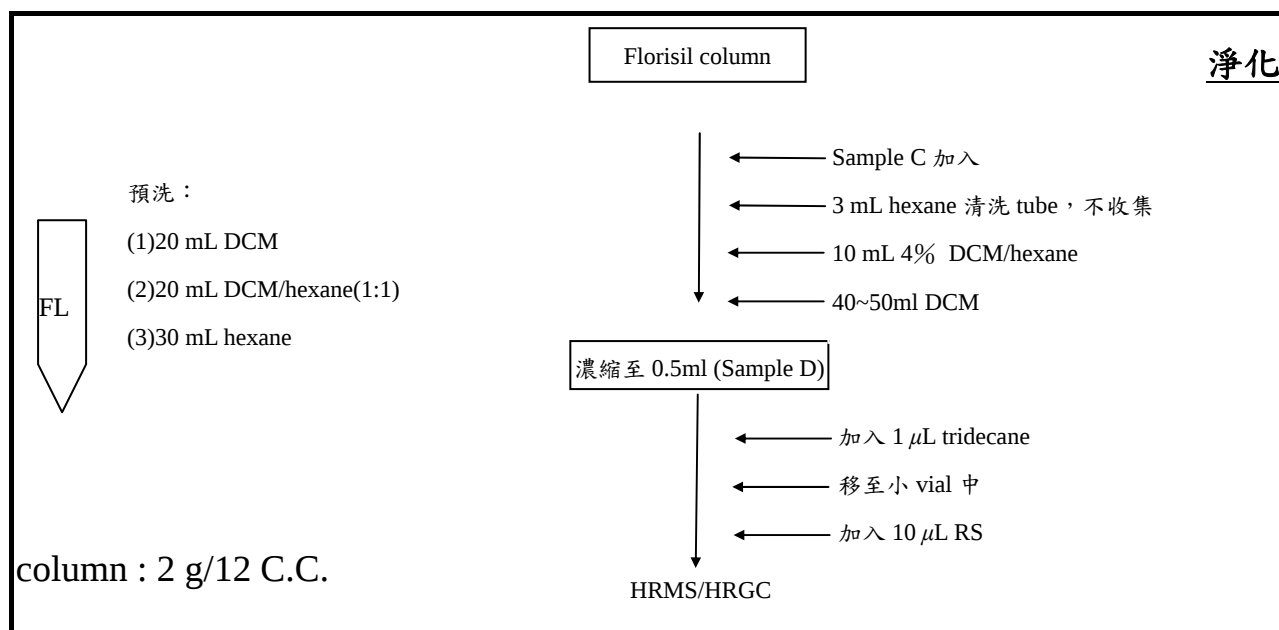


圖 3-4-2 本研究計畫血液前處理流程圖(續)

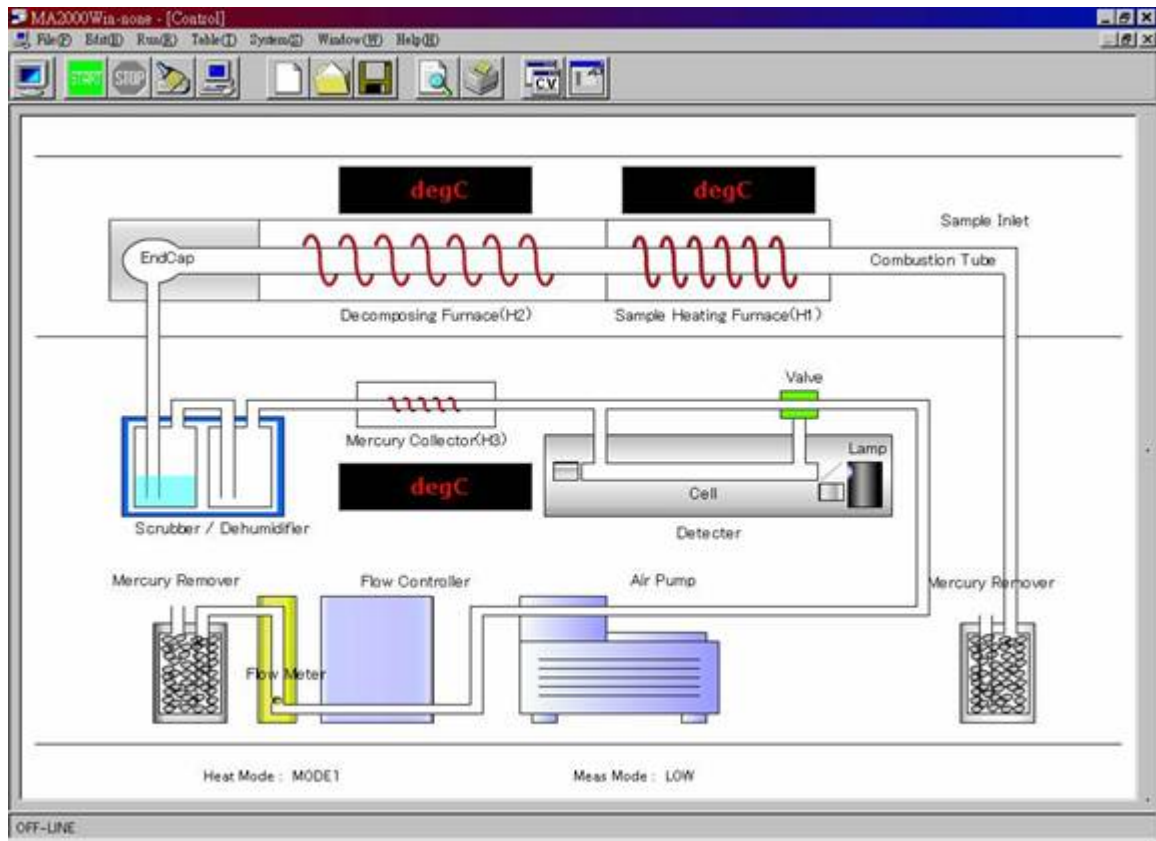


圖3-4-3 總汞分析儀元件配置圖

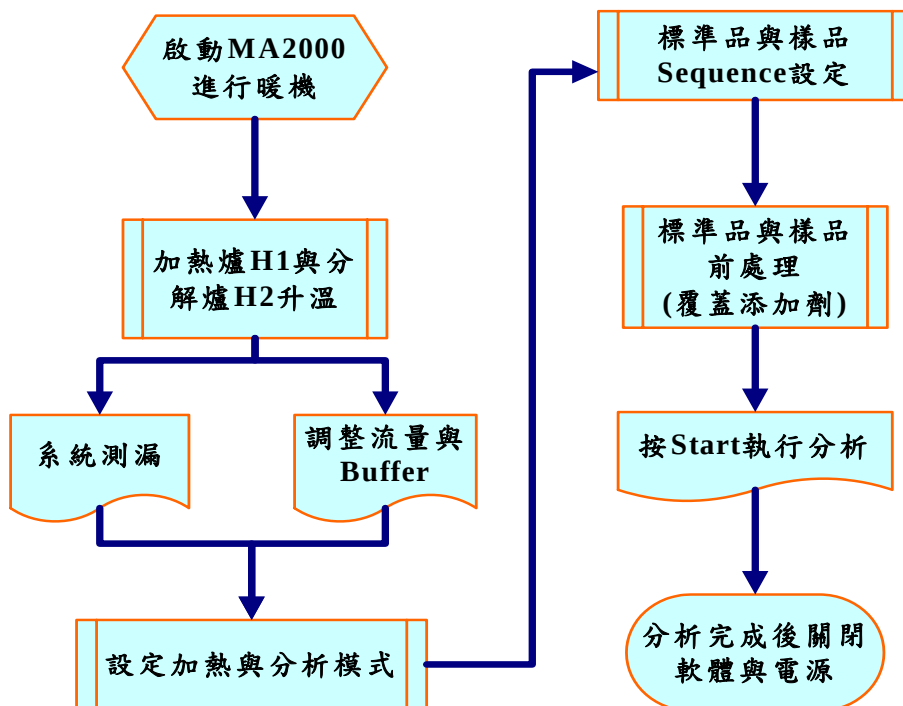


圖3-4-4 總汞分析儀操作流程

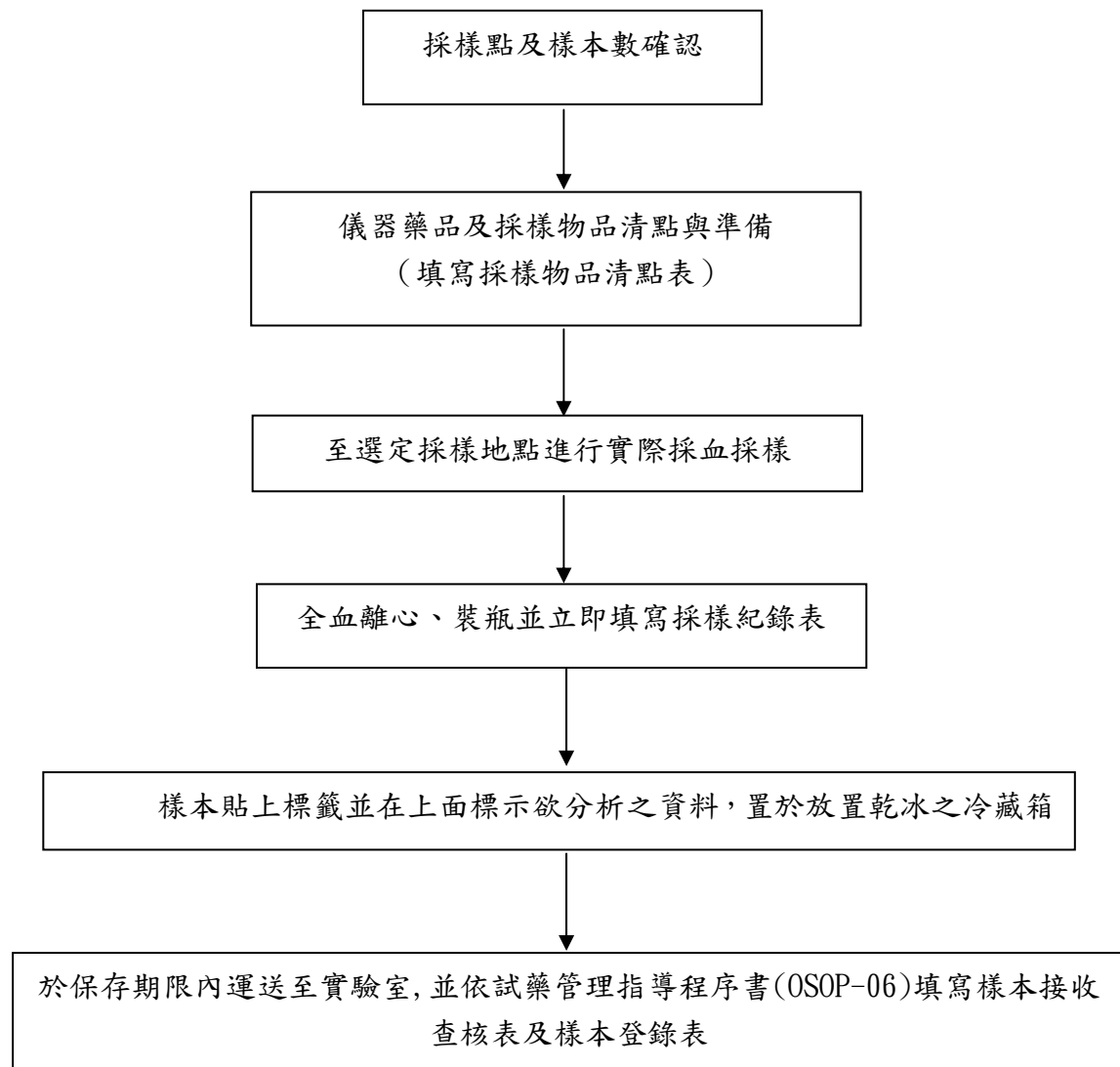


圖3-7-1 本研究計畫採樣作業圖表流程

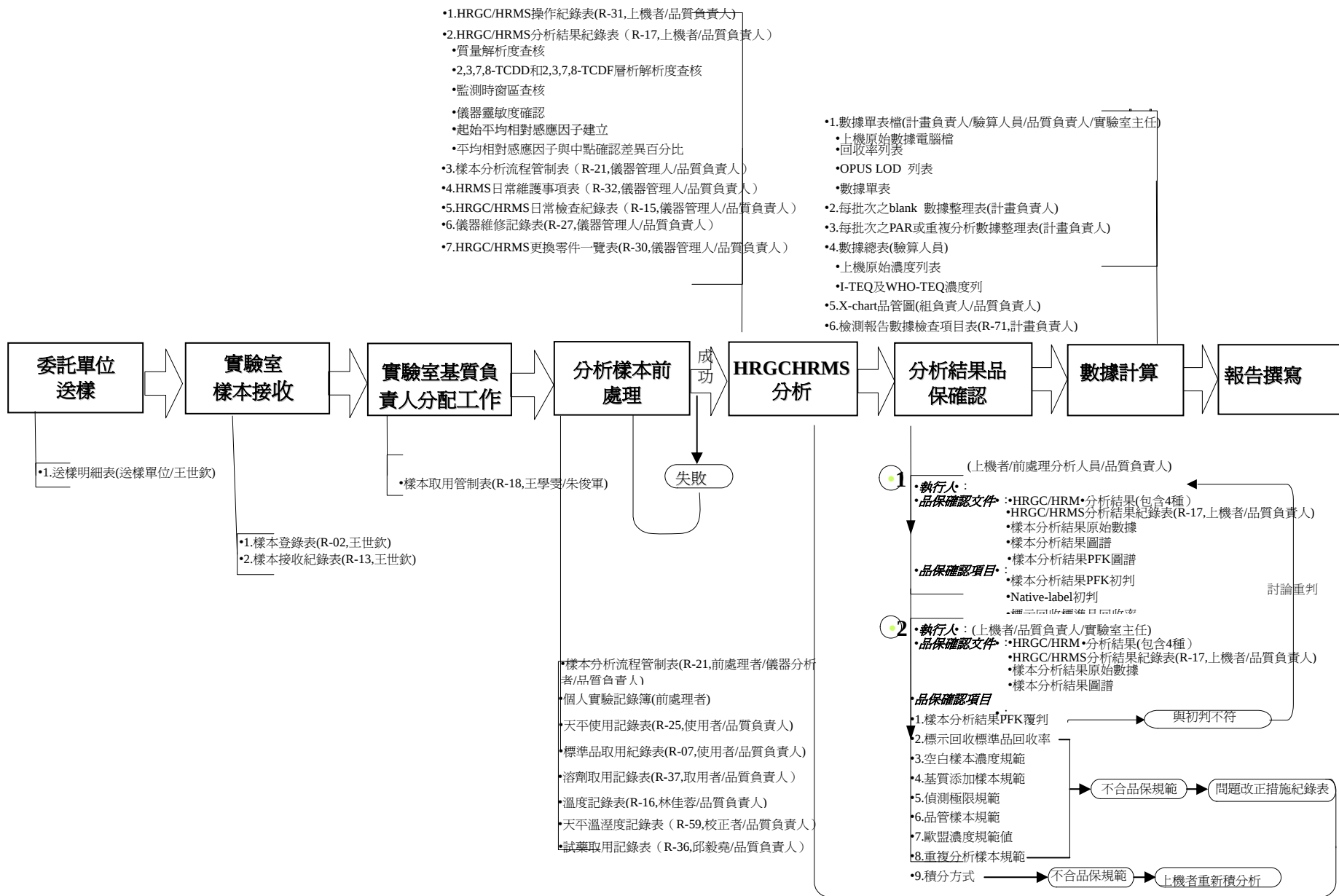


圖3-7-2 樣本檢驗品保流程圖

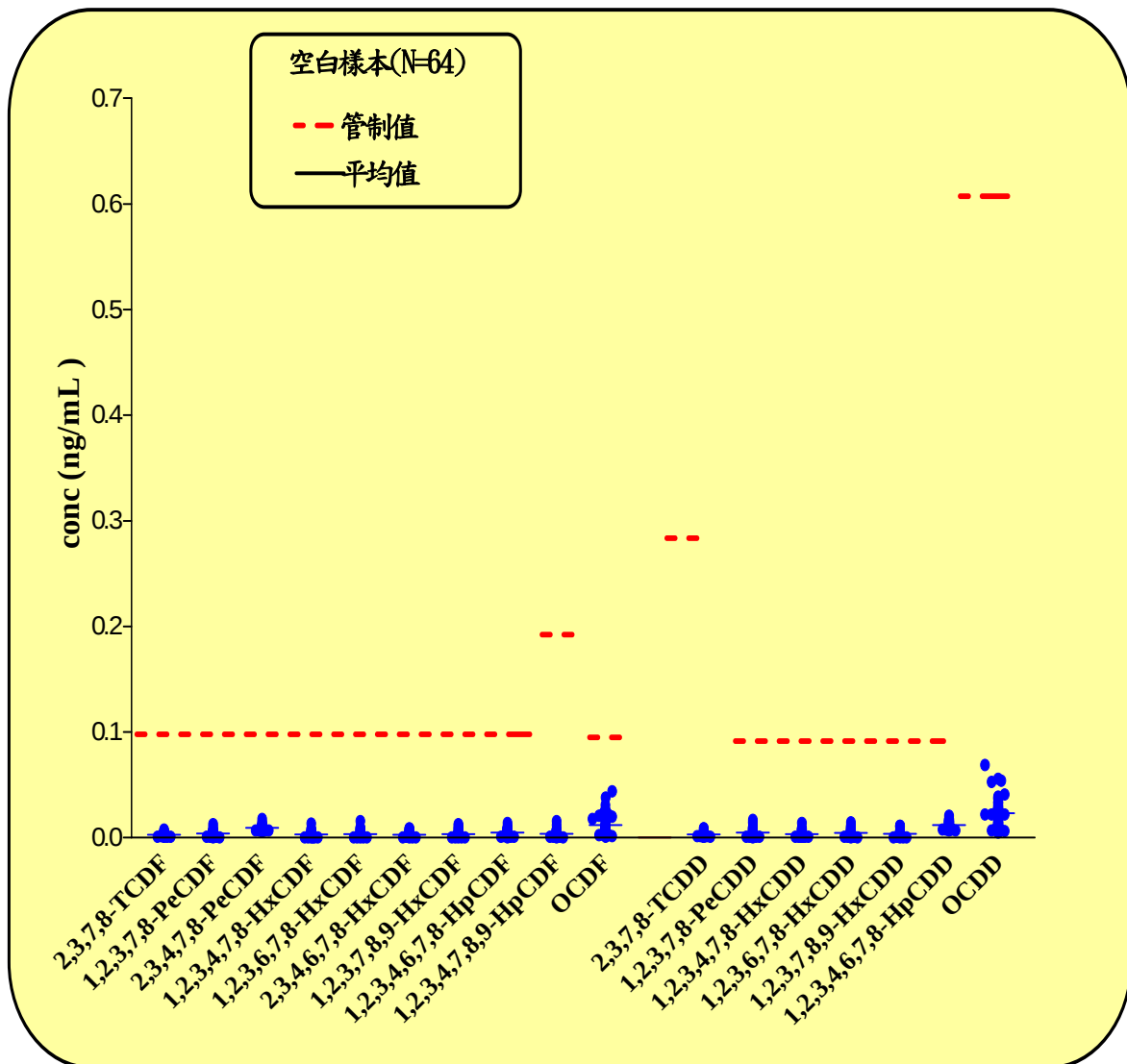


圖3-7-3 本計畫空白樣本原始上機濃度17種戴奧辛/呋喃同源物管制結果

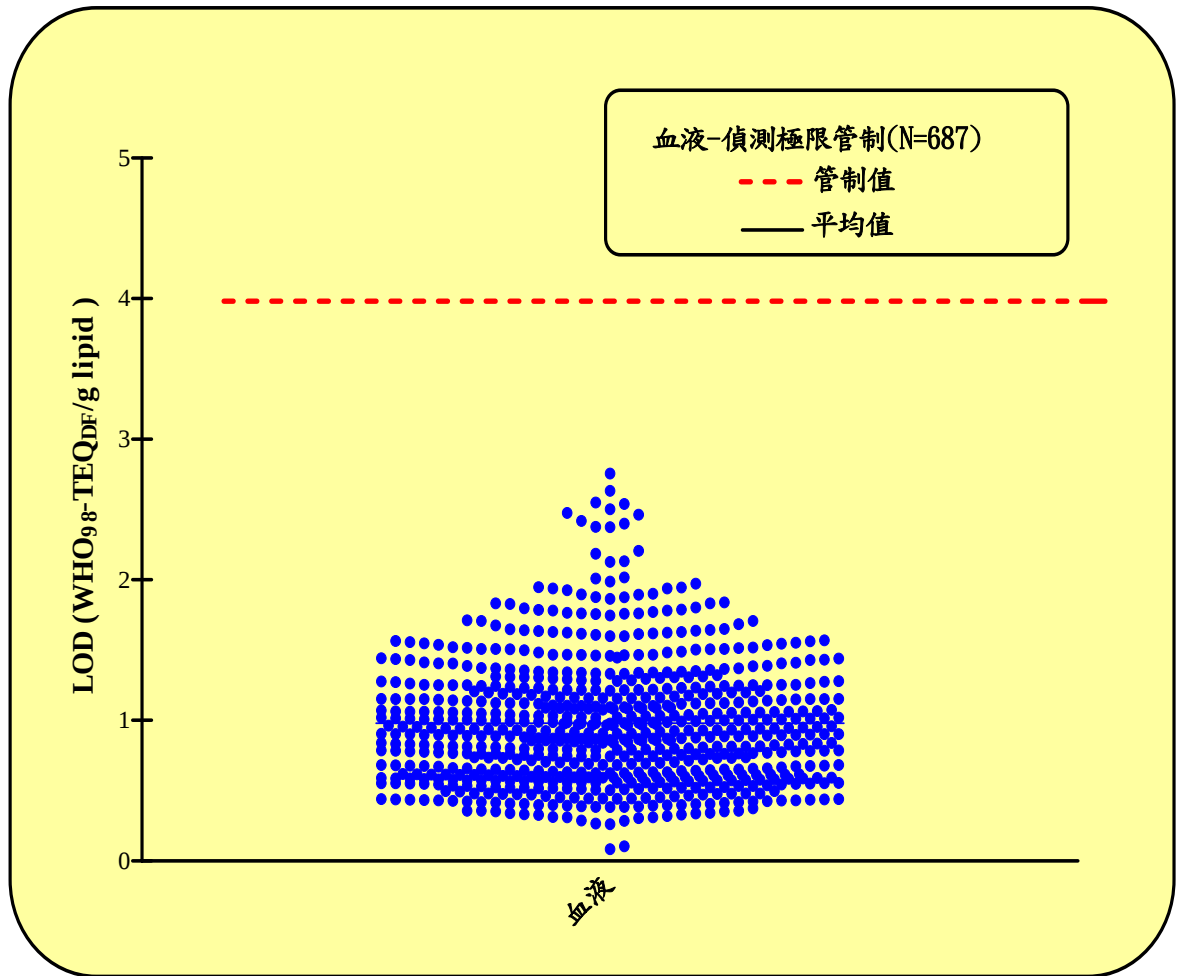


圖3-7-4 本計畫17種戴奧辛/呋喃同源物偵測極限總毒性當量濃度管制結果

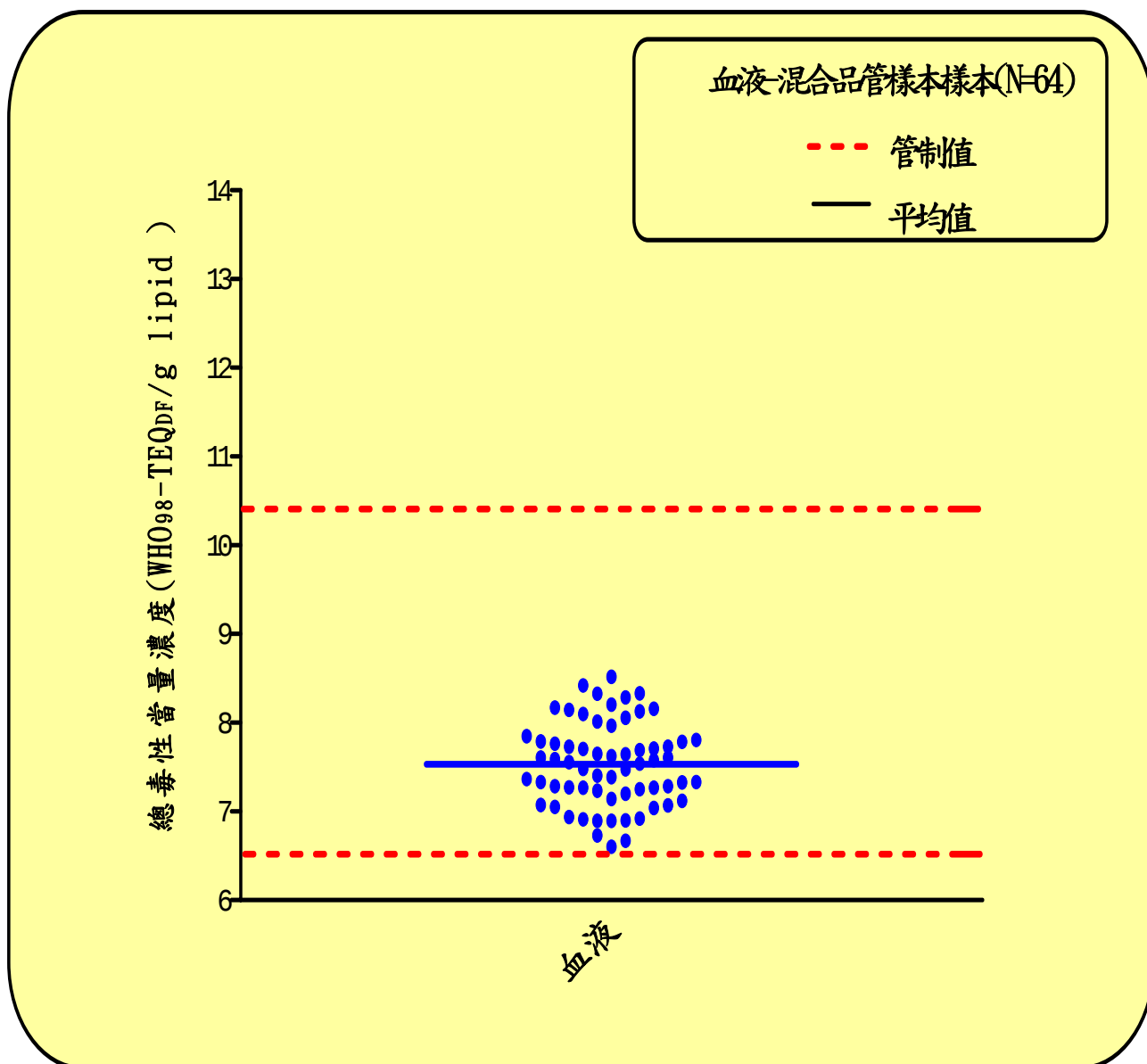


圖3-7-5 本計畫混合血清17種戴奧辛/呋喃同源物總毒性當量濃度

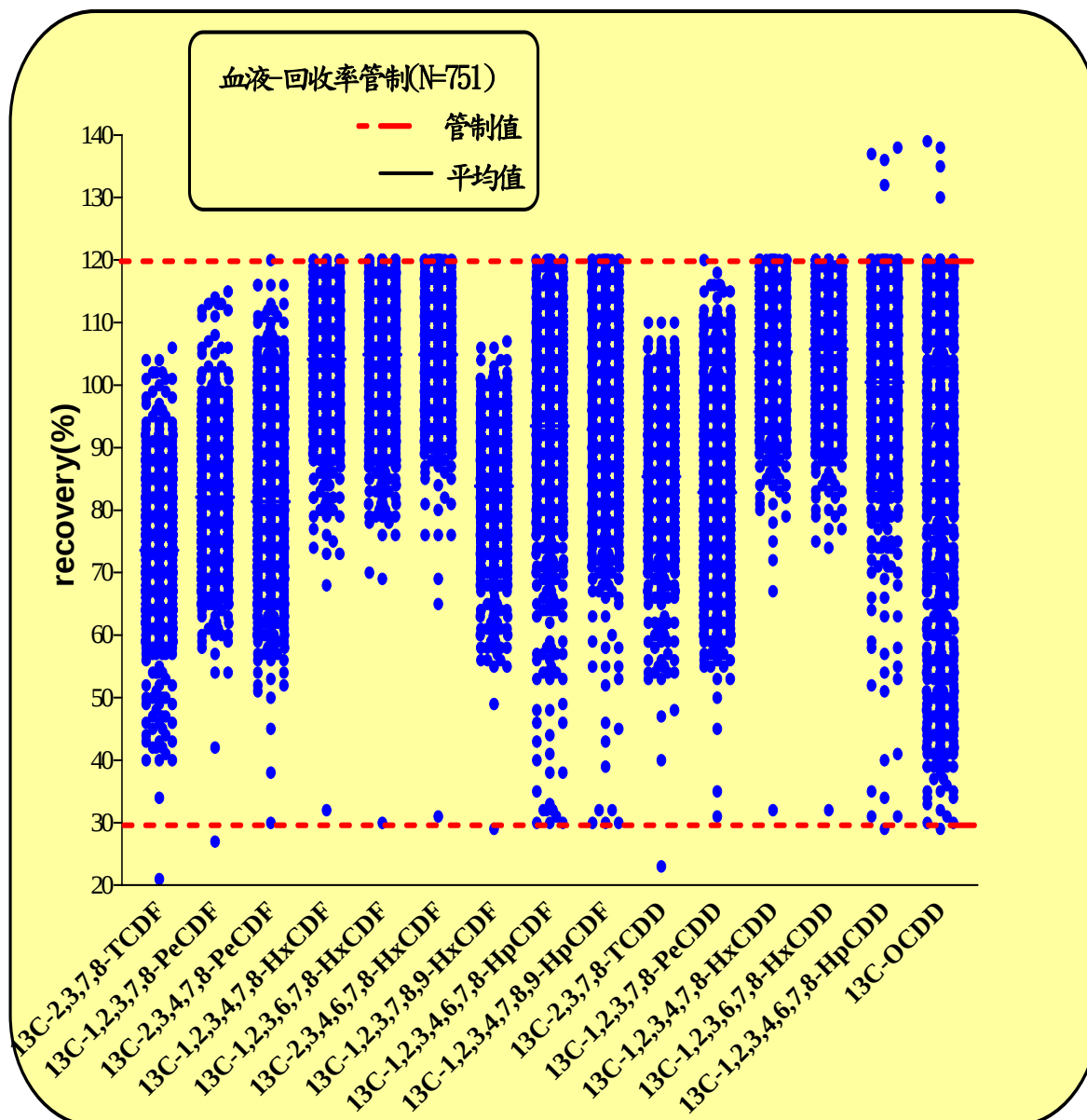


圖 3-7-6 本計畫樣本分析 17 種戴奧辛/呋喃同源物同位素標記標準品回收率管制結果(不合格樣本經品管會議決定註記出報告)

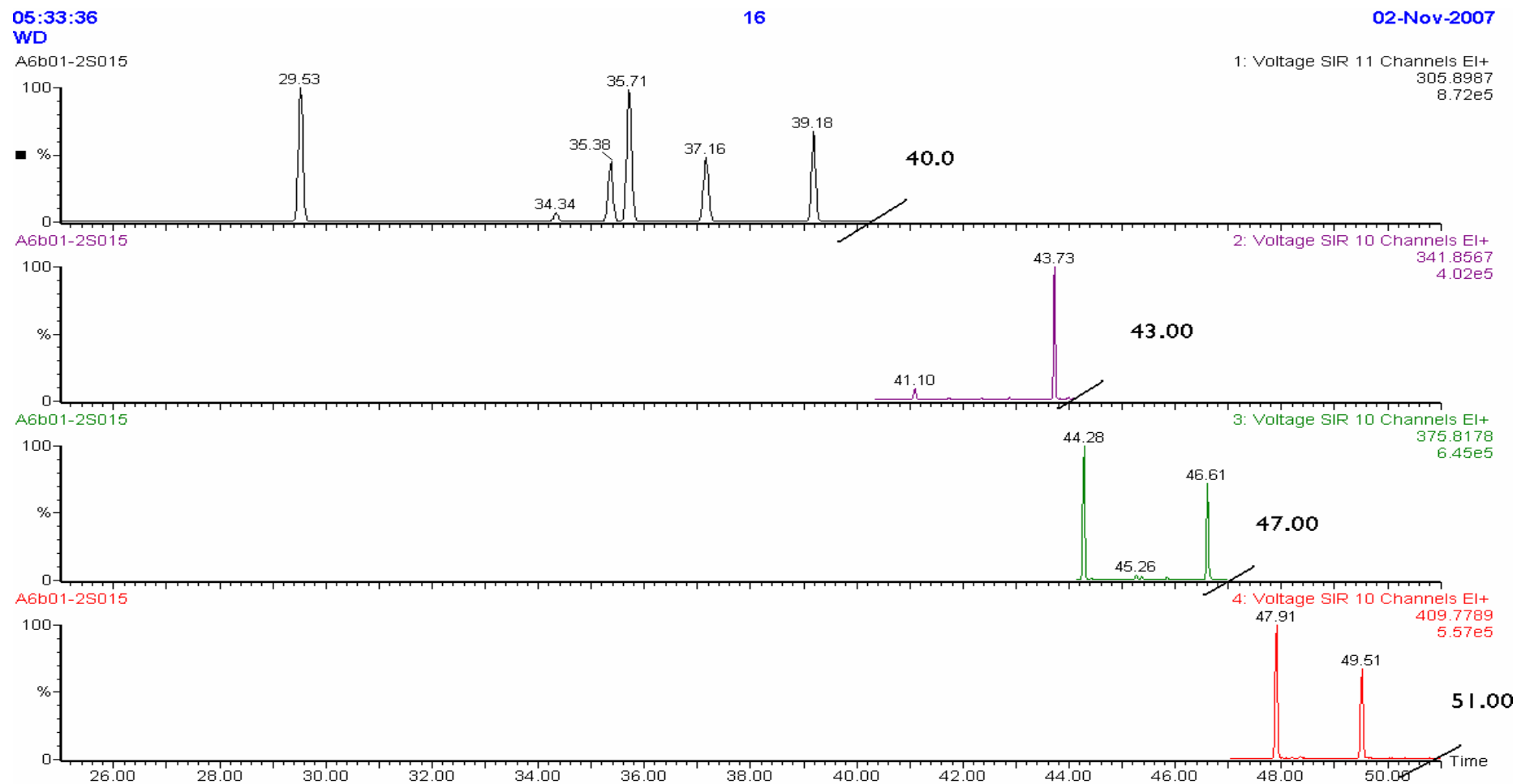


圖3-7-7 本計畫十七種多氯戴奧辛/呋喃同源物監測時窗區查核執行結果之一

21:34:30
CS03
A6A27-1S003

4

27-Oct-2007

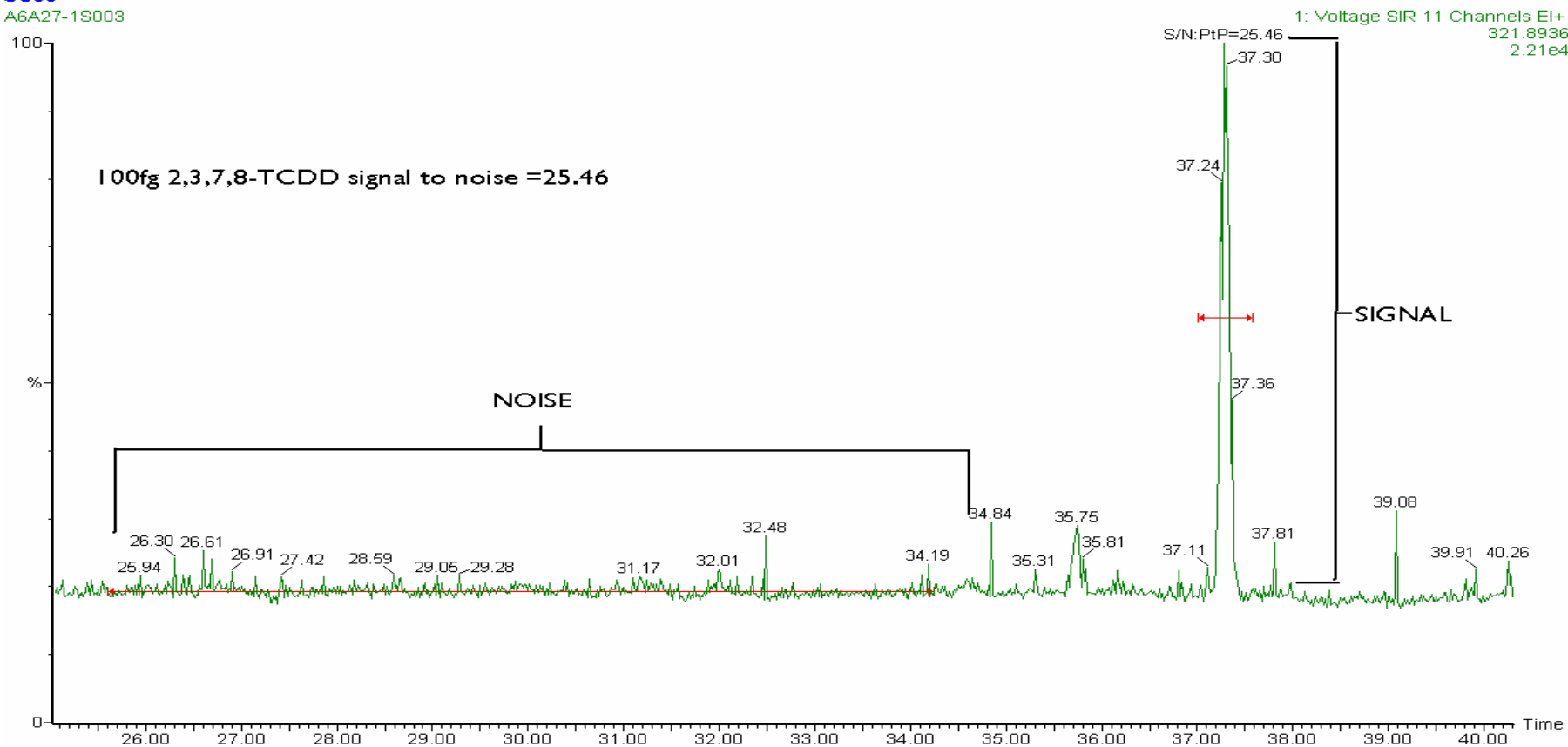


圖3-7-8 本計畫十七種多氯戴奧辛/呋喃同源物儀器靈敏度確認結果之一

01:06:46

WD

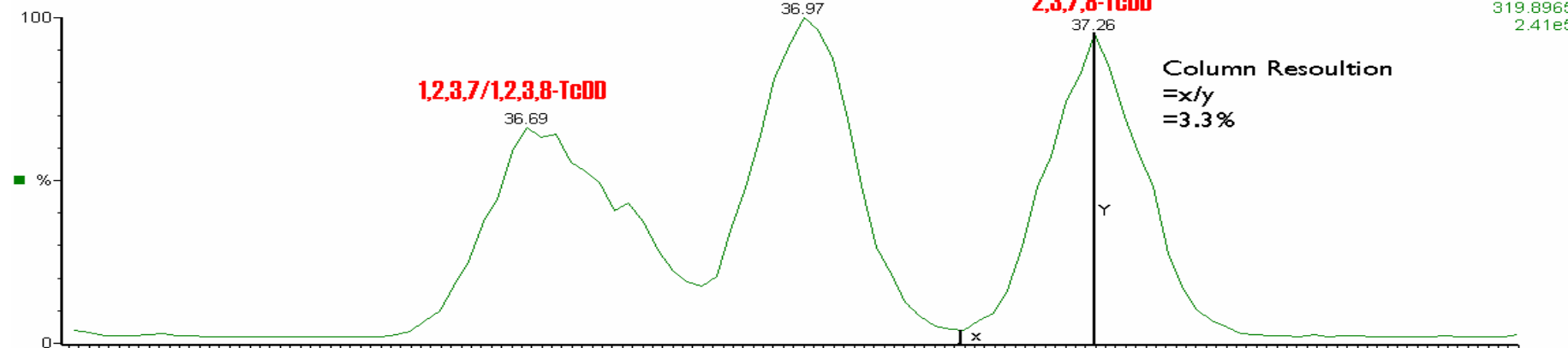
A6A30-1S015

31-Oct-2007

1: Voltage SIR 11 Channels EI+

319.8965

2.41e5



A6A30-1S015

1: Voltage SIR 11 Channels EI+

333.9339

1.61e5

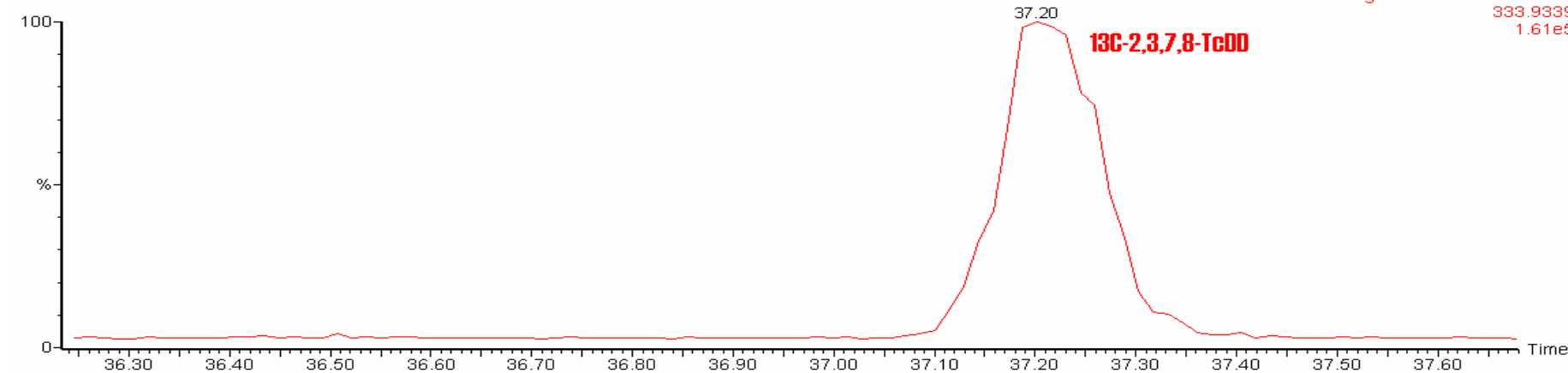


圖3-7-9 本計畫十七種多氯戴奧辛/呋喃同源物層析解析度執行結果之一

01:06:46
WD
A6A30-1S015

31-Oct-2007

1: Voltage SIR 11 Channels EI+
305.8987
1.51e6

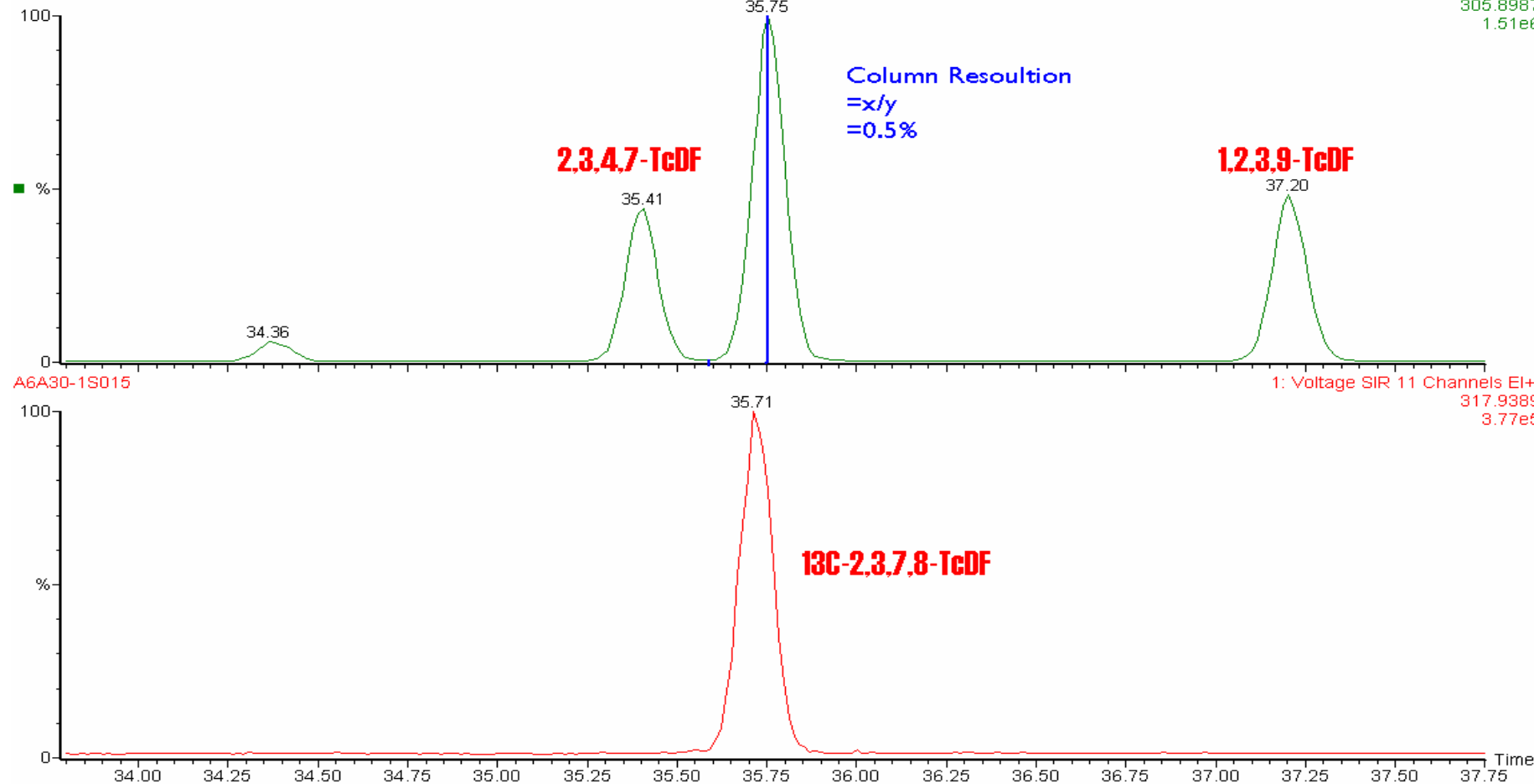


圖3-7-10 本計畫十七種多氯戴奧辛/呋喃同源物層析解析度執行結果之一

Sample Name: A6A27-1S003 Sample ID: CS03
 Acq.Date: 27-Oct-07
 Method: D:\MASSL\YX\PROJECT\M1613\A6A27-1.PRO\MethDB\NIEA.M1613A6A27-1MDB
 Sample List: D:\MASSL\YX\PROJECT\M1613\A6A27-1.PRO\SampleDB\A6A27-1.CAL

	Type	Name	Amount	Area	RA	Ratio Flag	RT	RRF	MODIFIED	RRF Mean	%RSD	S/N	Sec. S/N
1	Unk	2,3,7,8-TCDF	0.05	5189.823	0.80	YES	35.78	0.94	bb	0.982	3.11	98.969	111.113
2	Unk	1,2,3,7,8-PeCDF	0.25	18299.362	1.60	YES	42.15	0.96	bb	0.989	3.09	841.618	346.801
3	Unk	2,3,4,7,8-PeCDF	0.25	19010.195	1.60	YES	43.01	1.02	bb	1.037	1.70	987.817	416.867
4	Unk	1,2,3,4,7,8-HxCDF	0.25	17858.846	1.30	YES	45.30	1.15	bd	1.225	4.23	546.86	1065.613
5	Unk	1,2,3,6,7,8-HxCDF	0.25	20879.535	1.30	YES	45.40	1.16	db	1.179	3.09	634.711	1314.845
6	Unk	2,3,4,6,7,8-HxCDF	0.25	18832.333	1.20	YES	45.88	1.22	db	1.228	3.28	549.173	1167.166
7	Unk	1,2,3,7,8,9-HxCDF	0.25	18501.325	1.30	YES	46.61	1.10	bb	1.133	2.68	529.988	1077.98
8	Unk	1,2,3,4,6,7,8-HpCDF	0.25	15085.115	1.00	YES	47.95	1.27	bb	1.325	3.47	665.837	1053.727
9	Unk	1,2,3,4,7,8,9-HpCDF	0.25	10664.231	1.10	YES	49.55	1.14	bb	1.212	4.28	469.738	661.157
10	Unk	OCDF	0.5	18284.876	0.90	YES	52.55	1.21	bb	1.233	3.04	1023.82	559.749
11	Unk	2,3,7,8-TCDD	0.05	3311.092	0.80	YES	37.27	1.00	bb	0.956	3.67	82.817	103.486
12	Unk	1,2,3,7,8-PeCDD	0.25	10344.204	1.50	YES	43.25	0.91	bb	0.937	3.43	421.898	292.012
13	Unk	1,2,3,4,7,8-HxCDD	0.25	9681.797	1.20	YES	46.01	0.82	bd	0.864	4.70	513.785	656.158
14	Unk	1,2,3,6,7,8-HxCDD	0.25	11029.047	1.30	YES	46.09	0.86	dd	0.878	2.15	572.711	688.01
15	Unk	1,2,3,7,8,9-HxCDD	0.25	10565.251	1.20	YES	46.31	0.86	dd	0.916	4.38	546.733	723.74
16	Unk	1,2,3,4,6,7,8-HpCDD	0.25	8288.559	1.00	YES	48.99	1.04	bb	1.079	3.29	483.267	572.931
17	Unk	OCDD	0.5	14380.572	0.90	YES	52.29	0.95	bb	1.006	3.74	833.7	510.046
18	IS/RT	13C-2,3,7,8-TCDF	50	5521415	0.80	YES	35.75	1.58	bb	1.639	2.38	8898.277	17057.09
19	IS	13C-1,2,3,7,8-PeCDF	50	3795099.375	1.60	YES	42.13	1.09	bb	1.335	16.53	23825.8	17176.18
20	IS	13C-2,3,4,7,8-PeCDF	50	3722924.25	1.60	YES	43.00	1.06	bb	1.358	17.82	28453.44	20713.36
21	IS	13C-1,2,3,4,7,8-HxCDF	50	3117326.25	0.50	YES	45.29	1.30	bd	1.282	1.53	7422.001	7754.688
22	IS	13C-1,2,3,6,7,8-HxCDF	50	3587728	0.50	YES	45.38	1.50	dd	1.465	2.41	8961.698	9260.957
23	IS	13C-2,3,4,6,7,8-HxCDF	50	3076599.875	0.50	YES	45.87	1.28	bb	1.257	2.02	7961.321	7968.313
24	IS	13C-1,2,3,7,8,9-HxCDF	50	3360806.5	0.50	YES	46.60	1.40	bb	1.391	4.67	8107.052	8241.823
25	IS	13C-1,2,3,4,6,7,8-HpCDF	50	2383103.125	0.50	YES	47.93	0.99	bb	1.042	4.44	6407.566	12161.62
26	IS	13C-1,2,3,4,7,8,9-HpCDF	50	1874038.563	0.50	YES	49.54	0.78	bb	0.843	7.23	4428.631	8308.651
27	IS	13C-2,3,7,8-TCDD	50	3326824.5	0.80	YES	37.24	0.95	bb	0.974	4.66	8943.648	17229.18
28	IS	13C-1,2,3,7,8-PeCDD	50	2279753.375	1.60	YES	43.24	0.65	bb	0.816	19.66	39250.83	28272.34
29	IS	13C-1,2,3,4,7,8-HxCDD	50	2355804.563	1.30	YES	45.99	0.98	bd	0.963	2.32	7222.998	5296.689
30	IS	13C-1,2,3,6,7,8-HxCDD	50	2557217.75	1.30	YES	46.07	1.07	db	1.042	1.63	7085.62	5327.143
31	IS	13C-1,2,3,4,6,7,8-HpCDD	50	1601262	1.10	YES	48.97	0.67	bb	0.725	6.76	4329.982	4373.871
32	IS	13C-OCDD	100	3015318.875	0.90	YES	52.28	0.63	bb	0.600	8.89	39751.74	31323.71
33	RS	13C-1,2,3,4-TCDD	50	3497955.375	0.80	YES	36.12	69959.11	bb	56658.825	16.60	9539.099	18373.76
34	RS/RT	13C-1,2,3,7,8,9-HxCDD	50	2397730.625	1.30	YES	46.30	47954.61	bb	48582.326	11.38	7429.238	5471.032
35	CUP	37Cl-2,3,7,8-TCDD	0.05	3113.697	0.00		37.29	0.89	bb	0.988	9.97	126.764	

圖3-7-11 本計畫十七種多氯戴奧辛/呋喃同源物平均相對感應因子建立RRF相對平均標準差(RSD%)結果之一

Sample Name: A6A30-15001 Sample ID: DIOXIN VER

Acq.Date 30-Oct-07

Method: D:\MASSLYNX\PROJECT\M1613\A6A27-1.PRO\MethHDB\NIEA M1613A6A27-1.MDB

Sample List: D:\MASSLYNX\PROJECT\M1613\A6A27-1.PRO\SampleDB\A6A30-1.RSL

Cal D:\MASSLYNX\PROJECT\M1613\A6A27-1.PRO\SampleDB\A6A27-1.CAL

	Type	Name	Area	RA	Ratio Flag	RT	RRF	RRF Mean	Different %	Range	Mod	S/N	Sec. S/N	native-table rt
1	Unk	2,3,7,8-TCDF	31862.96	0.76	YES	35.74	1.028	0.982	5%	20%	bb	567.86	795.31	-0.03
2	Unk	1,2,3,7,8-PeCDF	157704.62	1.52	YES	42.13	0.960	0.989	-3%	20%	bb	5183.66	2663.37	-0.02
3	Unk	2,3,4,7,8-PeCDF	174319.85	1.60	YES	43.00	0.986	1.037	-5%	20%	bb	6544.11	3184.92	-0.02
4	Unk	1,2,3,4,7,8-HxCDF	178252.41	1.28	YES	45.29	1.170	1.225	-4%	20%	bd	4422.51	4318.02	-0.01
5	Unk	1,2,3,6,7,8-HxCDF	190660.17	1.29	YES	45.38	1.111	1.179	-6%	20%	db	4600.67	4699.18	-0.01
6	Unk	2,3,4,6,7,8-HxCDF	170497.05	1.28	YES	45.87	1.054	1.228	-14%	20%	bd	4048.36	3973.47	-0.01
7	Unk	1,2,3,7,8,9-HxCDF	176226.20	1.26	YES	46.60	1.079	1.133	-5%	20%	bb	4113.57	4188.83	-0.02
8	Unk	1,2,3,4,6,7,8-HpCDF	170158.54	1.07	YES	47.93	1.338	1.325	1%	20%	bb	661.77	2640.69	-0.01
9	Unk	1,2,3,4,7,8,9-HpCDF	135874.43	1.05	YES	49.54	1.203	1.212	-1%	20%	bb	495.50	2034.47	-0.01
10	Unk	OCDF	202311.80	0.91	YES	52.52	1.275	1.233	3%	20%	bb	5626.37	4460.42	
11	Unk	2,3,7,8-TCDD	19687.18	0.80	YES	37.24	0.909	0.956	-5%	20%	bb	638.54	696.84	-0.04
12	Unk	1,2,3,7,8-PeCDD	98743.77	1.53	YES	43.24	0.947	0.937	1%	20%	bb	4050.98	1799.84	-0.01
13	Unk	1,2,3,4,7,8-HxCDD	97202.77	1.25	YES	45.99	0.885	0.864	2%	20%	dd	3627.64	2273.48	-0.01
14	Unk	1,2,3,6,7,8-HxCDD	102420.20	1.30	YES	46.07	0.874	0.878	0%	20%	dd	3634.04	2259.77	-0.01
15	Unk	1,2,3,7,8,9-HxCDD	106983.64	1.29	YES	46.30	0.942	0.916	3%	20%	dd	3851.49	2428.86	0.00
16	Unk	1,2,3,4,6,7,8-HpCDD	103816.41	1.03	YES	48.97	1.070	1.079	-1%	20%	bb	1903.28	1760.47	-0.01
17	Unk	OCDD	166271.20	0.91	YES	52.27	1.048	1.006	4%	20%	bb	5627.25	3278.49	-0.02
18	IS/RT	13C-2,3,7,8-TCDF	619605.150	0.79	YES	35.71	1.359	1.639	-17%	25%	bb	11951.97	31141.17	
19	IS	13C-1,2,3,7,8-PeCDF	6570945.25	1.54	YES	42.11	1.442	1.335	8%	25%	bb	25226.27	9063.70	
20	IS	13C-2,3,4,7,8-PeCDF	7072738.75	1.56	YES	42.98	1.552	1.358	14%	25%	bb	32332.84	11140.88	
21	IS	13C-1,2,3,4,7,8-HxCDF	6095393.75	0.53	YES	45.28	1.247	1.282	-3%	25%	bd	14442.10	8696.51	
22	IS	13C-1,2,3,6,7,8-HxCDF	6864574.00	0.54	YES	45.37	1.405	1.465	-4%	25%	dd	16667.73	10025.88	
23	IS	13C-2,3,4,6,7,8-HxCDF	6470073.00	0.54	YES	45.86	1.324	1.257	5%	25%	bb	14985.71	8689.02	
24	IS	13C-1,2,3,7,8,9-HxCDF	6530754.75	0.52	YES	46.58	1.336	1.391	-4%	25%	bb	14563.17	8999.21	
25	IS	13C-1,2,3,4,6,7,8-HpCDF	5085777.00	0.46	YES	47.92	1.041	1.042	0%	25%	bb	9644.45	17312.10	
26	IS	13C-1,2,3,4,7,8,9-HpCDF	4517449.88	0.46	YES	49.53	0.924	0.843	10%	25%	bb	7929.72	14378.28	
27	IS	13C-2,3,7,8-TCDD	4329385.63	0.78	YES	37.20	0.950	0.974	-2%	25%	bb	9007.75	18834.53	
28	IS	13C-1,2,3,7,8-PeCDD	417185.88	1.57	YES	43.23	0.915	0.816	12%	25%	bb	29227.31	23173.17	
29	IS	13C-1,2,3,4,7,8-HxCDD	4395129.75	1.25	YES	45.98	0.899	0.963	-7%	25%	bd	15329.58	16969.51	
30	IS	13C-1,2,3,6,7,8-HxCDD	4689518.38	1.25	YES	46.06	0.960	1.042	-8%	25%	db	16080.82	17344.53	
31	IS	13C-1,2,3,4,6,7,8-HpCDD	3881887.88	1.05	YES	48.96	0.794	0.725	10%	25%	bb	4895.32	4620.66	
32	IS	13C-OCDD	6344843.25	0.92	YES	52.25	0.649	0.600	8%	25%	bd	37509.07	115244.05	
33	RS	13C-1,2,3,4-TCDD	4558114.25	0.78	YES	36.07	91162.285	56658.825			bb	9982.70	21588.51	
34	RS/RT	13C-1,2,3,7,8,9-HxCDD	4886814.00	1.23	YES	46.29	97736.280	48582.326			bb	16536.07	19031.69	
35	C/UP	37Cl-2,3,7,8-TCDD	21530.42			37.24	0.945	0.988	-4%	25%	bb	733.93		

圖3-7-12本計畫十七種多氯戴奧辛/呋喃同源物平均相對感應因子查核結果之一

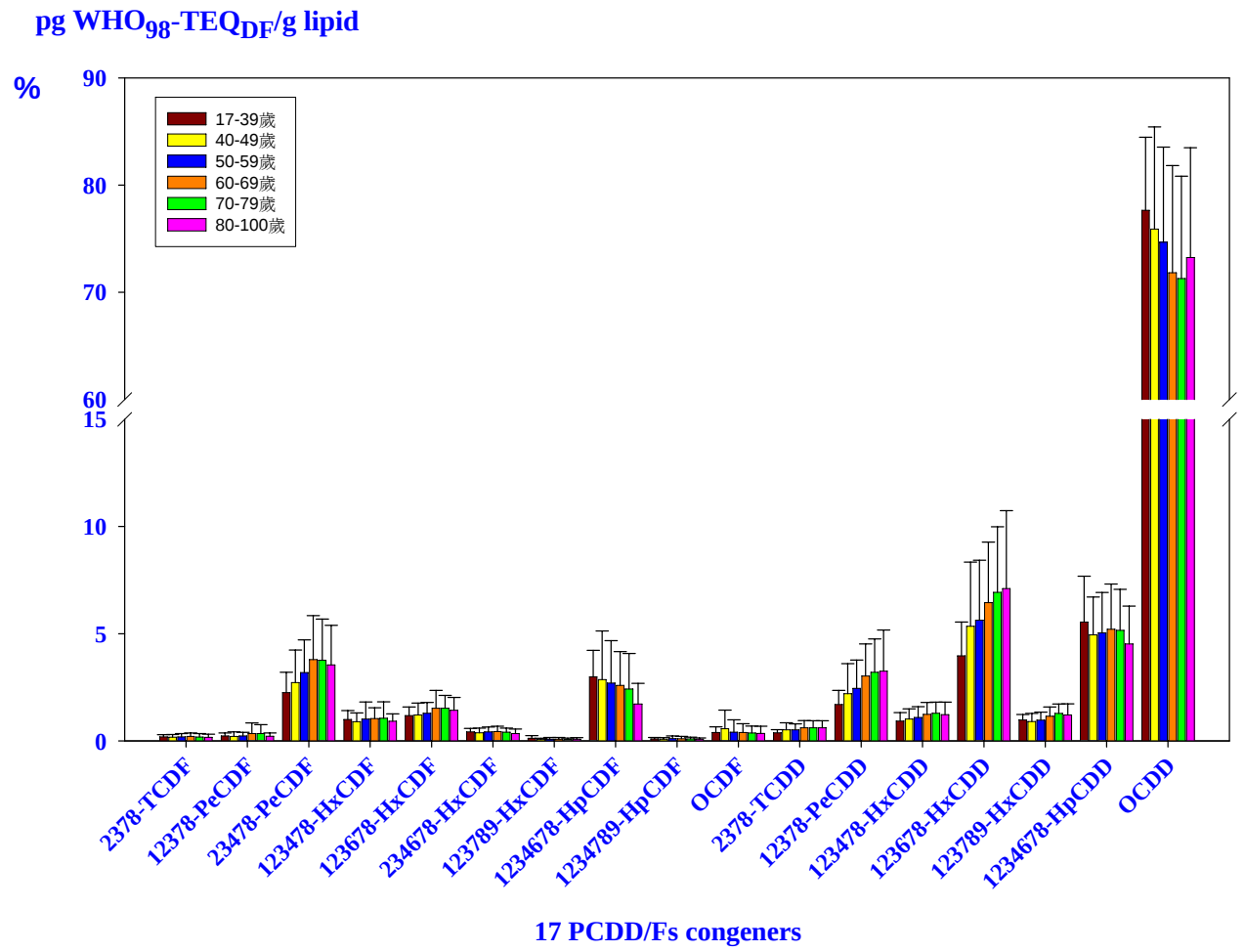


圖4-1-1 不同年齡層血液戴奧辛原始濃度比例之比較