

表.1 ダイオキシン類解析 組成 (沖縄市サッカー場土壌汚染等調査業務)

		塩化	内容物 No.1	内容物 No.2	内容物 No.3	内容物 No.4	内容物 No.5	内容物 No.6	内容物 No.7	内容物 No.8
			実測濃度 (pg/g)							
PCDDs	1,3,6,8-TeCDD	D4	120	95	6	6	82	11	8	6
	1,3,7,9-TeCDD		66	77	0	0	66	9	5	0
	2,3,7,8-TeCDD		10	280	830	0	4400	640	30	100
	1,2,3,7,8-PeCDD	D5	22	480	200	9	3900	190	13	17
	1,2,3,4,7,8-HxCDD	D6	23	28	9	9	23	11	11	10
	1,2,3,6,7,8-HxCDD		100	170	73	93	110	130	160	110
	1,2,3,7,8,9-HxCDD		55	46	19	34	46	26	23	22
	1,2,3,4,6,7,8-HpCDD	D7	2200	6400	1600	2800	2800	3700	6300	4600
	OCDD	D8	24000	52000	19000	29000	27000	40000	68000	54000
PCDFs	1,2,7,8-TeCDF	F4	200	9.3	10	5	24	9	4.5	5
	2,3,7,8-TeCDF		350	9.1	26	0	15	8	6	6
	1,2,3,7,8-PeCDF	F5								
	1,2,3,7,8+		530	22	9	19	12	18	25	17
	1,2,3,4,8-PeCDF									
	2,3,4,7,8-PeCDF		190	11	8	10	8	10	14	9
	2,3,4,7,8+	F6								
	1,2,3,6,9-PeCDF									
	1,2,3,4,7,8-HxCDF									
	1,2,3,4,7,8+		1300	73	28	52	33	59	92	57
	1,2,3,4,9-HxCDF									
	1,2,3,6,7,8-HxCDF		340	28	9	18	12	18	30	18
	1,2,3,7,8,9-HxCDF		0	0	0	0	0	0	6	0
	1,2,3,7,8,9+									
	1,2,3,4,8,9-HxCDF									
	2,3,4,6,7,8-HxCDF		88	21	0	15	11	14	23	20
	2,3,4,6,7,8+	F7								
	1,2,3,6,8,9-HxCDF									
	1,2,3,4,6,7,8-HpCDF		340	860	260	510	340	630	1100	630
	1,2,3,4,7,8,9-HpCDF	F8	27	75	26	51	26	57	100	54
	OCDF		640	1600	1000	970	530	1300	2200	1400
TeCDDs		D4	320	950	920	15	7100	730	52	130
PeCDDs		D5	640	1900	440	83	7300	520	180	170
HxCDDs		D6	1700	5200	530	750	2500	1100	1300	1100
HpCDDs		D7	4700	16000	3400	5800	7000	7700	13000	9500
OCDD		D8	24000	52000	19000	29000	27000	40000	68000	54000
TeCDFs		F4	1100	120	620	32	490	190	48	62
PeCDFs		F5	1700	450	240	240	750	320	330	240
HxCDFs		F6	3200	1600	530	1000	980	1200	1800	1100
HpCDFs		F7	1300	3400	1000	2100	1200	2500	4400	2400
OCDF		F8	640	1600	490	970	530	1300	2200	1400
DL-PCBs	#81	-	0	0	0	0	0	0	0	0
	#77		300	670	340	490	1600	870	590	2000
	#126		25	40	19	31	130	56	40	100
	#169		0	0	0	0	0	0	0	0
	#123	-	110	170	100	120	250	430	290	2200
	#118		13000	21000	17000	15000	29000	48000	33000	350000
	#118+#106									
	#105		3600	5700	3600	4200	8700	17000	9400	64000
	#105+#127									
	#114		140	210	140	160	320	780	350	3600
	(#114+#122) +1,3,7,9-TeCDD									
	#167		690	810	470	510	1000	3600	1400	8500
	#167+#128									
	#156		1800	2300	1400	1400	2800	11000	4100	25000
	#157		340	460	270	290	610	2400	800	5400
	#189		140	110	55	66	100	400	190	860

表.2 ダイオキシン類解析 組成 (沖縄市サッカー場土壌汚染等調査業務)

		塩化	内容物 No.9	内容物 No.10	内容物 No.11	内容物 No.12	内容物 No.13	内容物 No.14	内容物 No.15	内容物 No.16
			実測濃度 (pg/g)							
PCDDs	1,3,6,8-TeCDD	D4	0	12	18	0	12	24	12	13
	1,3,7,9-TeCDD		7	7	14	10	11	13	11	10
	2,3,7,8-TeCDD		0	590	37	7	220	28	88	290
	1,2,3,7,8-PeCDD	D5	4	220	16	0	78	11	33	110
	1,2,3,4,7,8-HxCDD	D6	12	8	16	0	9	11	10	11
	1,2,3,6,7,8-HxCDD		160	93	230	66	100	140	120	140
	1,2,3,7,8,9-HxCDD		25	16	30	15	18	24	20	25
	1,2,3,4,6,7,8-HpCDD	D7	6200	2500	8200	2700	3800	5400	4300	4000
	OCDD	D8	69000	28000	75000	32000	42000	59000	43000	44000
PCDFs	1,2,7,8-TeCDF	F4	5.3	8.3	7	6	7	7.4	5	9.5
	2,3,7,8-TeCDF		7.2	9.3	8	11	6	8	4	9.4
	1,2,3,7,8-PeCDF	F5								
	1,2,3,7,8+		27	13	41	24	16	26	18	22
	1,2,3,4,8-PeCDF		13	8	20	12	8	14	9	13
	2,3,4,7,8-PeCDF									
	2,3,4,7,8+	F6								
	1,2,3,6,9-PeCDF									
	1,2,3,4,7,8-HxCDF		97	43	140	67	55	83	66	74
	1,2,3,4,7,9-HxCDF		31	13	48	20	18	26	23	27
	1,2,3,6,7,8-HxCDF		0	0	9	0	0	0	0	0
	1,2,3,7,8,9-HxCDF									
	1,2,3,7,8,9+									
	1,2,3,4,8,9-HxCDF		20	8	35	11	14	17	15	12
	2,3,4,6,7,8-HxCDF									
	2,3,4,6,7,8+	F7								
	1,2,3,6,8,9-HxCDF		1000	410	1600	430	630	780	740	520
	1,2,3,4,6,7,8-HpCDF		89	40	150	34	56	68	64	46
	1,2,3,4,7,8,9-HpCDF	F8	2000	720	3000	870	1200	1400	1400	2000
	OCDF									
DL-PCBs	TeCDDs	D4	23	680	100	25	280	88	140	360
	PeCDDs	D5	220	530	360	24	390	270	240	420
	HxCDDs	D6	1500	830	2000	680	1200	1600	1200	1300
	HpCDDs	D7	13000	5500	17000	5800	7900	12000	9000	8100
	OCDD	D8	69000	28000	75000	32000	42000	59000	43000	44000
	TeCDFs	F4	60	190	100	51	99	120	73	140
	PeCDFs	F5	380	270	580	230	300	510	300	400
	HxCDFs	F6	1900	890	2900	810	1200	3100	1300	1500
	HpCDFs	F7	4000	1600	6500	1700	2400	3000	2800	2000
	OCDF	F8	2000	720	3000	870	1200	1400	1400	1400
	#81	-	0	0	0	21	0	0	0	27
	#77		820	1800	1200	440	2600	1200	1200	2700
	#126		53	110	110	31	250	79	87	300
	#169		0	0	9	0	0	0	0	0
	#123	-	400	1300	220	240	740	1300	180	490
	#118		42000	180000	27000	34000	110000	220000	27000	42000
	#118+#106									
	#105		13000	38000	6900	8100	23000	38000	6200	11000
	#105+#127									
	#114		580	1900	260	330	1300	2000	220	600
	(#114+#122) +1,3,7,9-TeCDD									
	#167		2800	5500	1100	980	4600	7600	940	2100
	#167+#128									
	#156		8200	16000	2800	3000	13000	23000	2400	5300
	#157		1600	3300	610	530	2700	4700	490	1200
	#189		510	510	170	140	490	820	100	210

表.3 ダイオキシン類解析 組成 (沖縄市サッカー場土壤汚染等調査業務)

		塩化	内容物 No.17	内容物 No.18	内容物 No.19	内容物 No.20	内容物 No.21	内容物 No.22	残土	埋設場所
			実測濃度 (pg/g)							
PCDDs	1,3,6,8-TeCDD	D4	0	11	11	19	12	18	12	11
	1,3,7,9-TeCDD		20	8	8	17	14	17	8.1	7.8
	2,3,7,8-TeCDD		650	390	63	520	190	89	0.35	0.26
	1,2,3,7,8-PeCDD	D5	170	22	14	77	38	34	1.1	6
	1,2,3,4,7,8-HxCDD	D6	12	11	7	14	15	16	5.2	23
	1,2,3,6,7,8-HxCDD		140	110	81	160	170	220	81	370
	1,2,3,7,8,9-HxCDD		23	19	15	25	32	37	11	46
	1,2,3,4,6,7,8-HpCDD	D7	4000	3800	2900	4200	5400	8200	2400	14000
	OCDD	D8	39000	53000	32000	43000	60000	18000	22000	240000
PCDFs	1,2,7,8-TeCDF	F4	10	6.7	4.6	9.3	5.5	8.4	2	9.2
	2,3,7,8-TeCDF		26	9.5	4.5	9	6.9	8.7	3	13
	1, 2, 3, 7, 8-PeCDF	F5								
	1,2,3,7,8+		19	19	14	23	23	35	9.4	65
	1,2,3,4,8-PeCDF		12	11	7	14	13	20	4.4	35
	2,3,4,7,8-PeCDF									
	2, 3, 4, 7, 8+									
	1, 2, 3, 6, 9-PeCDF									
	1, 2, 3, 4, 7, 8-HxCDF	F6								
	1,2,3,4,7,8+		72	58	52	74	94	120	47	220
	1,2,3,4,7,9-HxCDF		22	20	16	25	28	40	17	69
	1,2,3,6,7,8-HxCDF		0	0	0	6	6	7	2.8	13
	1,2,3,7,8,9-HxCDF									
	1, 2, 3, 7, 8, 9+									
	1, 2, 3, 4, 8, 9-HxCDF		18	14	12	25	24	26	9.2	45
	2,3,4,6,7,8-HxCDF									
	2, 3, 4, 6, 7, 8+									
	1, 2, 3, 6, 8, 9-HxCDF									
	1,2,3,4,6,7,8-HpCDF	F7	560	470	420	550	740	900	510	1900
	1,2,3,4,7,8,9-HpCDF		51	39	37	48	64	77	49	180
	OCDF	F8	1600	1800	1200	1500	2100	2400	1300	3800
	TeCDDs	D4	730	430	100	610	250	160	25	96
	PeCDDs	D5	500	180	160	380	270	570	98	1200
	HxCDDs	D6	1200	1100	900	1700	1600	3600	570	7500
	HpCDDs	D7	7900	7600	5800	8400	11000	18000	3900	41000
	OCDD	D8	39000	53000	32000	43000	60000	75000	22000	240000
	TeCDFs	F4	540	140	61	180	97	110	46	72
	PeCDFs	F5	480	320	230	410	390	520	270	820
	HxCDFs	F6	1500	1200	990	1600	1800	2400	1200	4500
	HpCDFs	F7	2300	1800	1700	2200	2900	3600	2200	8400
	OCDF	F8	1600	1400	1200	1500	2100	2400	1300	3800
DL-PCBs	#81	-	0	0	0	0	0	0	0	0
	#77		1100	770	750	1200	490	640	56	430
	#126		86	72	58	78	33	47	5.5	23
	#169		0	0	0	0	0	0	0	1.1
	#123	-	870	440	390	510	380	310	63	220
	#118		100000	51000	50000	62000	43000	31000	7100	22000
	#118+#106									
	#105		22000	11000	9300	13000	9100	7000	1400	5100
	#105+#127									
	#114		1400	570	480	660	480	360	96	310
	(#114+#122) +1, 3, 7, 9-TeCDD									
	#167		4900	1800	1800	2100	1800	1100	430	1100
	#167+#128									
	#156		14000	5100	4800	6000	5500	3200	1200	3100
	#157		3100	1100	950	1200	1100	680	260	600
	#189		510	180	150	220	190	120	85	120

表.4 ダイオキシン類解析 組成 (沖縄市サッカー場土壌汚染等調査業務)

		塩化	表層土壌	北谷町(A)	北谷町(B)	周辺水
			実測濃度 (pg/g)			(pg/L)
PCDDs	1,3,6,8-TeCDD	D4	0.26	1	1.2	
	1,3,7,9-TeCDD		0	0.52	0.61	
	2,3,7,8-TeCDD		0	0	0	15
	1,2,3,7,8-PeCDD	D5	0	0.84	0.78	18
	1,2,3,4,7,8-HxCDD	D6	0	0.38	0.52	31
	1,2,3,6,7,8-HxCDD		0.6	1.3	2.2	250
	1,2,3,7,8,9-HxCDD		0.7	4.4	4.3	43
	1,2,3,4,6,7,8-HpCDD	D7	29	23	51	11000
	OCDD	D8	2000	420	840	120000
PCDFs	1,2,7,8-TeCDF	F4	0.25	0	0	
	2,3,7,8-TeCDF		0.53	0	0.2	34
	1,2,3,7,8-PeCDF	F5				
	1,2,3,7,8+					
	1,2,3,4,8-PeCDF		0.39	0	0.25	59
	2,3,4,7,8-PeCDF		0	0	0	38
	2,3,4,7,8+	F6				
	1,2,3,6,9-PeCDF					
	1,2,3,4,7,8-HxCDF					
	1,2,3,4,7,8+		0.9	0	0.8	160
	1,2,3,4,7,9-HxCDF					
	1,2,3,6,7,8-HxCDF		0.3	0	0	74
	1,2,3,7,8,9-HxCDF		0	0	0	8.8
	1,2,3,7,8,9+					
	1,2,3,4,8,9-HxCDF					
	2,3,4,6,7,8-HxCDF		0.28	0	0	48
	2,3,4,6,7,8+	F7				
	1,2,3,6,8,9-HxCDF					
	1,2,3,4,6,7,8-HpCDF		4.3	1.4	8.2	1600
	1,2,3,4,7,8,9-HpCDF		0.6	0	0	200
	OCDF	F8	13	7.5	25	3300
TeCDDs		D4	0.37	2.6	3.8	340
PeCDDs		D5	0.74	4.3	5.6	1000
HxCDDs		D6	7.5	19	28	4800
HpCDDs		D7	55	48	120	2700
OCDD		D8	2000	420	840	120000
TeCDFs		F4	1.5	0.51	1.6	540
PeCDFs		F5	2.4	0.41	2.6	870
HxCDFs		F6	9.2	1.4	8.6	2900
HpCDFs		F7	13	4.5	22	6100
OCDF		F8	13	7.5	25	3300
DL-PCBs	#81	-	0	0	0	0
	#77		6	1.6	9.4	350
	#126		0.56	0	1.6	34
	#169		0	0	1.1	0
	#123	-	5.7	0	1.2	130
	#118		340	18	93	12000
	#118+#106					
	#105		140	7.4	40	3100
	#105+#127					
	#114		8.1	0.41	1.8	190
	(#114+#122) +1,3,7,9-TeCDD					
	#167		24	1.7	20	540
	#167+#128					
	#156		79	3.6	36	1500
	#157		17	0.9	7.4	380
	#189		3.4	1	17	74

図.1 ダイオキシン類解析 組成 (沖縄市サッカー場土壌汚染等調査業務)

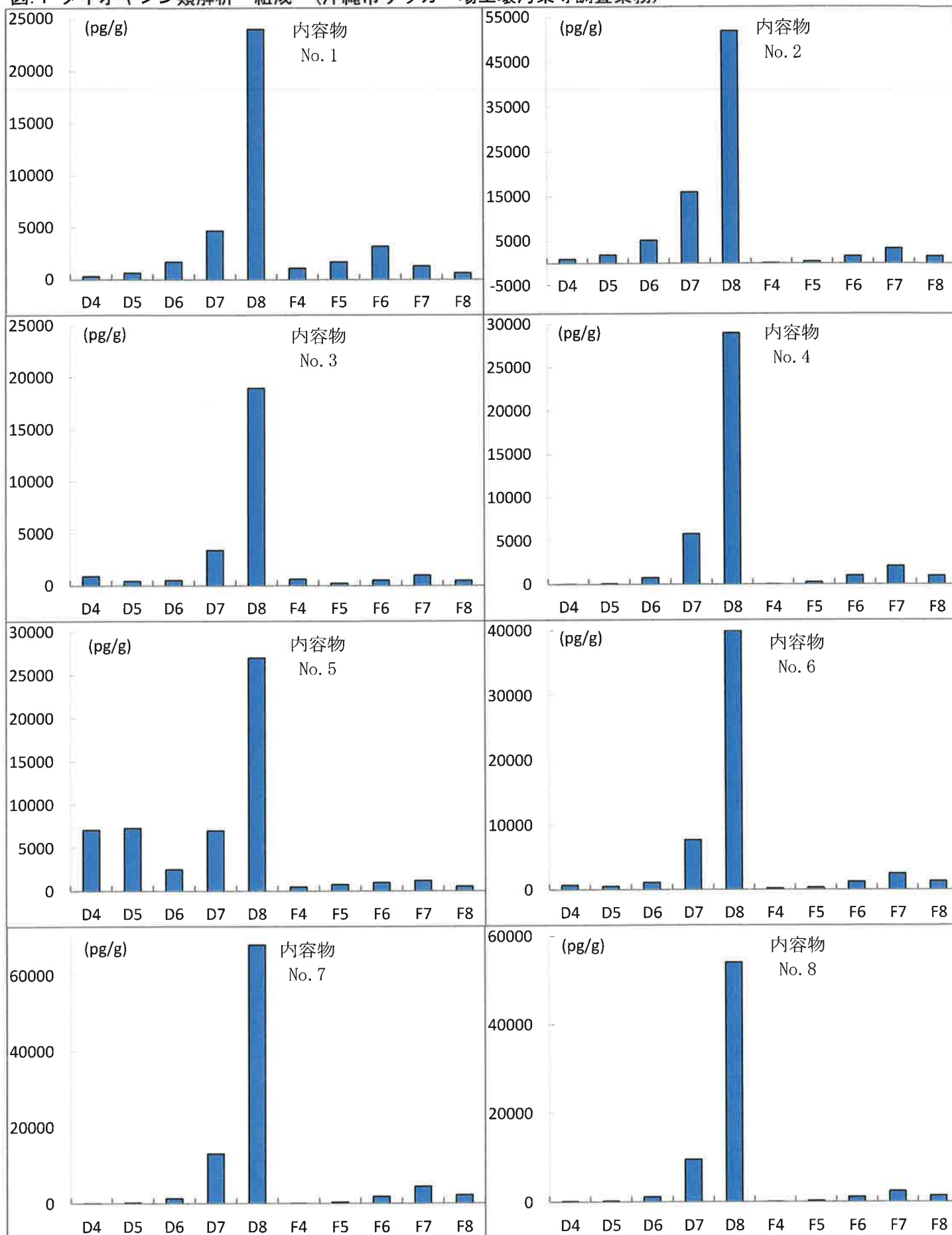


図.2 ダイオキシン類解析 組成 (沖縄市サッカー場土壌汚染等調査業務)

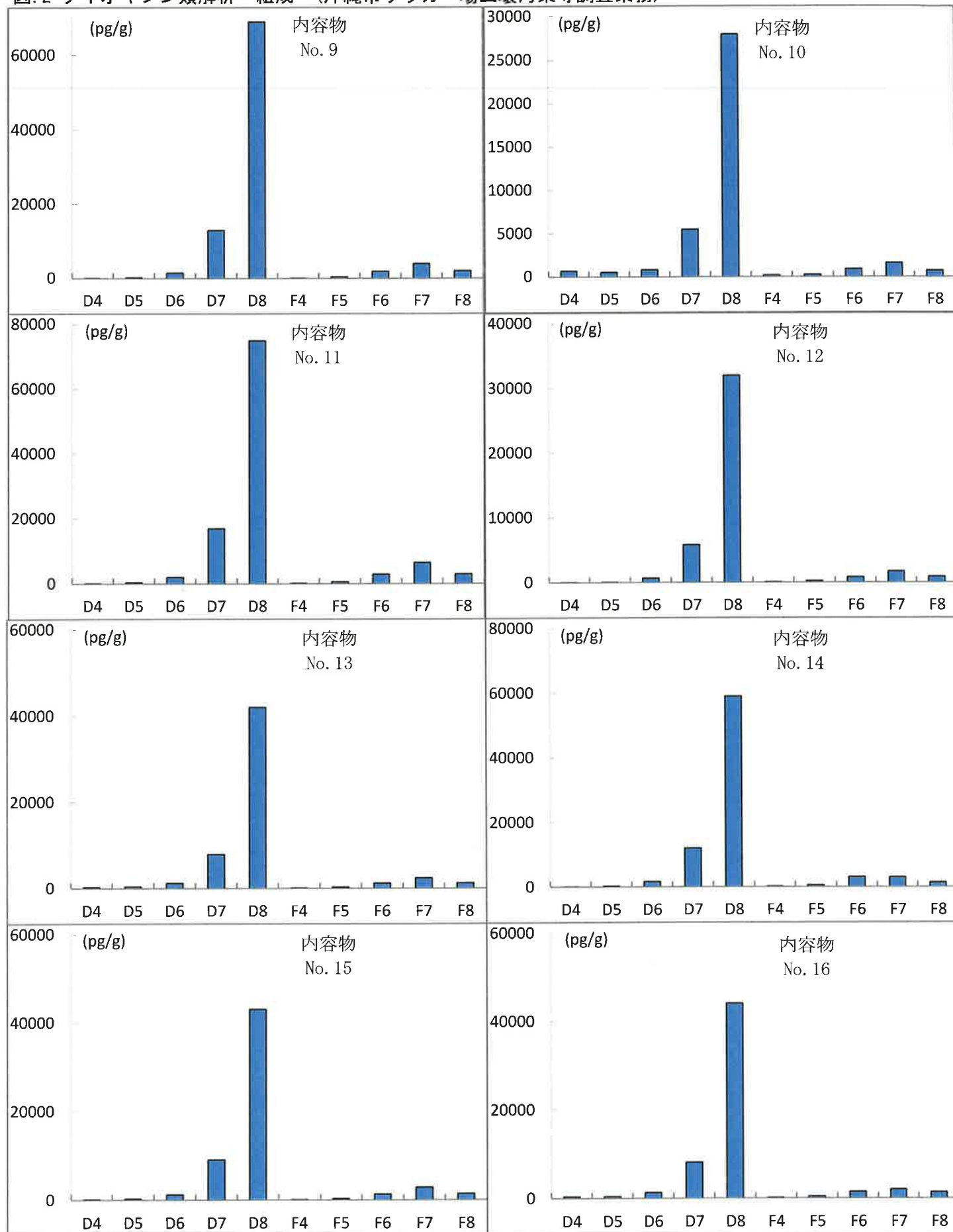


図.3 ダイオキシン類解析 組成 (沖縄市サッカー場土壤汚染等調査業務)

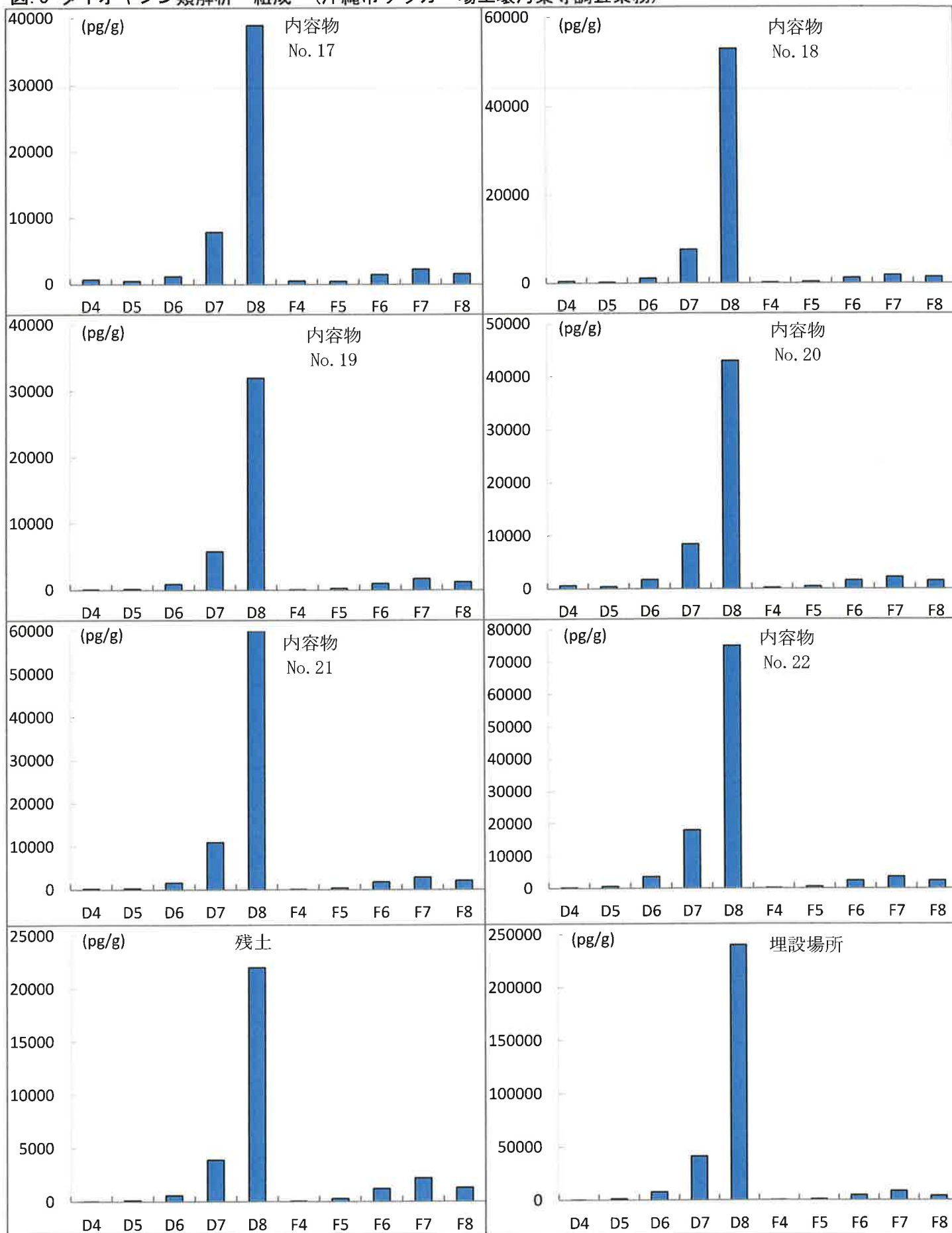


図.4 ダイオキシン類解析 組成 (沖縄市サッカー場土壌汚染等調査業務)

