

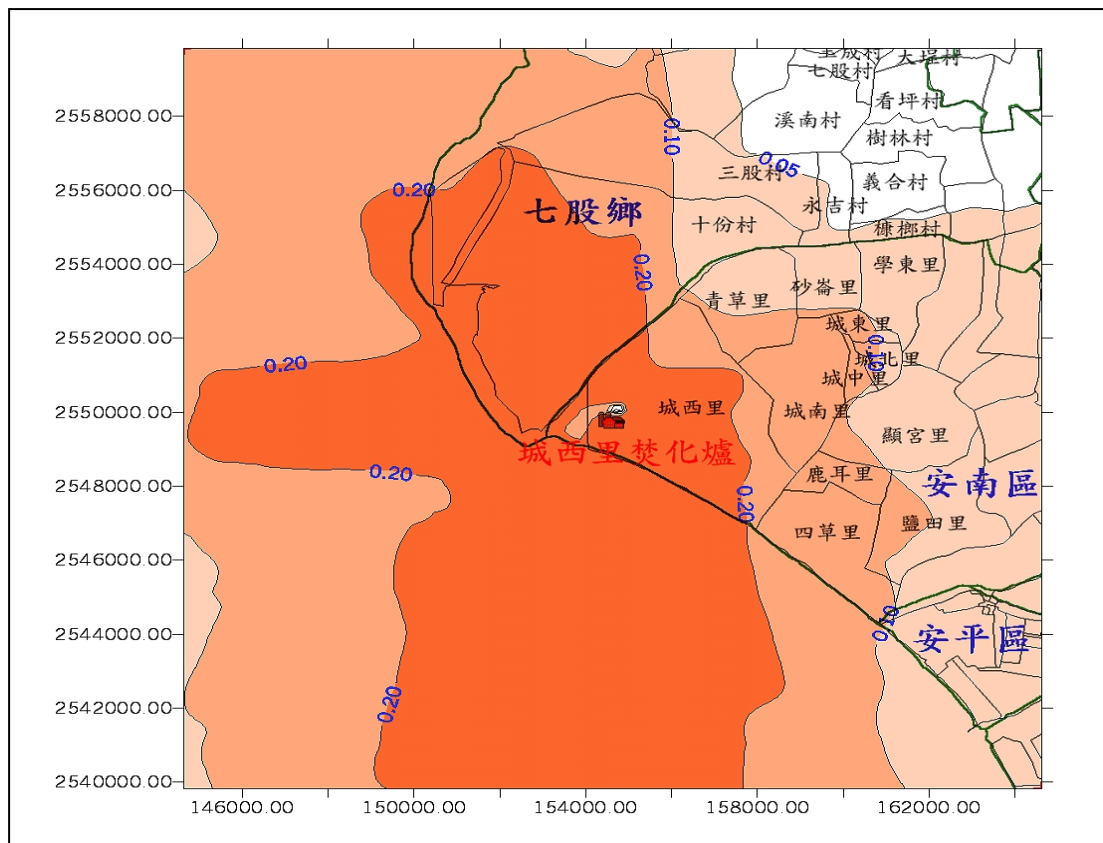


圖 1-1-1 台南市城西里垃圾焚化爐空氣中戴奧辛毒性當量濃度
(fg I-TEQ/Nm³)的擴散模擬圖

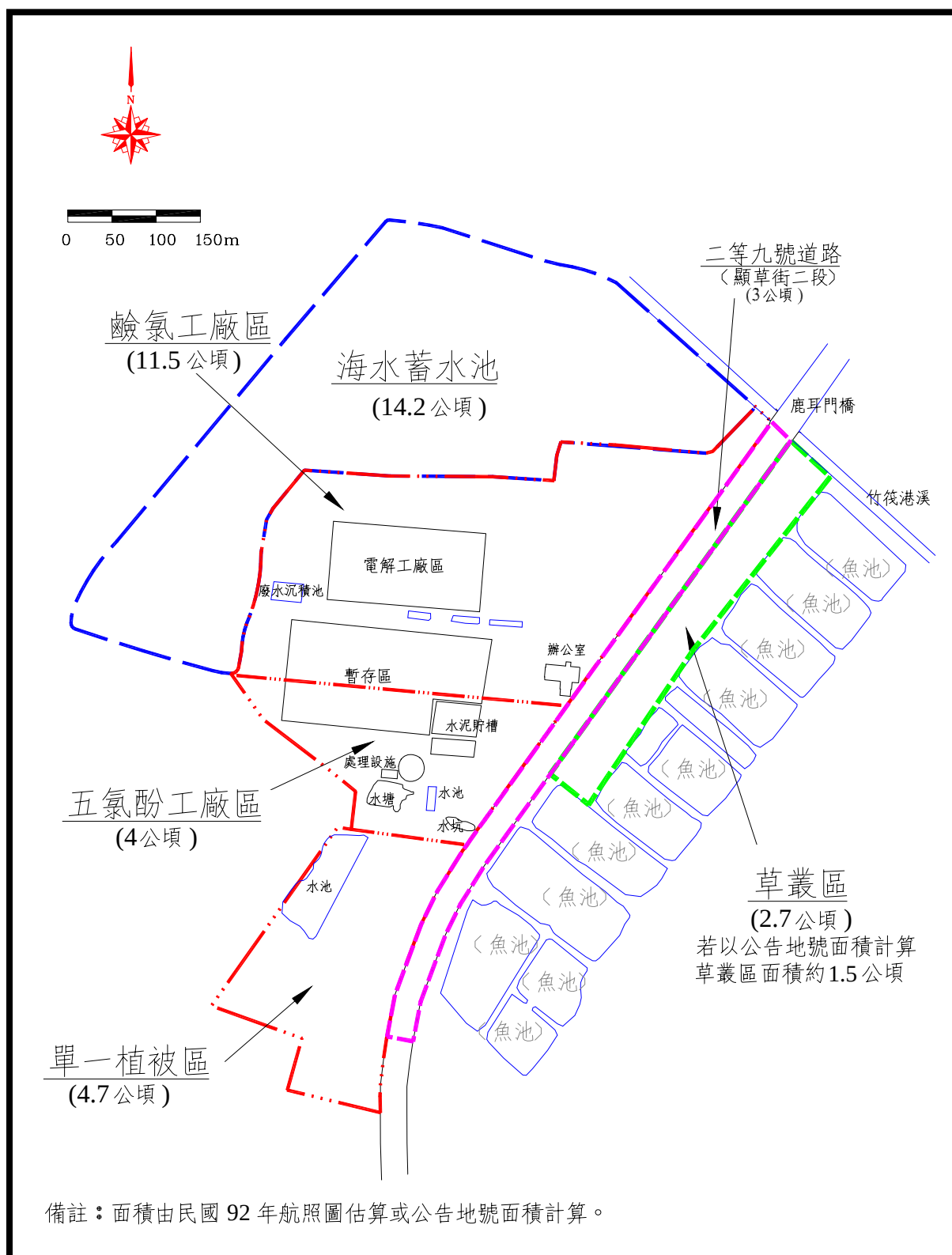


圖1-1-2場址已公告污染範圍分區示意圖

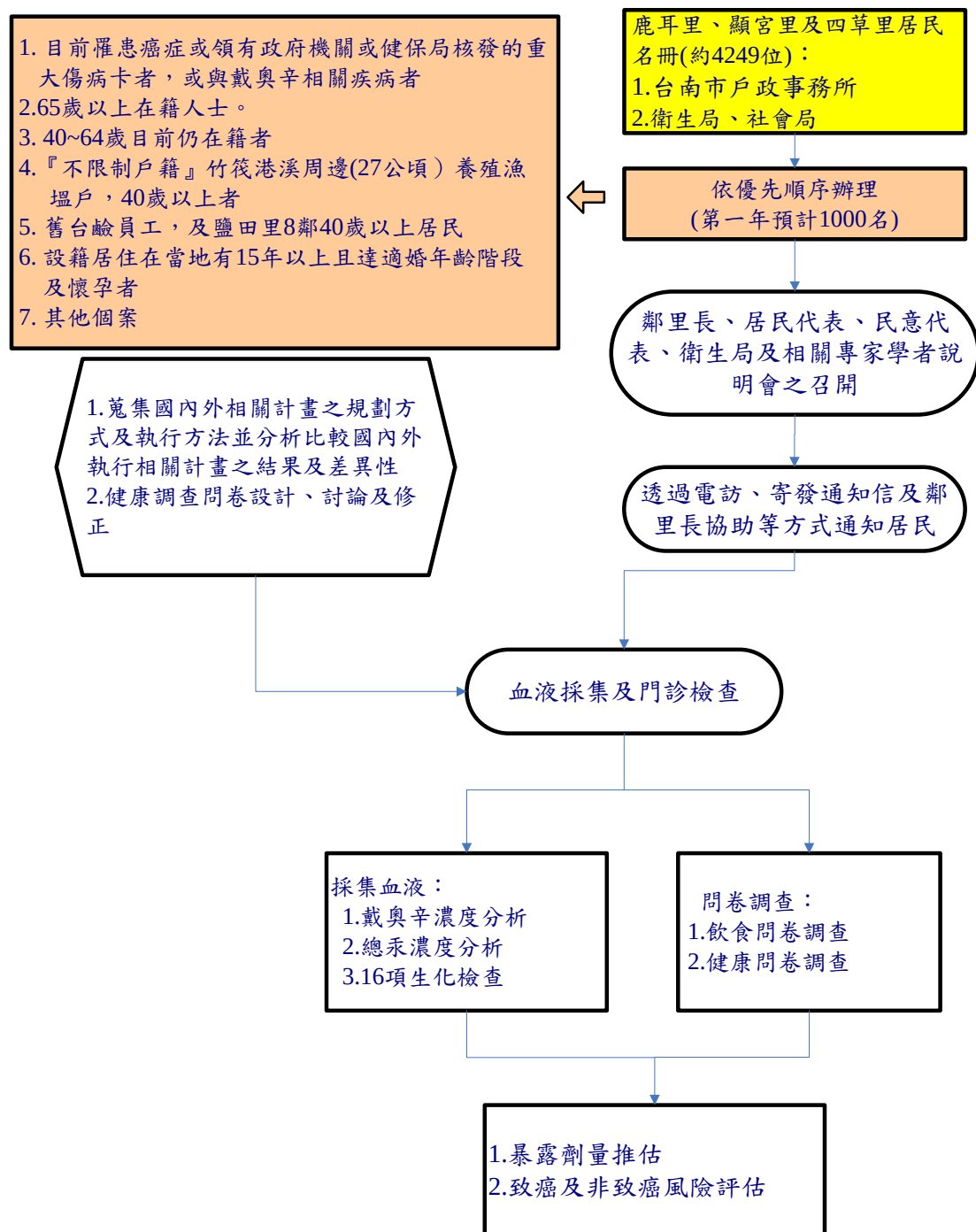
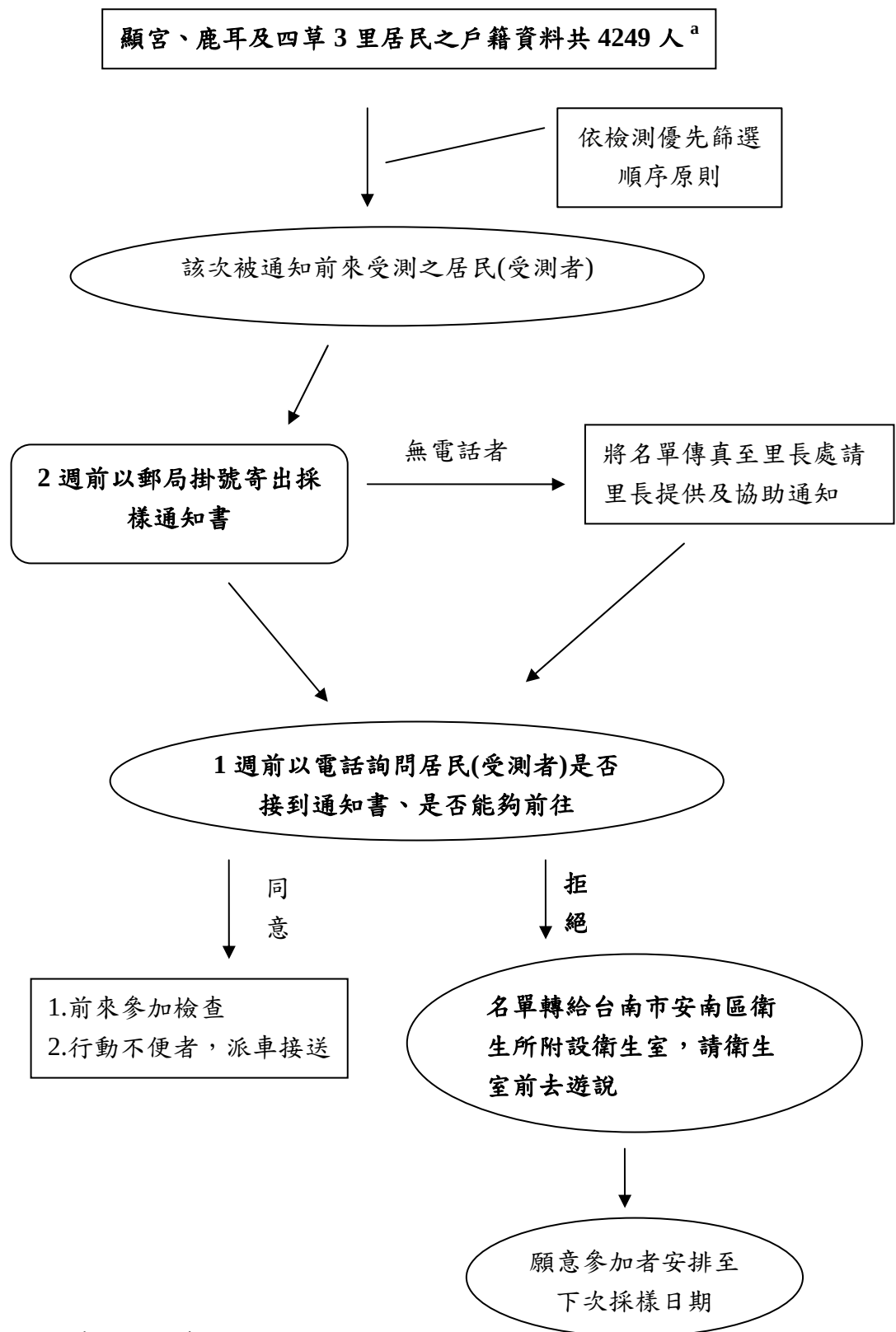


圖3-1-1 本計劃研究架構



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

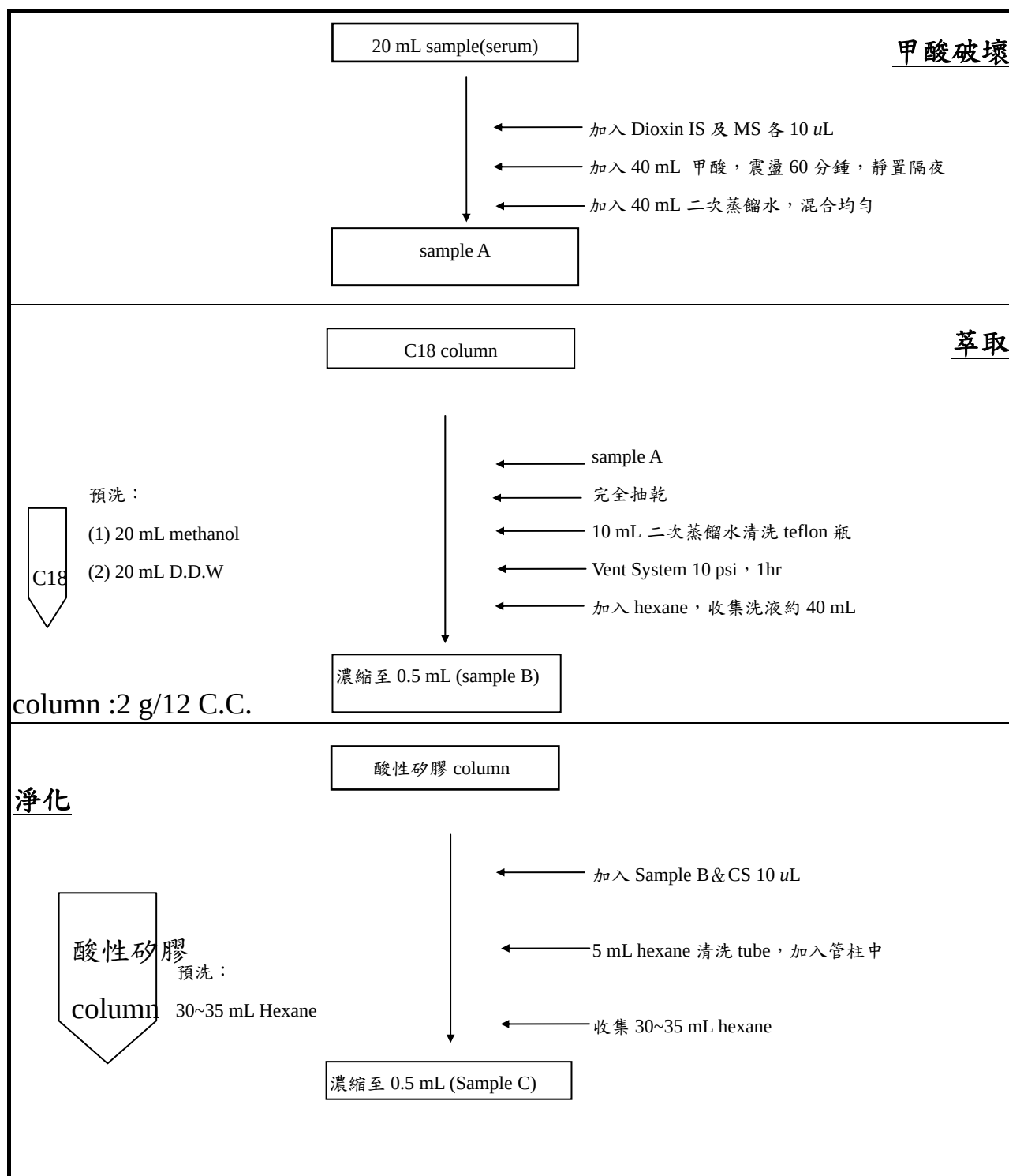


圖3-4-2 本研究計畫血液前處理流程圖

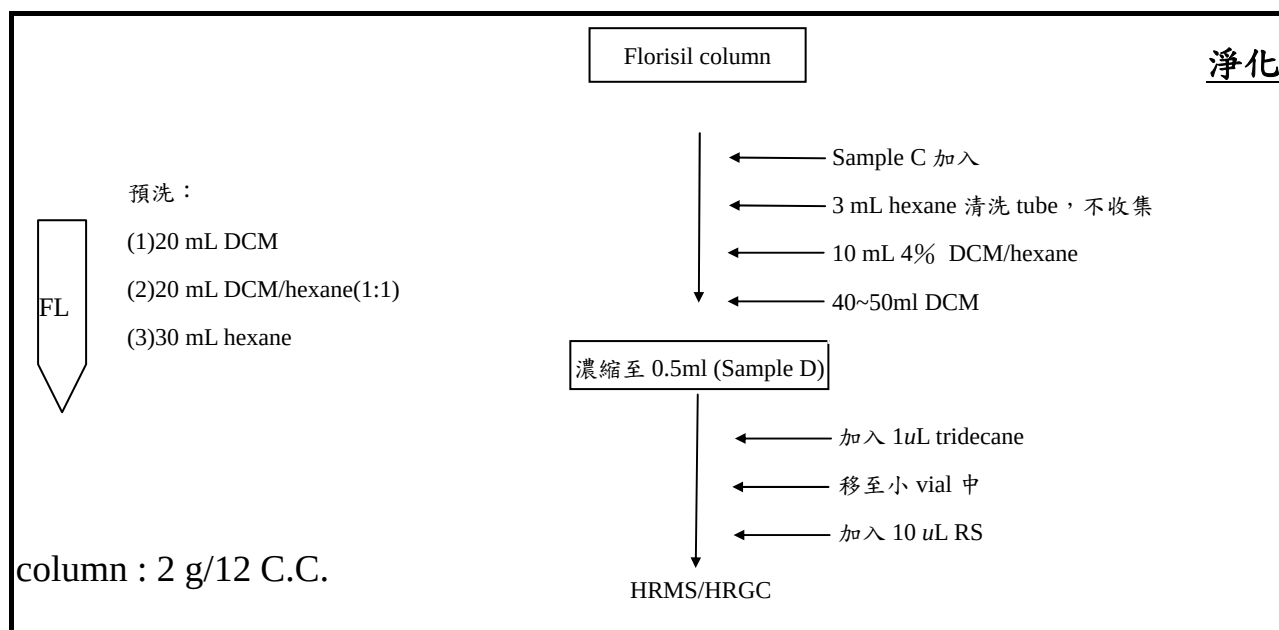


圖 3-4-2 本研究計畫血液前處理流程圖(續)

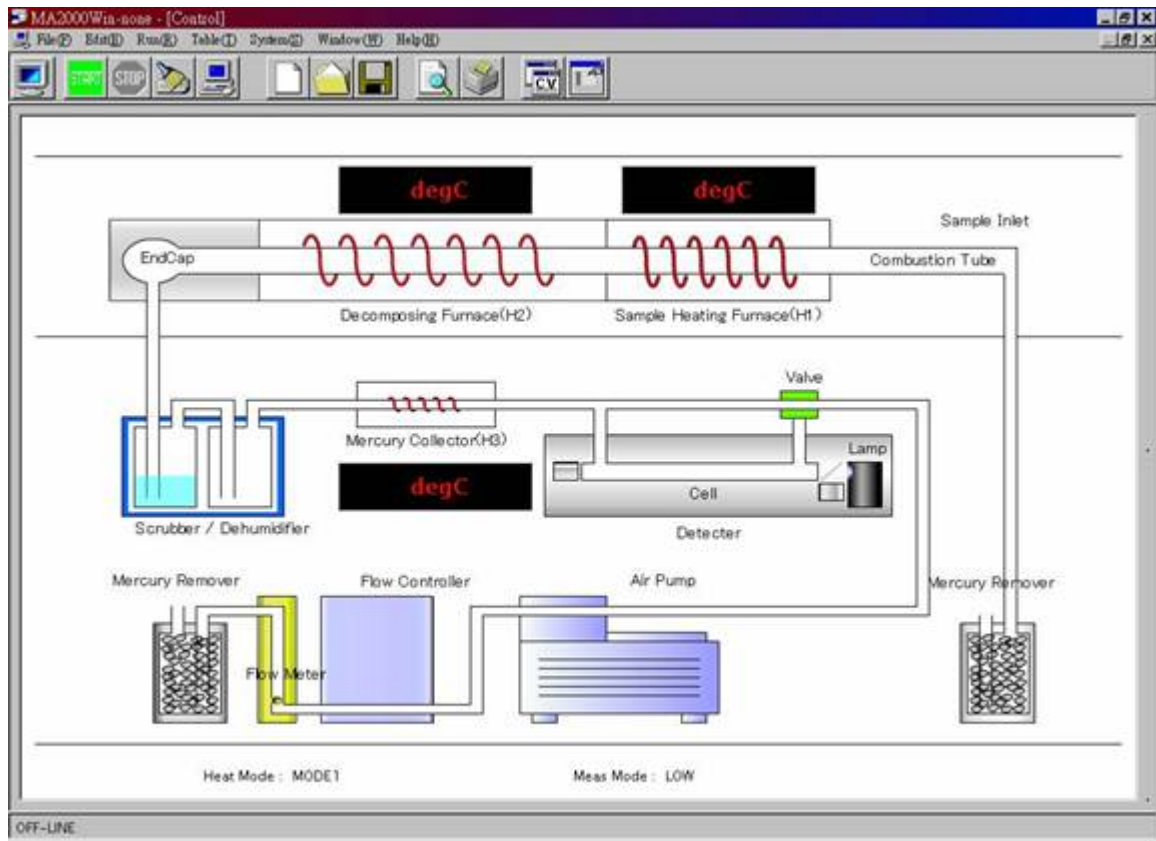


圖3-4-3 總汞分析儀元件配置圖

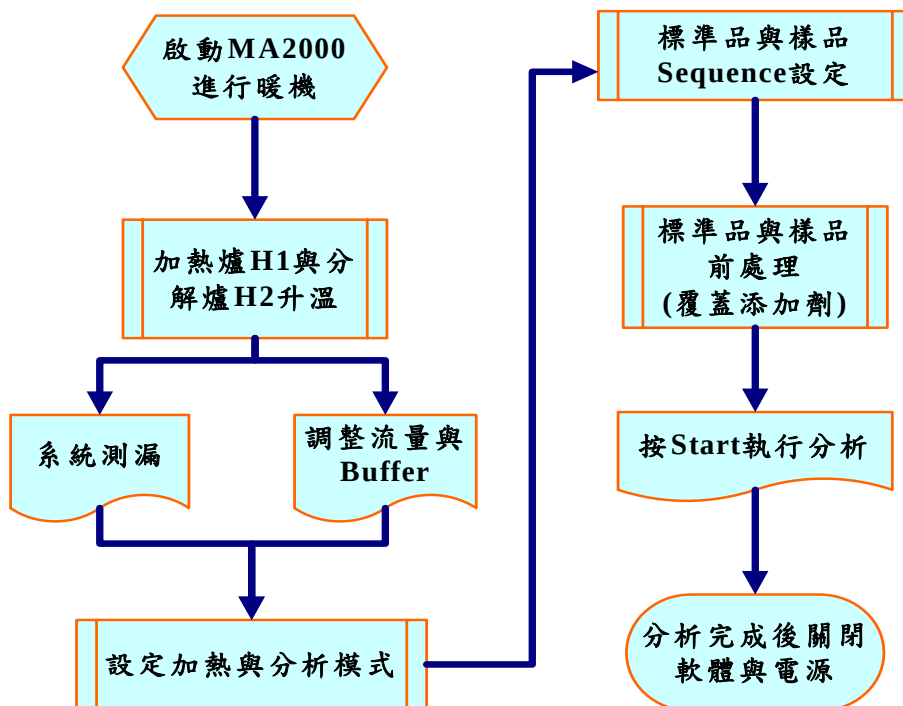


圖3-4-4 總汞分析儀操作流程

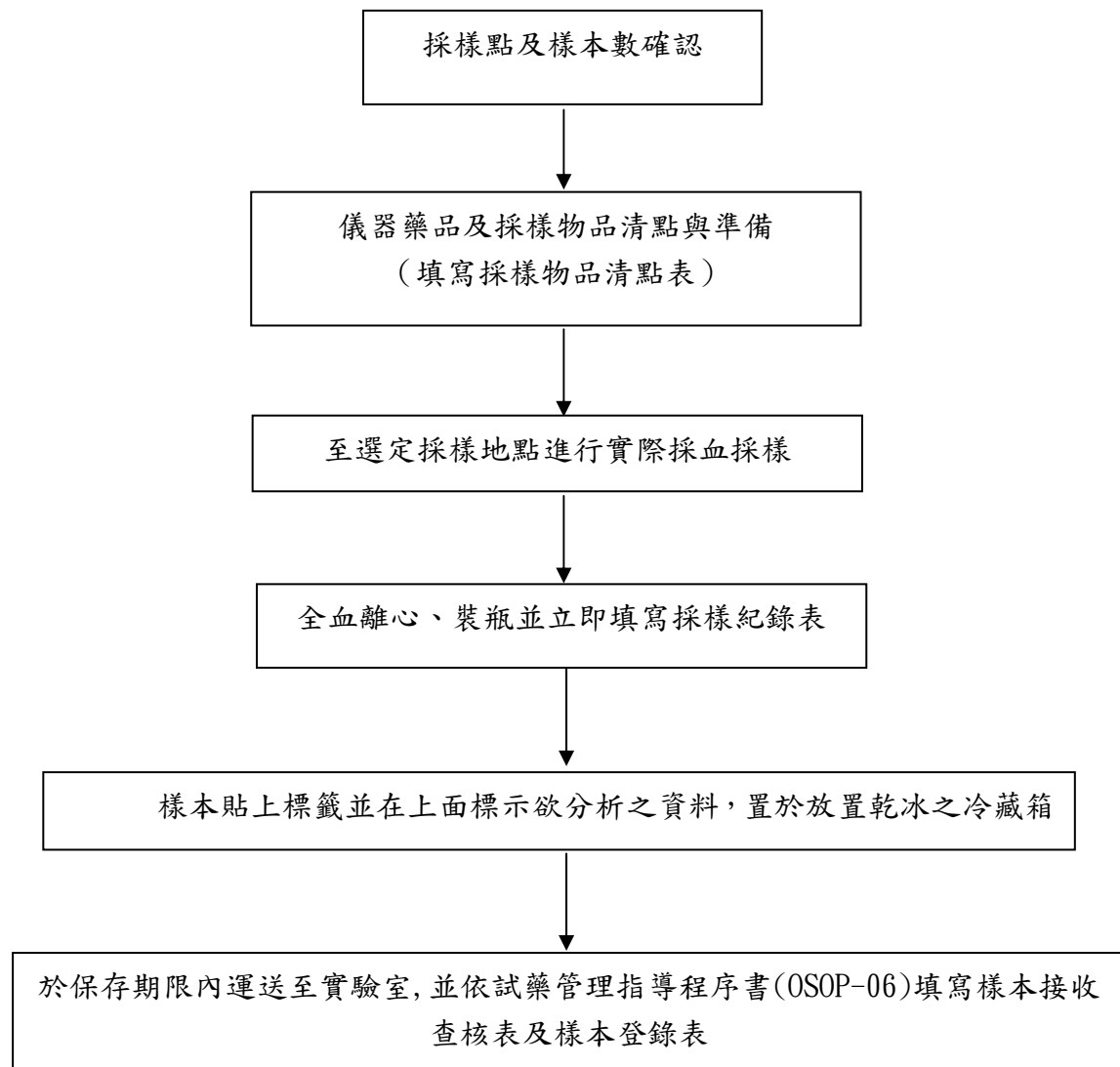


圖3-7-1 本研究計畫採樣作業圖表流程

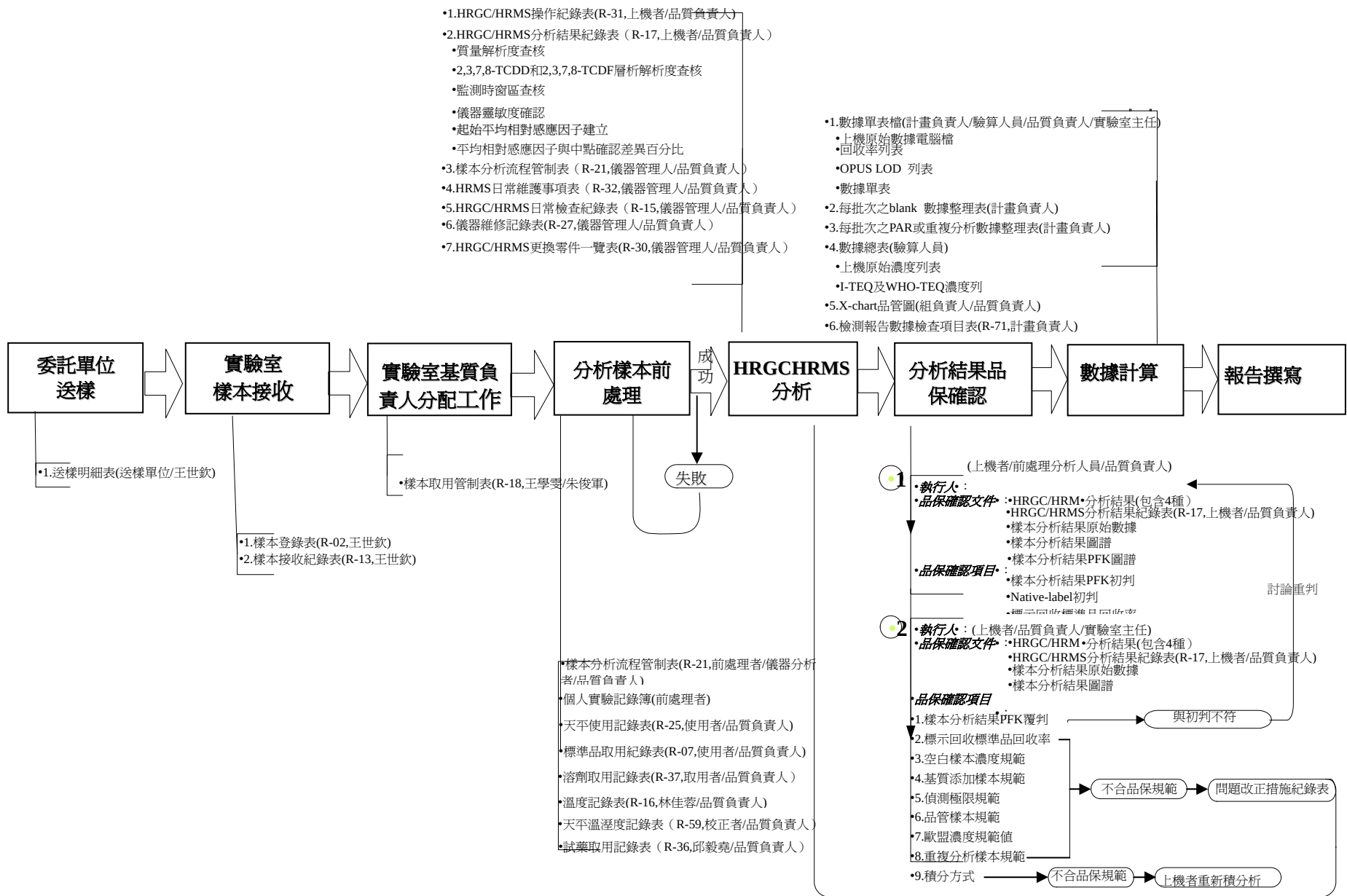


圖3-7-2 樣本檢驗品保流程圖

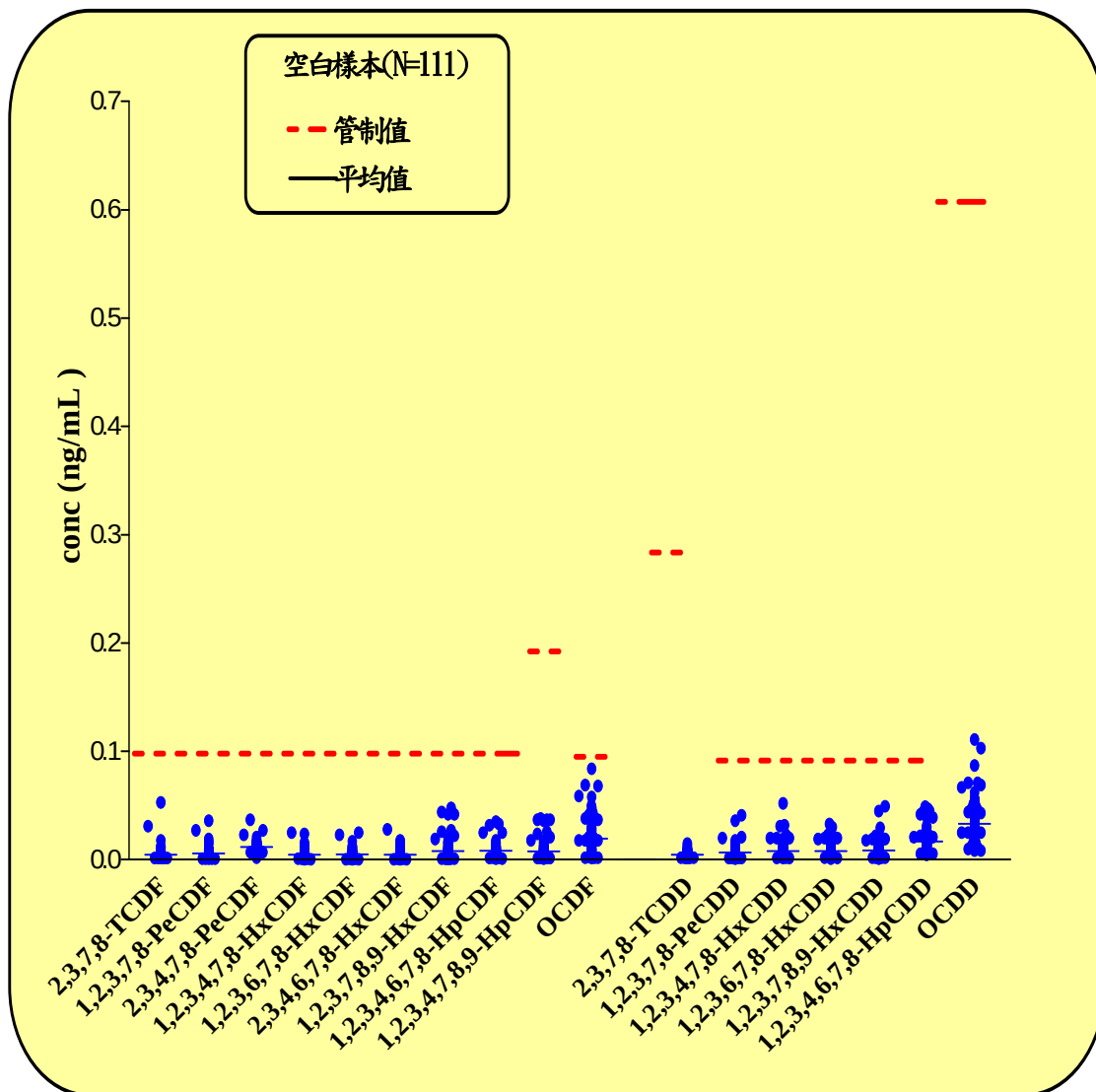


圖3-7-3 本計畫空白樣本原始上機濃度17種戴奧辛/呋喃同源物管制結果

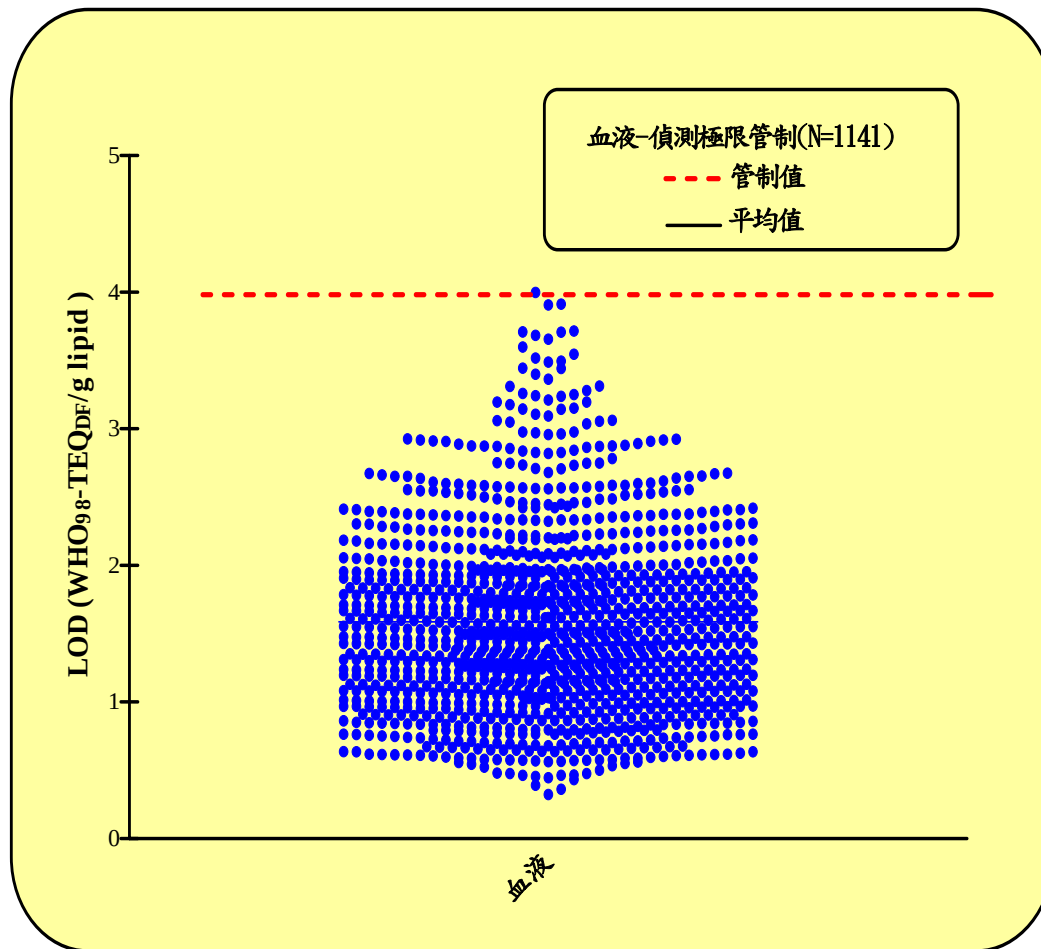


圖3-7-4 本計畫17種戴奧辛/呋喃同源物偵測極限總毒性當量濃度管制結果

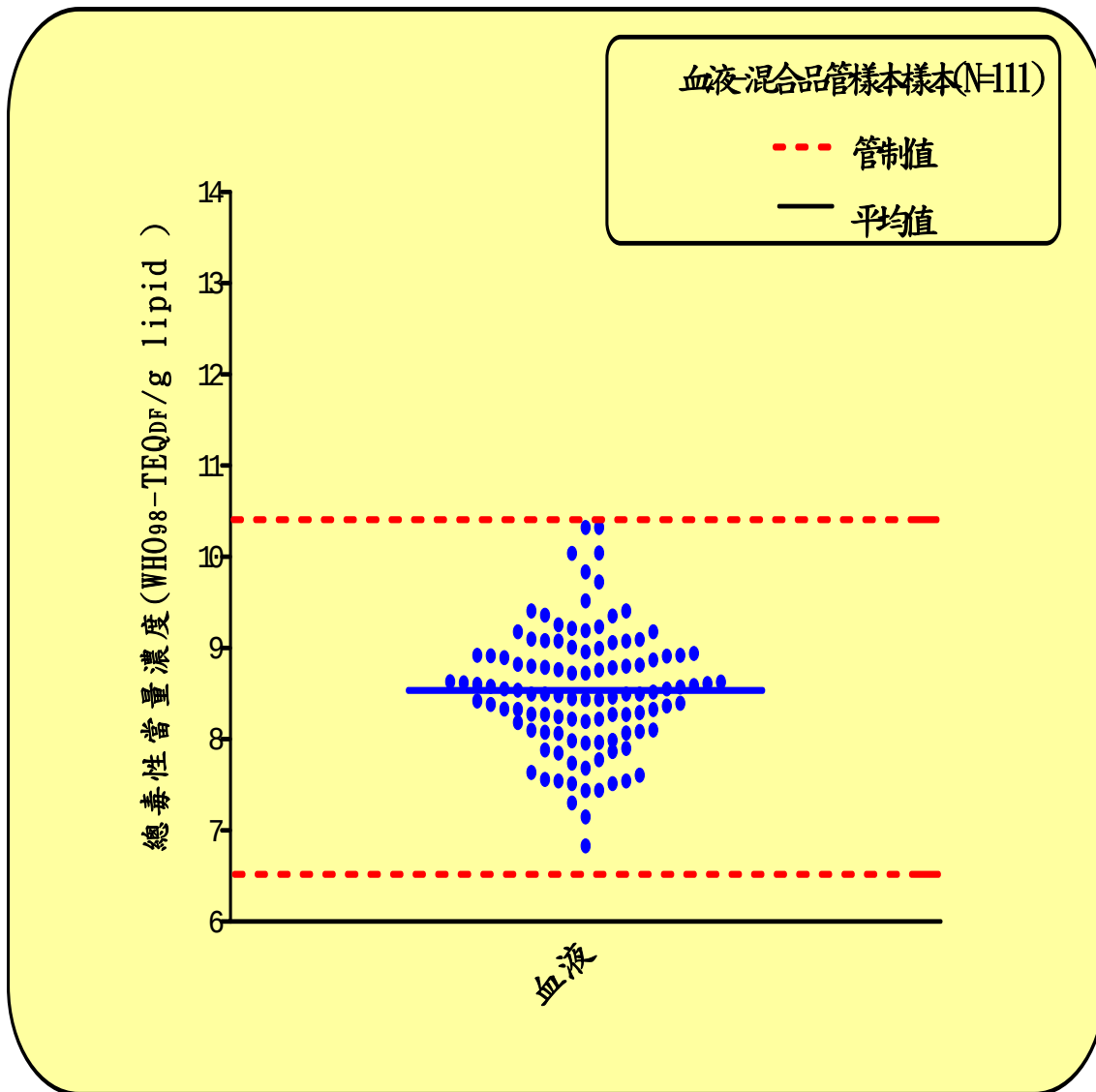


圖3-7-5 本計畫混合血清17種戴奧辛/呋喃同源物總毒性當量濃度

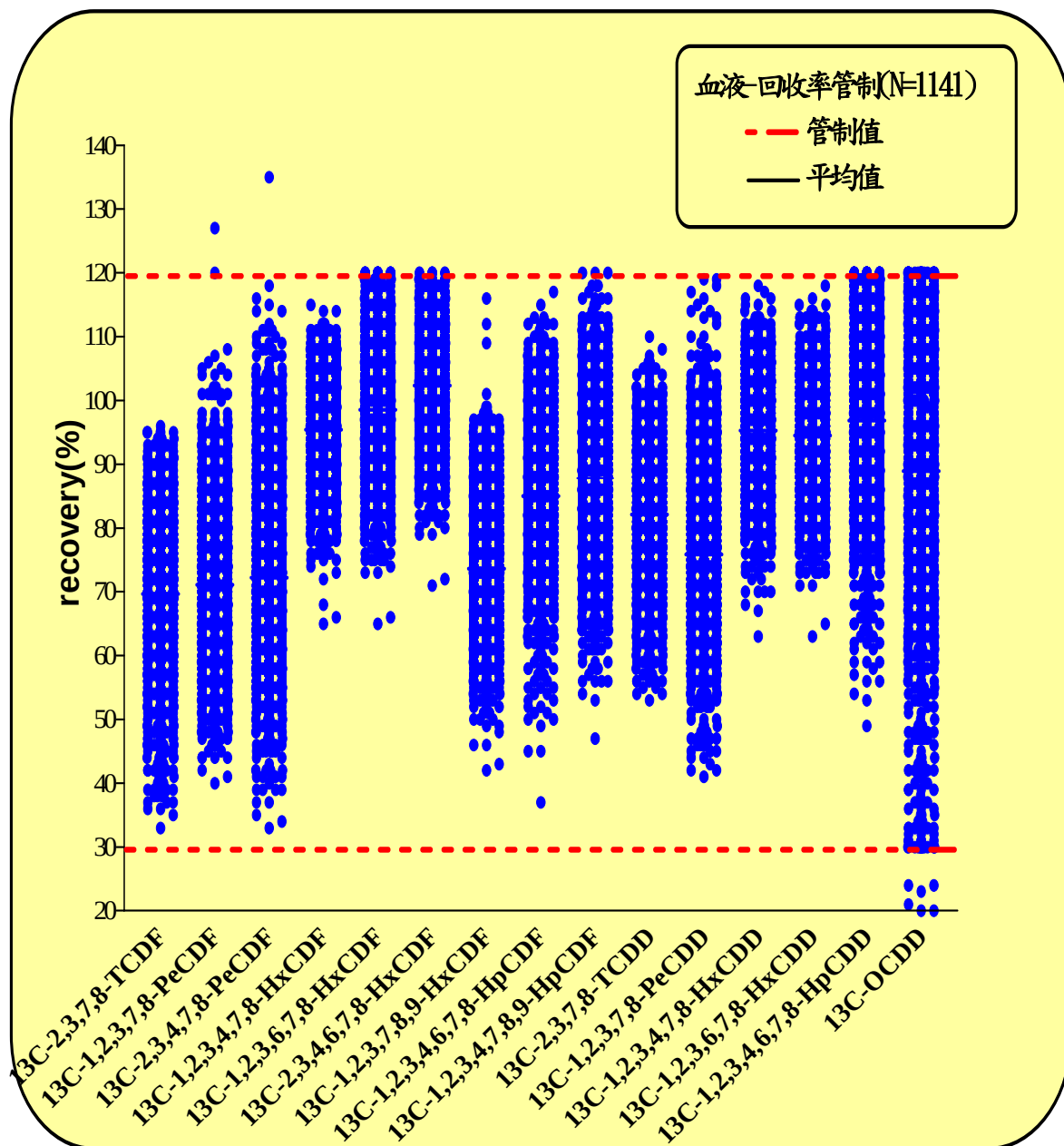


圖3-7-6 本計畫樣本分析17種戴奧辛/呋喃同源物同位素標記標準品

回收率管制結果

WD
29-Dec-2006
18:10:08

A5C29-1S016

17

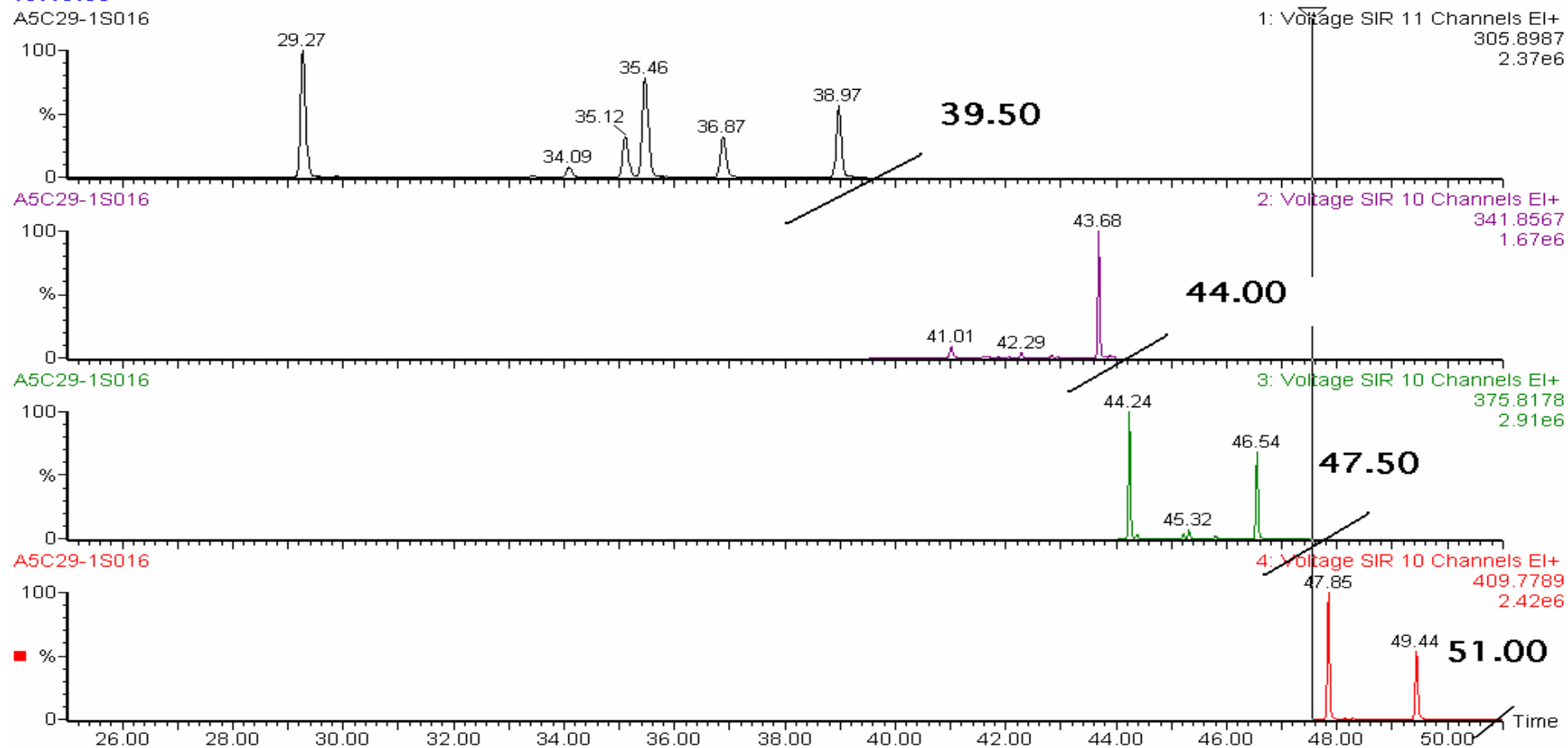


圖3-7-7 本計畫十七種多氯戴奧辛/呋喃同源物監測時窗區查核執行結果之一

M1613 CS03
27-Dec-2006
22:17:10
A5C27-1S001

3

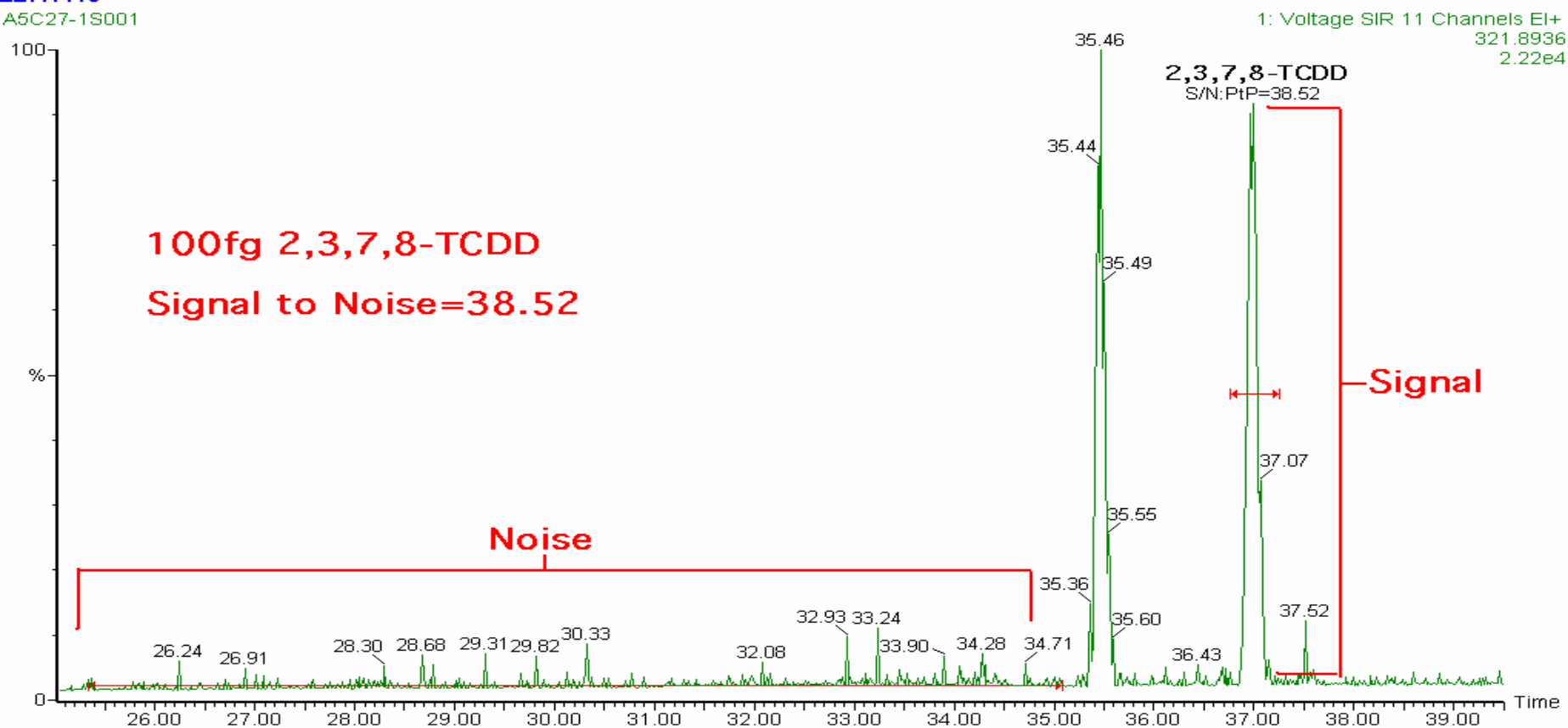


圖3-7-8 本計畫十七種多氯戴奧辛/呋喃同源物儀器靈敏度確認結果之一

WD
01-Jan-2007
12:26:45
A5C31-2S015

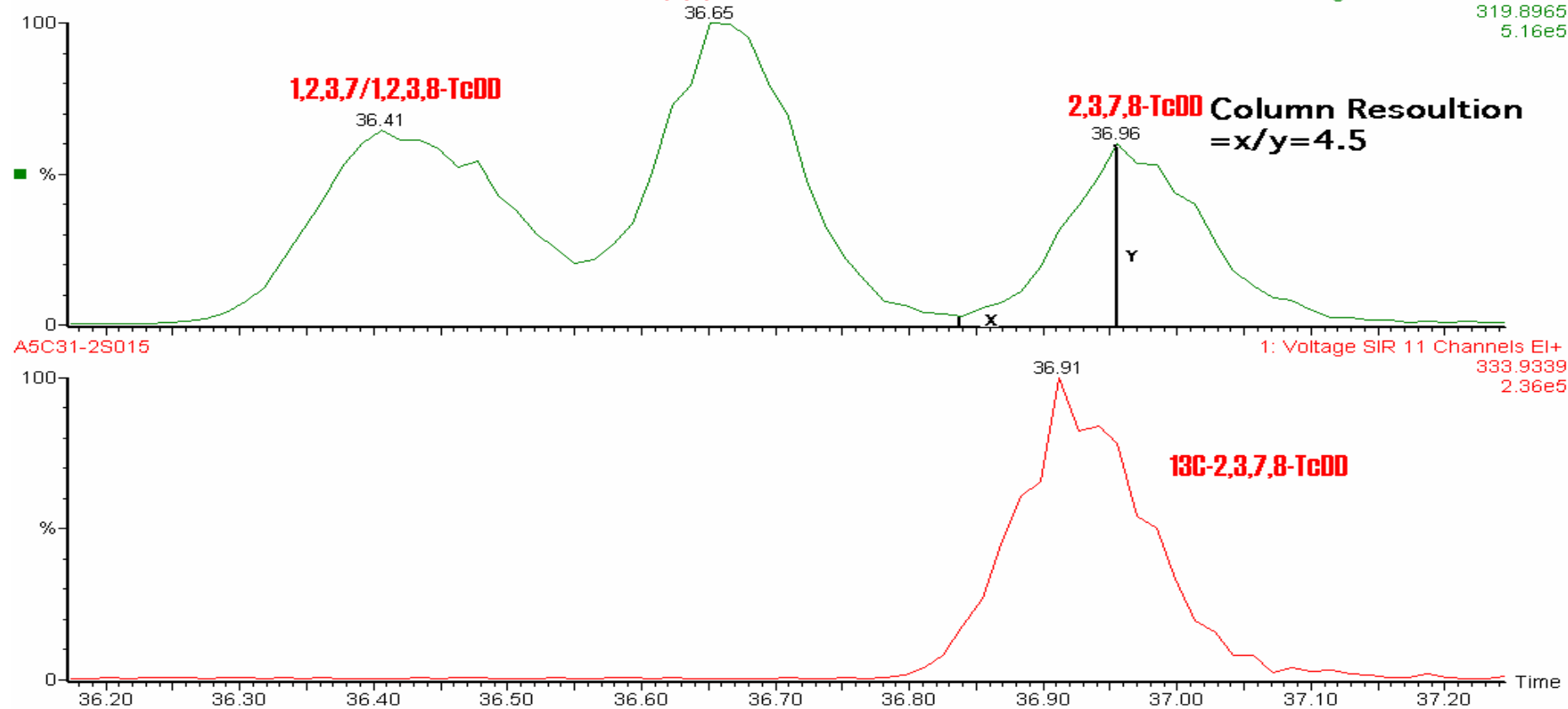


圖3-7-9 本計畫十七種多氯戴奧辛/呋喃同源物層析解析度執行結果之一

WD
01-Jan-2007
12:26:45
A5C31-2S015

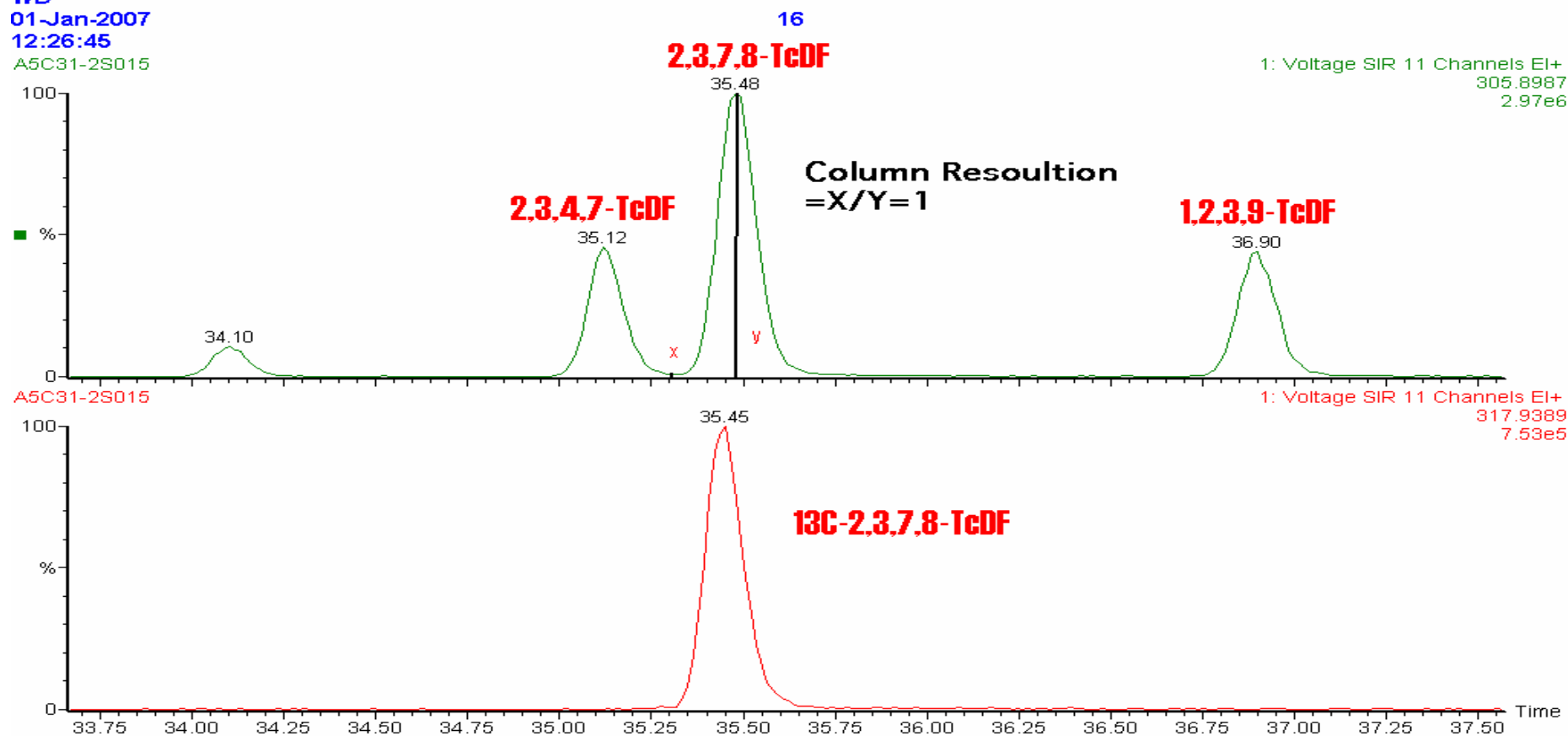


圖3-7-10 本計畫十七種多氯戴奧辛/呋喃同源物層析解析度執行結果之一

Sample Name: A5C27-1S001 Sample ID: DIOXIN CS03

Acq.Date: 27-Dec-06

Method: D:\MASSL\YNX\PROJECT\M1613\A5C27-1.PRO\MethDB\WIEA.M1613A5C27-1MDB

Sample List: D:\MASSL\YNX\PROJECT\M1613\A5C27-1.PRO\SampleDB\A5C27-1.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	7020.336	0.80	YES	35.51	0.95	bd	0.993	3.39	157.692	160.767
2	Unk	1,2,3,7,8-PeCDF	0.25	34953.652	1.60	YES	42.07	1.02	bb	1.050	3.57	1510.001	602.014
3	Unk	2,3,4,7,8-PeCDF	0.25	28702.263	1.70	YES	42.94	0.97	bb	1.035	4.84	1416.195	516.907
4	Unk	1,2,3,4,7,8-HxCDF	0.25	25836.2	1.30	YES	45.24	1.19	bd	1.233	2.70	905.124	1008.597
5	Unk	1,2,3,6,7,8-HxCDF	0.25	27278.517	1.40	YES	45.33	1.12	dd	1.185	3.52	975.915	1051.792
6	Unk	2,3,4,6,7,8-HxCDF	0.25	24397.439	1.20	YES	45.81	1.16	bd	1.238	4.32	840.106	909.891
7	Unk	1,2,3,7,8,9-HxCDF	0.25	23745.615	1.30	YES	46.54	1.09	bd	1.130	3.07	761.418	845.078
8	Unk	1,2,3,4,6,7,8-HpCDF	0.25	23560.269	1.00	YES	47.87	1.28	bb	1.349	3.75	1190.447	1451.798
9	Unk	1,2,3,4,7,8,9-HpCDF	0.25	17568.489	1.00	YES	49.46	1.22	bb	1.245	2.66	786.393	940.761
10	Unk	OCDF	0.5	23056.961	0.90	YES	52.45	1.16	bd	1.210	4.57	432.356	739.751
11	Unk	2,3,7,8-TCDD	0.05	4544.114	0.80	YES	36.97	0.93	bb	0.917	1.31	122.335	152.262
12	Unk	1,2,3,7,8-PeCDD	0.25	16380.626	1.70	YES	43.20	0.92	bb	0.968	3.21	620.119	509.199
13	Unk	1,2,3,4,7,8-HxCDD	0.25	14704.501	1.30	YES	45.94	0.89	bd	0.891	2.42	323.115	222.399
14	Unk	1,2,3,6,7,8-HxCDD	0.25	14944.562	1.30	YES	46.02	0.84	db	0.880	3.18	353.197	245.474
15	Unk	1,2,3,7,8,9-HxCDD	0.25	15041.421	1.30	YES	46.25	0.88	bb	0.929	3.72	342.405	224.2
16	Unk	1,2,3,4,6,7,8-HpCDD	0.25	13840.729	1.10	YES	48.90	1.07	bb	1.097	3.17	320.525	703.158
17	Unk	OCDD	0.5	20462.228	0.90	YES	52.21	1.03	dd	1.044	3.73	926.429	880.553
18	IS/RT	13C-2,3,7,8-TCDF	50	7416660	0.80	YES	35.47	1.58	bb	1.605	1.15	6695.593	13287.58
19	IS	13C-1,2,3,7,8-PeCDF	50	6881508.25	1.60	YES	42.05	1.47	bb	1.532	3.12	14151.42	16413.7
20	IS	13C-2,3,4,7,8-PeCDF	50	5891840	1.60	YES	42.93	1.26	bb	1.286	2.89	14614.22	15459.3
21	IS	13C-1,2,3,4,7,8-HxCDF	50	4334796.375	0.50	YES	45.22	1.27	bd	1.275	1.96	5484.877	6167.246
22	IS	13C-1,2,3,6,7,8-HxCDF	50	4892045.5	0.50	YES	45.32	1.44	dd	1.450	1.54	5974.456	6838.345
23	IS	13C-2,3,4,6,7,8-HxCDF	50	4208117	0.50	YES	45.80	1.24	bb	1.238	2.26	5158.74	5903.39
24	IS	13C-1,2,3,7,8,9-HxCDF	50	4342970.5	0.50	YES	46.53	1.28	bb	1.320	3.04	4843.34	5393.797
25	IS	13C-1,2,3,4,6,7,8-HpCDF	50	3675761.5	0.40	YES	47.85	1.08	bb	1.106	2.24	8088.486	12767.02
26	IS	13C-1,2,3,4,7,8,9-HpCDF	50	2891735	0.50	YES	49.44	0.85	bb	0.865	1.48	5455.393	8312.932
27	IS	13C-2,3,7,8-TCDD	50	4862628.75	0.80	YES	36.96	1.04	bb	1.048	1.95	5877.04	10643.95
28	IS	13C-1,2,3,7,8-PeCDD	50	3573090.875	1.50	YES	43.19	0.76	bb	0.784	2.61	27549.91	10421.62
29	IS	13C-1,2,3,4,7,8-HxCDD	50	3317093.625	1.30	YES	45.92	0.97	bd	0.972	1.58	12600.82	9107.089
30	IS	13C-1,2,3,6,7,8-HxCDD	50	3547522.5	1.30	YES	46.00	1.04	db	1.048	1.20	13567.23	9946.08
31	IS	13C-1,2,3,4,6,7,8-HpCDD	50	2587998.5	1.10	YES	48.89	0.76	bb	0.769	1.98	6044.578	5911.864
32	IS	13C-OCDD	100	3966822.25	0.90	YES	52.20	0.58	bb	0.590	3.95	45745.89	34627.97
33	RS	13C-1,2,3,4-TCDD	50	4687015.625	0.80	YES	35.80	93740.31	bb	96321.563	7.69	6098.477	10157.23
34	RS/RT	13C-1,2,3,7,8,9-HxCDD	50	3405704.625	1.30	YES	46.23	68114.09	bd	70090.700	7.54	12269.93	8796.237
35	C/UP	37Cl-2,3,7,8-TCDD	0.05	4616.472	0.00		36.97	0.99	bb	1.042	8.50	37.27	

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: A5C31-28001 Sample ID: M1613 VER

Acq.Date 31-Dec-06

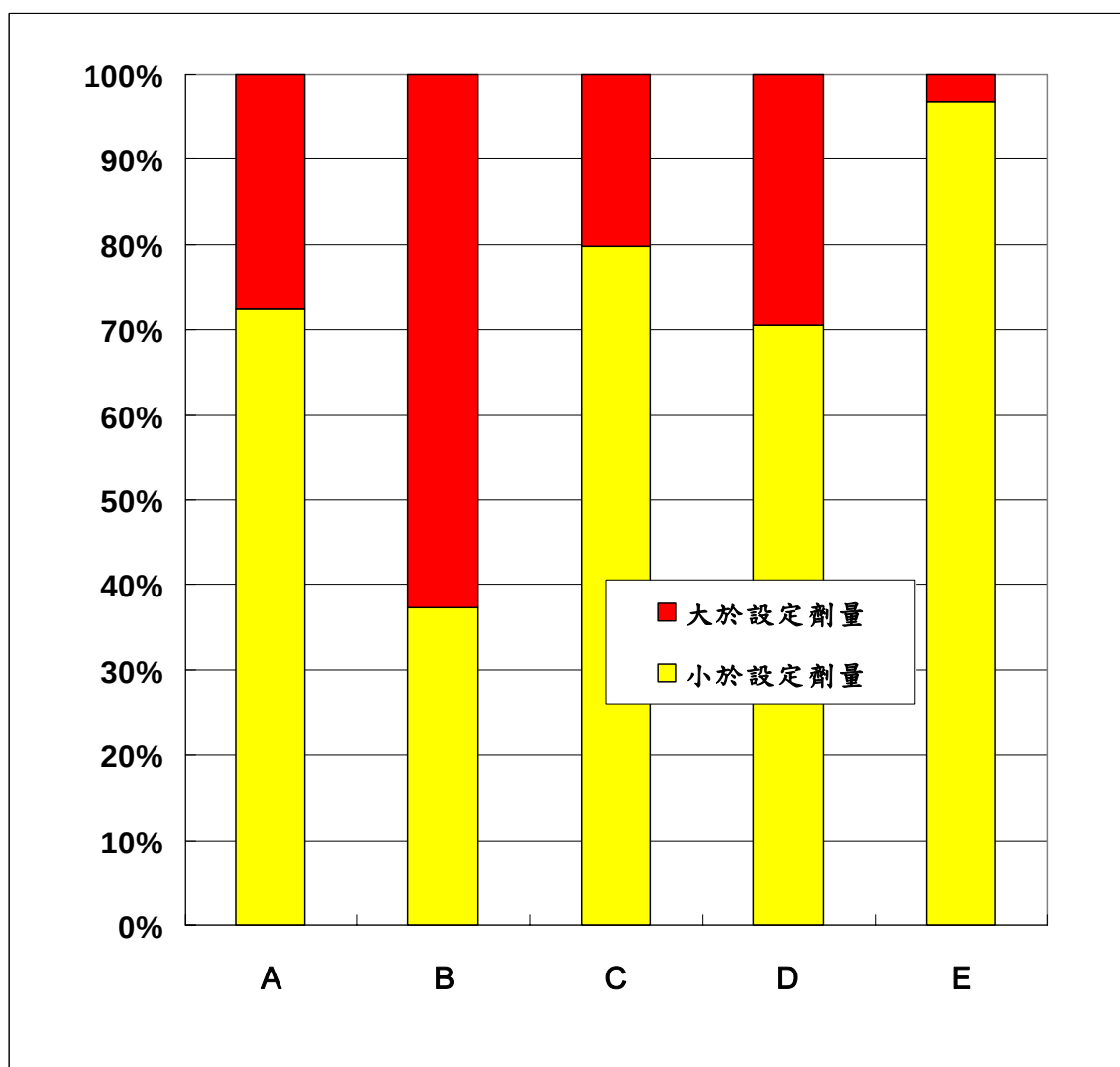
Method: D:\MASSLYN\X\PROJECT\M1613\A5C27-1\PRO\MethDB\NIEA_M1613A5C27-1\MDB

Sample List: D:\MASSLYN\X\PROJECT\M1613\A5C27-1\PRO\SampleDB\A5C31-2\RSL

Cal D:\MASSLYN\X\PROJECT\M1613\A5C27-1\PRO\SampleDB\A5C27-1\CAL

Cal	Type	Name	Area	RA	Ratio Flag	RT	RRF	RRF Mean	Different%	Range	Mod	S/N	Sec. S/N	native-label rt
1	Unk	2,3,7,8-TCDF	30898.74	0.76	YES	35.49	1.168	0.993	18%	20%	bd	720.55	533.43	-0.04
2	Unk	1,2,3,7,8-PeCDF	157591.02	1.62	YES	42.05	1.089	1.050	4%	20%	dd	5174.11	2547.32	-0.01
3	Unk	2,3,4,7,8-PeCDF	168872.44	1.65	YES	42.94	1.112	1.035	7%	20%	bd	6156.43	2890.27	-0.01
4	Unk	1,2,3,4,7,8-HxCDF	160461.13	1.25	YES	45.22	1.258	1.233	2%	20%	bd	2783.94	3920.67	-0.01
5	Unk	1,2,3,6,7,8-HxCDF	169668.77	1.28	YES	45.33	1.173	1.185	-1%	20%	db	2795.25	3901.05	-0.01
6	Unk	2,3,4,6,7,8-HxCDF	156830.88	1.28	YES	45.80	1.143	1.238	-8%	20%	bd	2680.51	3688.96	-0.01
7	Unk	1,2,3,7,8,9-HxCDF	132976.96	1.24	YES	46.53	1.141	1.130	1%	20%	bb	2155.63	2972.95	-0.01
8	Unk	1,2,3,4,6,7,8-HpCDF	158212.49	1.08	YES	47.85	1.397	1.349	4%	20%	bb	3450.32	2735.48	-0.01
9	Unk	1,2,3,4,7,8,9-HpCDF	124593.23	1.04	YES	49.46	1.297	1.245	4%	20%	bb	2413.51	1900.88	-0.02
10	Unk	OCDF	190423.32	0.91	YES	52.44	1.301	1.210	8%	20%	dd	4162.01	4650.77	
11	Unk	2,3,7,8-TCDD	18164.10	0.80	YES	36.97	0.973	0.917	6%	20%	bb	477.24	537.98	-0.03
12	Unk	1,2,3,7,8-PeCDD	91638.23	1.56	YES	43.18	1.042	0.968	8%	20%	dd	3522.15	1355.31	-0.01
13	Unk	1,2,3,4,7,8-HxCDD	90724.68	1.25	YES	45.92	0.938	0.891	5%	20%	bd	991.98	1104.07	-0.01
14	Unk	1,2,3,6,7,8-HxCDD	104172.65	1.27	YES	46.00	0.944	0.880	7%	20%	db	1064.54	1222.95	-0.01
15	Unk	1,2,3,7,8,9-HxCDD	98444.44	1.25	YES	46.23	0.951	0.929	2%	20%	bb	967.26	1124.66	0.00
16	Unk	1,2,3,4,6,7,8-HpCDD	96884.66	1.06	YES	48.89	1.125	1.097	3%	20%	bb	1957.03	1949.51	-0.01
17	Unk	OCDD	166714.73	0.87	YES	52.20	1.139	1.044	9%	20%	bb	3184.97	2974.17	-0.02
18	IS/RT	13C-2,3,7,8-TCDF	5290319.00	0.79	YES	35.45	1.358	1.605	-15%	25%	bb	6180.95	11148.68	
19	IS	13C-1,2,3,7,8-PeCDF	5790050.25	1.61	YES	42.04	1.486	1.532	-3%	25%	bb	13133.68	10839.19	
20	IS	13C-2,3,4,7,8-PeCDF	6074932.50	1.58	YES	42.93	1.559	1.286	21%	25%	bb	15256.63	12834.86	
21	IS	13C-1,2,3,4,7,8-HxCDF	5101716.75	0.53	YES	45.21	1.242	1.275	-3%	25%	bd	5685.05	9422.29	
22	IS	13C-1,2,3,6,7,8-HxCDF	5784088.75	0.54	YES	45.32	1.409	1.460	-3%	25%	dd	5975.38	9815.08	
23	IS	13C-2,3,4,6,7,8-HxCDF	5486062.38	0.53	YES	45.79	1.336	1.238	8%	25%	bb	6212.39	9953.09	
24	IS	13C-1,2,3,7,8,9-HxCDF	4659876.13	0.53	YES	46.52	1.135	1.320	-14%	25%	bb	4768.46	7826.65	
25	IS	13C-1,2,3,4,6,7,8-HpCDF	4529785.75	0.45	YES	47.84	1.103	1.106	0%	25%	bb	6301.29	10116.65	
26	IS	13C-1,2,3,4,7,8,9-HpCDF	3841201.25	0.45	YES	49.44	0.935	0.865	8%	25%	bb	4531.02	7429.45	
27	IS	13C-2,3,7,8-TCDD	3735422.75	0.78	YES	36.94	0.959	1.048	-8%	25%	bb	4888.79	6666.82	
28	IS	13C-1,2,3,7,8-PeCDD	3518096.50	1.59	YES	43.17	0.903	0.784	15%	25%	bb	17566.95	24279.81	
29	IS	13C-1,2,3,4,7,8-HxCDD	3867468.75	1.27	YES	45.91	0.942	0.972	-3%	25%	bd	10358.73	8189.14	
30	IS	13C-1,2,3,6,7,8-HxCDD	4415990.13	1.28	YES	45.99	1.075	1.048	3%	25%	db	11278.83	9097.42	
31	IS	13C-1,2,3,4,6,7,8-HpCDD	3445946.88	1.04	YES	48.88	0.839	0.769	9%	25%	bb	4928.31	5310.08	
32	IS	13C-OCDD	5855461.75	0.90	YES	52.18	0.713	0.590	21%	25%	bb	26249.28	41197.75	
33	RS	13C-1,2,3,4-TCDD	3896321.75	0.78	YES	35.78	77926.435	96321.563			bb	5418.36	7403.15	
34	RS/RT	13C-1,2,3,7,8,9-HxCDD	4106231.50	1.23	YES	46.22	82124.630	70090.700			bb	10231.02	8423.31	
35	C/UP	37C1-2,3,7,8-TCDD	20680.51			36.97	1.062	1.042	2%	25%	bb	1253.96		

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



	設定劑量 ¹	小於設定劑量		大於/等於設定劑量		總人數
		人數	比例	人數	比例	
A.市府建議值		728	72.4%	278	27.6%	1006
B.WHO 每日容許攝取量	4	376	37.4%	630	62.6%	1006
C.日本、加拿大建議可容忍劑量	10	802	79.7%	204	20.3%	1006
D.Steenland 致癌劑量	7.7	709	70.5%	297	29.5%	1006
E.US.EPA 致癌劑量	23	973	96.7%	33	3.3%	1006

¹:pg WHO₉₈-TEQ_{DF}/kg BW/day

圖4-2-1 本研究受測里民血液戴奧辛暴露劑量與各研究設定劑量之比較