

表 28-3 RDF 中塩素化ダイオキシン類(PCDD/PCDF/PCB)の同族体の存在比(実測濃度)(RDF)

| 試料 No. | PCDD (%) | PCDF (%) | PCB (%) |
|--------|----------|----------|---------|
| 1601 | 36.8 | 0.8 | 62.41 |
| 1602 | 16.3 | 0.0 | 83.70 |
| 平均 | 26.6 | 0.4 | 73.1 |
| 標準偏差 | 14.5 | 0.6 | 15.0 |

表 28-4 固形物中塩素化ダイオキシン類組成比(PCDD/PCDF/Co-PCB比)(プラスチック成形)

| 試料 No. | PCDD (%) | PCDF (%) | PCB (%) |
|--------|----------|----------|---------|
| 1611-1 | 0 | 0 | 100 |
| 1611-2 | 0 | 0 | 100 |
| 1612-1 | — | — | — |
| 1613-1 | 0 | 0 | 100 |
| 1613-2 | 0 | 0 | 100 |
| n 数 | 4 | 4 | 4 |
| 平均 | 0 | 0 | 100 |
| 標準偏差 | 0 | 0 | 0 |

表 29-1 飛灰中塩素化ダイオキシン類(PCDD/PCDF)の同族体の存在比(実測濃度)(RDF)

| 試料 No. | PCDD (%) | PCDF (%) |
|--------|----------|----------|
| 1601 | 41.5 | 58.5 |
| 1602 | 58.9 | 41.1 |
| 平均 | 50.2 | 49.8 |
| 標準偏差 | 12.3 | 12.3 |

表 29-2 焼却灰中塩素化ダイオキシン類(PCDD/PCDF)の同族体の存在比(実測濃度)(RDF)

| 試料 No. | PCDD (%) | PCDF (%) |
|--------|----------|----------|
| 1601 | 36.2 | 63.8 |

表 29-3 RDF 中塩素化ダイオキシン類(PCDD/PCDF)の同族体の存在比(実測濃度)(RDF)

| 試料 No. | PCDD (%) | PCDF (%) |
|--------|----------|----------|
| 1601 | 97.9 | 2.1 |
| 1602 | 100.0 | 0.0 |
| 平均 | 99.0 | 1.0 |
| 標準偏差 | 1.5 | 1.5 |

表 29-4 固形物中臭素化・臭素系ダイオキシン類組成比(PBDD/MoDF比)(プラスチック成形)

| 試料 No. | PCDD (%) | PCDF (%) |
|--------|----------|----------|
| 1611-1 | — | — |
| 1611-2 | — | — |
| 1612-1 | — | — |
| 1613-1 | — | — |
| 1613-2 | — | — |

表 32-1 気中塩素化ダイオキシン類(PCDD/PCDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | PCDD | | | | | | | | | | PCDF | | | | | | | | | | | | | | | | | | |
|--------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|-------|------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| | d1368 | d1379 | d | d1234 | d123 | d1234 | d1234 | d1234 | d1234 | d1234 | f1278 | f | 2378 | 12378 | 23478 | f | f1234 | f123 | f1234 | f1234 | f1234 | f1234 | f1234 | f1234 | f1234 | f1234 | f1234 | f1234 | f1234 |
| 1601-1 | 0.15 | 0.05 | n.d. | n.d. | n.d. | 0.02 | 0.07 | 0.24 | 0.02 | 0.03 | 0.02 | 0.02 | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.03 | n.d. | 0.05 | 0.32 | 0.03 | 0.03 | n.d. | n.d. | 0.03 |
| 1601-2 | 0.04 | 0.02 | n.d. | n.d. | n.d. | 0.02 | 0.08 | 0.06 | n.d. | 0.02 | 0.02 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.04 | n.d. | 0.05 | 0.09 | n.d. | 0.04 | 0.04 | 0.04 | |
| 1601-3 | 0.10 | 0.04 | n.d. | n.d. | 0.03 | n.d. | 1.00 | 0.16 | 0.14 | 0.29 | 0.53 | 0.03 | 0.01 | 0.03 | 0.03 | 0.05 | 0.05 | 0.05 | 0.05 | 0.18 | 0.02 | 0.15 | 0.59 | 0.38 | 0.36 | 0.28 | 0.28 | | |
| 1601-4 | 1.33 | 0.73 | 0.16 | 0.30 | 0.47 | 0.43 | 8.38 | 62.10 | 3.30 | 3.13 | 5.66 | 14.32 | 0.82 | 0.51 | 2.80 | 6.91 | 4.77 | 0.36 | 4.25 | 42.76 | 7.05 | 155.10 | 16.50 | 25.60 | 42.66 | 69.30 | 69.30 | | |
| 1602-1 | 0.06 | 0.02 | n.d. | n.d. | n.d. | n.d. | 0.03 | 0.07 | n.d. | 0.02 | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.02 | n.d. | n.d. | 0.02 | n.d. | n.d. | n.d. | 0.02 | | |
| 1602-2 | 0.05 | 0.02 | n.d. | n.d. | n.d. | n.d. | 0.02 | 0.07 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.02 | n.d. | n.d. | n.d. | n.d. | | |
| 1602-3 | 0.17 | 0.04 | n.d. | 0.01 | n.d. | 0.02 | 0.01 | 0.18 | 0.27 | 0.26 | 0.34 | 0.70 | 0.37 | 0.02 | 0.01 | 0.03 | 0.04 | 0.04 | 0.06 | 0.16 | 0.02 | 0.13 | 0.72 | 0.61 | 0.47 | 0.47 | 0.28 | | |
| 平均 | 0.27 | 0.13 | 0.02 | 0.04 | 0.05 | 0.07 | 9.08 | 60.52 | 1.27 | 9.08 | 60.52 | 2.18 | 0.13 | 0.08 | 0.41 | 0.25 | 1.00 | 0.69 | 0.05 | 0.62 | 6.17 | 22.21 | 2.61 | 3.80 | 6.22 | 9.99 | 9.99 | | |
| 標準偏差 | 0.47 | 0.26 | 0.06 | 0.11 | 0.12 | 0.17 | 23.38 | 1.20 | 1.16 | 2.09 | 5.36 | 0.31 | 0.19 | 1.05 | 0.63 | 2.61 | 1.80 | 0.14 | 1.60 | 16.13 | 2.66 | 58.60 | 6.13 | 9.61 | 16.07 | 26.15 | 26.15 | | |

<注> n.d.: 0.01未満

表 32-2 気中塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | Co-PCB | | | | | | | | | | | |
|--------|--------|-------|------|------|------|-------|-------|------|------|------|------|------|
| | #81 | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #157 | #189 | |
| 1601-1 | 0.30 | 3.52 | n.d. | n.d. | 0.90 | 44.10 | 13.05 | 1.30 | 0.60 | 1.22 | 0.30 | n.d. |
| 1601-2 | n.d. | 0.92 | n.d. | n.d. | 0.20 | 8.29 | 2.54 | 0.30 | n.d. | 0.22 | n.d. | n.d. |
| 1601-3 | n.d. | 0.72 | 0.10 | n.d. | 0.20 | 7.01 | 2.15 | 0.20 | 0.21 | 0.32 | n.d. | n.d. |
| 1601-4 | 5.21 | 10.23 | 5.33 | 1.00 | 1.88 | 15.65 | 6.63 | 5.12 | 3.09 | 6.70 | 2.05 | 3.50 |
| 1602-1 | n.d. | 0.10 | n.d. | n.d. | n.d. | 0.66 | 0.19 | 0.02 | n.d. | 0.01 | n.d. | n.d. |
| 1602-2 | n.d. | 0.08 | n.d. | n.d. | n.d. | 0.94 | 0.30 | 0.03 | 0.01 | 0.05 | 0.01 | n.d. |
| 1602-3 | 0.02 | 0.13 | 0.05 | 0.02 | 0.01 | 1.20 | 0.29 | 0.02 | 0.05 | 0.07 | 0.04 | 0.04 |
| 平均 | 0.79 | 2.24 | 0.78 | 0.15 | 0.46 | 11.12 | 3.59 | 1.00 | 0.57 | 1.23 | 0.34 | 0.51 |
| 標準偏差 | 1.95 | 3.72 | 2.01 | 0.38 | 0.70 | 15.52 | 4.75 | 1.87 | 1.13 | 2.45 | 0.76 | 1.32 |

<注> n.d.: 0.01未満

表 34-1 気中塩素化ダイオキシン類(PCDD/PCDF)の同族体・異性体の分布(TEQ 濃度)(RDF)

| 試料No. | PCDD | | | | | | | | | | | | PCDF | | | | | | | | | | | |
|--------|--------|---------|----------|----------|----------|-----------|-------|--------|---------|---------|----------|----------|----------|-----------|----------|-----------|-------|--|--|--|--|--|--|--|
| | d 2378 | d 12378 | d 123478 | d 123678 | d 123789 | d 1234678 | OCDD | f 2378 | f 12378 | f 23478 | f 123678 | f 123789 | f 234678 | f 1234789 | f 234678 | f 1234789 | OCDF | | | | | | | |
| 1601-1 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | | |
| 1601-2 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | | |
| 1601-3 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | 0.01 | 0.01 | n. d. | 0.01 | n. d. | n. d. | n. d. | n. d. | | | | | | | |
| 1601-4 | 0.16 | 0.30 | 0.03 | 0.05 | 0.04 | 0.08 | 0.06 | 0.05 | 0.14 | 0.84 | 0.69 | 0.48 | 0.04 | 0.43 | 0.43 | 0.07 | 0.02 | | | | | | | |
| 1602-1 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | | |
| 1602-2 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | | |
| 1602-3 | n. d. | 0.01 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | 0.02 | n. d. | n. d. | n. d. | 0.01 | n. d. | n. d. | n. d. | | | | | | | |
| 平均 | 0.02 | 0.04 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.12 | 0.10 | 0.07 | 0.01 | 0.06 | 0.06 | 0.01 | 0.00 | | | | | | | |
| 標準偏差 | 0.06 | 0.11 | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.05 | 0.31 | 0.26 | 0.18 | 0.01 | 0.16 | 0.16 | 0.03 | 0.01 | | | | | | | |

<注> n. d. : 0.01未満

表 34-2 気中塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(TEQ 濃度)(RDF)

| 試料No. | Co-PCB | | | | | | | | | | | | | | | | | |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|
| | #81 | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #156 | #157 | #189 | | | | | | |
| 1601-1 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 1601-2 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 1601-3 | n. d. | n. d. | 0.01 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 1601-4 | n. d. | n. d. | 0.53 | 0.01 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 1602-1 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 1602-2 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 1602-3 | n. d. | n. d. | 0.01 | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | n. d. | | | | | | |
| 平均 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |
| 標準偏差 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | |

<注> n. d. : 0.01未満

表 35-1 気中塩素化ダイオキシン類(PCDD/PCDF)の同族体・異性体の分布(TEQ 濃度)(プラスチック成形)

| 試料No. | PCDD | | | | | | | | | | | | PCDF | | | | | | | | | | | |
|--------|--------|---------|----------|----------|----------|-----------|------|--------|---------|---------|----------|----------|----------|----------|-----------|-----------|------|--|--|--|--|--|--|--|
| | d 2378 | d 12378 | d 123478 | d 123678 | d 123789 | d 1234678 | OCDD | f 2378 | f 12378 | f 23478 | f 123478 | f 123678 | f 123789 | f 234678 | f 1234678 | f 1234789 | OCDF | | | | | | | |
| 1611-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1611-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1612-1 | n.d. | 0.02 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.04 | 0.01 | 0.01 | n.d. | 0.01 | n.d. | n.d. | n.d. | | | | | | | |
| 1612-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1612-3 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.02 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1612-4 | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.03 | 0.01 | 0.01 | n.d. | 0.01 | n.d. | n.d. | n.d. | | | | | | | |
| 1613-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1613-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1613-3 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1613-4 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 標準偏差 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |

<注> n.d.: 0.01未満

表 35-2 気中塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(TEQ 濃度)(プラスチック成形)

| 試料No. | Co-PCB | | | | | | | | | | | | | | | |
|--------|--------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| | #81 | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #156 | #157 | #189 | | | | |
| 1611-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1611-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1612-1 | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1612-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1612-3 | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1612-4 | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1613-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1613-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1613-3 | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 1613-4 | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | |
| 平均 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

<注> n.d.: 0.01未満

表 36-1 飛灰中臭素化・臭素系ダイオキシン類(PBDD/PBDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | PBDD | | | | | | | | | | | | |
|-------|-------|--------|---------|---------|---------|--------|---------|---------|---------|---------|---------|-------|------|
| | d2378 | d12378 | d123478 | d123456 | d123478 | d12378 | d123478 | d123478 | d123478 | d123478 | d123478 | f1234 | f0 |
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1602 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.: 0.01未満

表 36-2 飛灰中臭素化・臭素系ダイオキシン類(MoPBDD/MoPBDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | MoPBDD | | | | | | | | | | | | |
|-------|---------|----------|-----------|------------|-------------|--------|--------|--------|--------|--------|---------|----------|--------|
| | Mod 378 | Mod 2378 | Mod 36789 | Mod 236789 | Mod 2346789 | Mod Tr | Mod Te | Mod Pe | Mod Hx | Mod Hp | Mof 278 | Mof 2378 | Mof Hp |
| 1601 | n.d. | n.d. | 0.05 | 0.28 | 2.50 | n.d. | n.d. | 0.05 | 0.28 | 2.50 | 0.03 | 0.02 | 1.30 |
| 1602 | n.d. | n.d. | (0.02) | 0.17 | 0.64 | n.d. | n.d. | 0.02 | 0.17 | 0.64 | n.d. | n.d. | 0.13 |
| 平均 | 0.00 | 0.00 | 0.03 | 0.23 | 1.57 | 0.00 | 0.00 | 0.03 | 0.23 | 1.57 | 0.02 | 0.01 | 0.72 |
| 標準偏差 | 0.00 | 0.00 | 0.02 | 0.08 | 1.32 | 0.00 | 0.00 | 0.02 | 0.08 | 1.32 | 0.02 | 0.01 | 0.83 |

<注> n.d.: 0.01未満

表 37-1 焼却灰中臭素化・臭素系ダイオキシン類(PBDD/PBDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | PBDD | | | | | | | | | | | | |
|-------|-------|--------|---------|---------|---------|--------|---------|---------|---------|---------|---------|-------|------|
| | d2378 | d12378 | d123478 | d123456 | d123478 | d12378 | d123478 | d123478 | d123478 | d123478 | d123478 | f1234 | f0 |
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |

<注> n.d.: 0.01未満

表 37-2 焼却灰中臭素化・臭素系ダイオキシン類(MoPBDD/MoPBDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | MoPBDD | | | | | | | | | | | | |
|-------|---------|----------|-----------|------------|-------------|--------|--------|--------|--------|--------|---------|----------|--------|
| | Mod 378 | Mod 2378 | Mod 36789 | Mod 236789 | Mod 2346789 | Mod Tr | Mod Te | Mod Pe | Mod Hx | Mod Hp | Mof 278 | Mof 2378 | Mof Hp |
| 1601 | n.d. | n.d. | n.d. | n.d. | 0.14 | n.d. | n.d. | n.d. | n.d. | 0.14 | 0.01 | n.d. | 0.07 |

<注> n.d.: 0.01未満

表 38-1 RDF 灰中臭素化・臭素系ダイオキシン類(PBDD/PBDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | PBDD | | | | | | | | | | | | |
|-------|-------|--------|---------|---------|---------|---------|------|------|------|------|------|------|------|
| | d2378 | d12378 | d123478 | d123456 | d123789 | d123456 | d Te | d Pe | d Hx | d Hp | d O | f0 | |
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1602 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.: 0.01未満

表 38-2 RDF 灰中臭素化・臭素系ダイオキシン類(MoPBDD/MoPBDF)の同族体・異性体の分布(実測濃度)(RDF)

| 試料No. | MoPBDD | | | | | | | | | | | | | |
|-------|---------|----------|-----------|------------|-------------|--------|--------|--------|--------|--------|---------|----------|--------|--------|
| | Mod 378 | Mod 2378 | Mod 36789 | Mod 236789 | Mod 2346789 | Mod Tr | Mod Te | Mod Pe | Mod Hx | Mod Hp | Mof 278 | Mof 2378 | Mof Hx | Mof Hp |
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1602 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.: 0.01未満

表 39-1 固形物臭素化・臭素系ダイオキシン類(PBDD/PBDF)の同族体・異性体の分布(実測濃度)(プラスチック成形)

| 試料No. | PBDD | | | | | | | | | | | | | | | | |
|--------|-------|--------|---------|---------|---------|------|------|------|-------|--------|------|------|------|------|------|------|--------|
| | d2378 | d12378 | d123478 | d123456 | d123789 | d Te | d Pe | d Hx | d Hp | d O | f0 | f Hp | f Hx | f Pe | f Te | f Hp | f O |
| 1611-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1611-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1612-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1613-1 | n.d. | n.d. | 2.40 | n.d. | 260.00 | n.d. | n.d. | 2.40 | 20.00 | 260.00 | n.d. | 0.40 | n.d. | n.d. | n.d. | 0.40 | 170.00 |
| 1613-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.48 | 0.00 | 52.00 | 0.00 | 0.00 | 0.48 | 4.40 | 52.00 | 0.00 | 0.08 | 0.00 | 0.08 | 0.00 | 0.08 | 34.60 |
| 標準偏差 | 0.00 | 0.00 | 1.07 | 0.00 | 116.28 | 0.00 | 0.00 | 1.07 | 8.76 | 116.28 | 0.00 | 0.18 | 0.00 | 0.18 | 0.00 | 0.18 | 75.70 |

<注> n.d.: 0.01未満

表 44-2 飛灰中塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(TEQ 濃度)(RDF)

| Co-PCB | | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #156 | #157 | #189 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1601 | n.d. | n.d. | 0.07 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1602 | n.d. | n.d. | 0.01 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 標準偏差 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.: 0.01未満

表 45-1 焼却灰中塩素化ダイオキシン類(PCDD/PCDF)の同族体・異性体の分布(TEQ 濃度)(RDF)

| 試料No. | PCDD | | | | | | | | | | | | PCDF | | | | | | | | | | | | | | | | |
|-------|------|------|------|-------|------|--------|------|--------|------|--------|------|---------|------|---|------|------|-------|------|--------|------|--------|------|--------|------|---------|------|---------|------|------|
| | d | 2378 | d | 12378 | d | 123478 | d | 123678 | d | 123789 | d | 1234678 | OCDD | f | 2378 | f | 12378 | f | 123478 | f | 123678 | f | 123789 | f | 1234678 | f | 1234789 | OCDF | |
| 1601 | 0.03 | 0.07 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | n.d. | f | 2378 | 0.01 | 0.01 | 0.01 | 0.10 | 0.03 | 0.03 | 0.03 | n.d. | 0.02 | 0.02 | 0.01 | n.d. | n.d. | n.d. |

<注> n.d.: 0.01未満

表 45-2 焼却灰中塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(TEQ 濃度)(RDF)

| Co-PCB | | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #156 | #157 | #189 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |

<注> n.d.: 0.01未満

表 46-1 RDF 灰中塩素化ダイオキシン類(PCDD/PCDF)の同族体・異性体の分布(TEQ 濃度)(RDF)

| 試料No. | PCDD | | | | | | | | | | | | PCDF | | | | | | | | | | | | | | | | |
|-------|------|------|------|-------|------|--------|------|--------|------|--------|------|---------|------|------|------|------|-------|------|--------|------|--------|------|--------|------|---------|------|---------|------|------|
| | d | 2378 | d | 12378 | d | 123478 | d | 123678 | d | 123789 | d | 1234678 | OCDD | f | 2378 | f | 12378 | f | 123478 | f | 123678 | f | 123789 | f | 1234678 | f | 1234789 | OCDF | |
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1602 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.: 0.01未満

表 46-2 RDF 灰中塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(TEQ 濃度)(RDF)

| 試料No. | Co-PCB | | | | | | | | | | | | | |
|-------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | #81 | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #156 | #157 | #189 | | |
| 1601 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1602 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.:0.01未満

表 47-1 固形物塩素化ダイオキシン類(PCDD/PCDF)の同族体・異性体の分布(TEQ 濃度)(プラスチック成形)

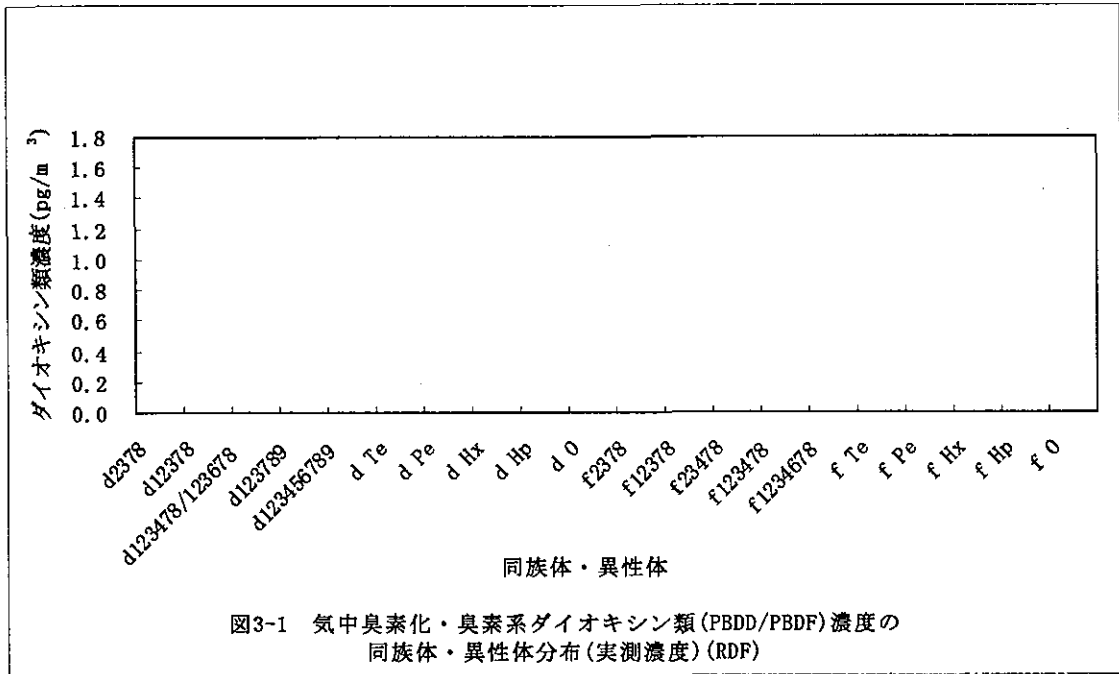
| 試料No. | PCDD | | | | | | | | | | | | | | PCDF | | | | | | | | | | | | | |
|--------|--------|---------|----------|----------|----------|-----------|------|--------|---------|---------|---------|---------|----------|----------|----------|----------|-----------|-----------|-----------|------|------|--|--|--|--|--|--|--|
| | d 2378 | d 12378 | d 123478 | d 123678 | d 123789 | d 1234678 | OCDD | f 2378 | f 12378 | f 23478 | f 12378 | f 23478 | f 123478 | f 123678 | f 123789 | f 234678 | f 1234789 | f 1234678 | f 1234789 | OCDF | | | | | | | | |
| 1611-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1611-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1612-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1613-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 1613-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | | | | | | | |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | |

<注> n.d.:0.01未満

表 47-2 固形物塩素化ダイオキシン類(Co-PCB)の同族体・異性体の分布(TEQ 濃度)(プラスチック成形)

| 試料No. | Co-PCB | | | | | | | | | | | | | |
|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | #81 | #77 | #126 | #169 | #123 | #118 | #105 | #114 | #167 | #156 | #157 | #189 | | |
| 1611-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1611-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1612-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1613-1 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 1613-2 | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. | n.d. |
| 平均 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 標準偏差 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

<注> n.d.:0.01未満



<注> d 2378 : 2,3,7,8-TeBDD, d 12378 : 2,3,7,8-PeBDD, d 123478 : 1,2,3,4,7,8-HxBDD, d 123789 : 1,2,3,7,8,9-HxBDD, d 123456789 : 1,2,3,4,5,6,7,8,9-OBDD, d Te : TeBDDs, d Pe : PeBDDs, d Hx : HxBDDs, d Hp : HpBDDs, d O : OBDDs, f 2378 : 2,3,7,8-TeBDF, f 12378 : 1,2,3,7,8-PeBDF, f 23478 : 2,3,4,7,8-PeBDF, f 123478 : 1,2,3,4,7,8-HxBDF, f 1234678 : 1,2,3,4,6,7,8-HpBDF, f Te : TeBDFs, f Pe : PeBDFs, f Hx : HxBDFs, f Hp : HpBDFs, f O : OBDF,

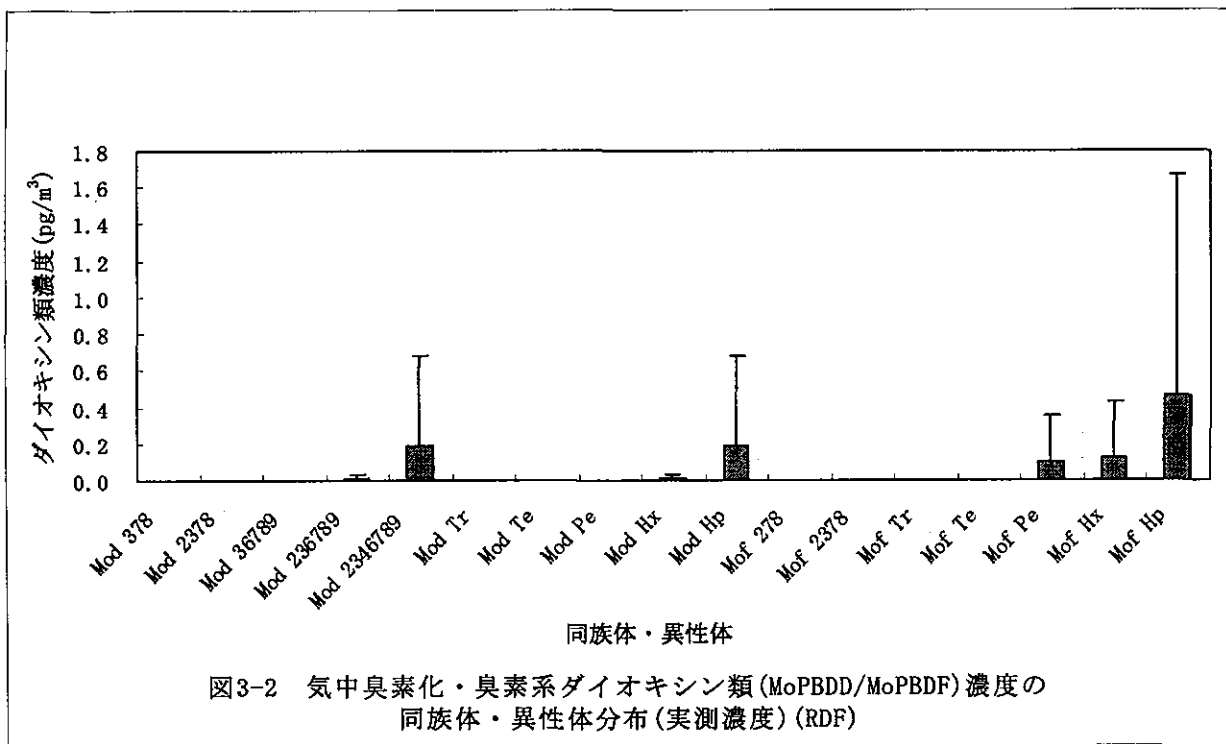
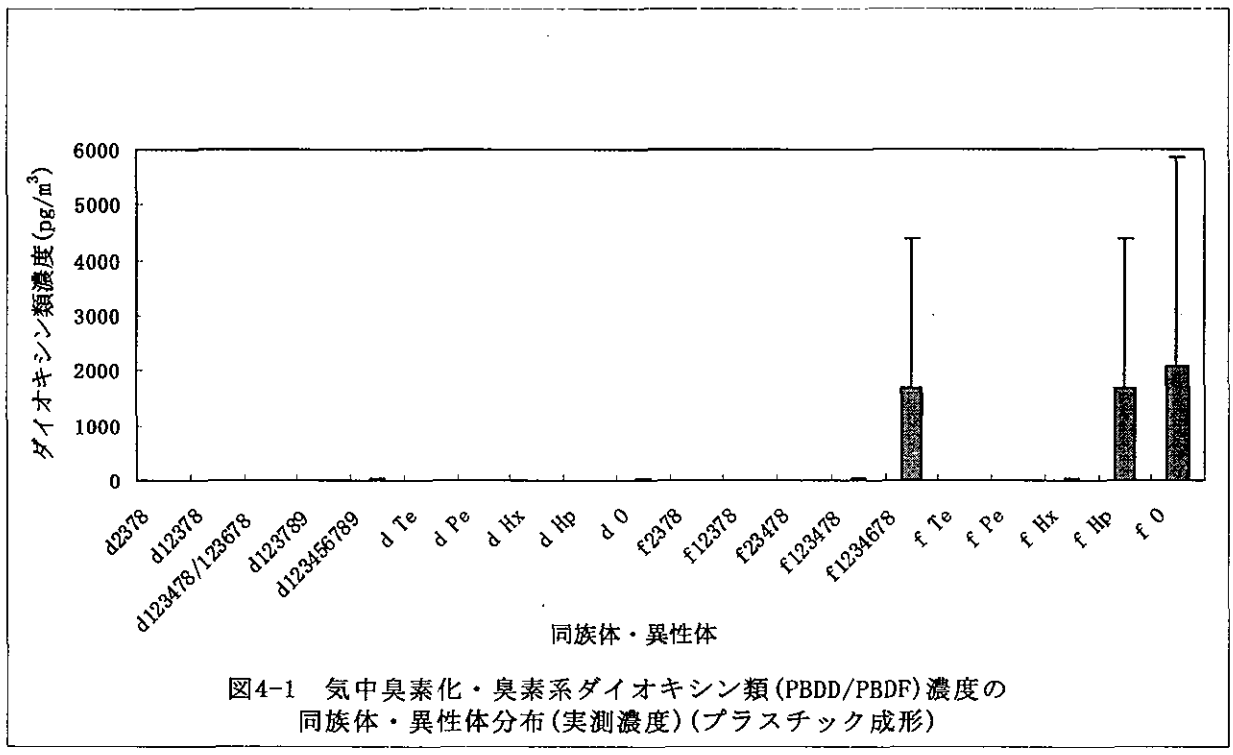
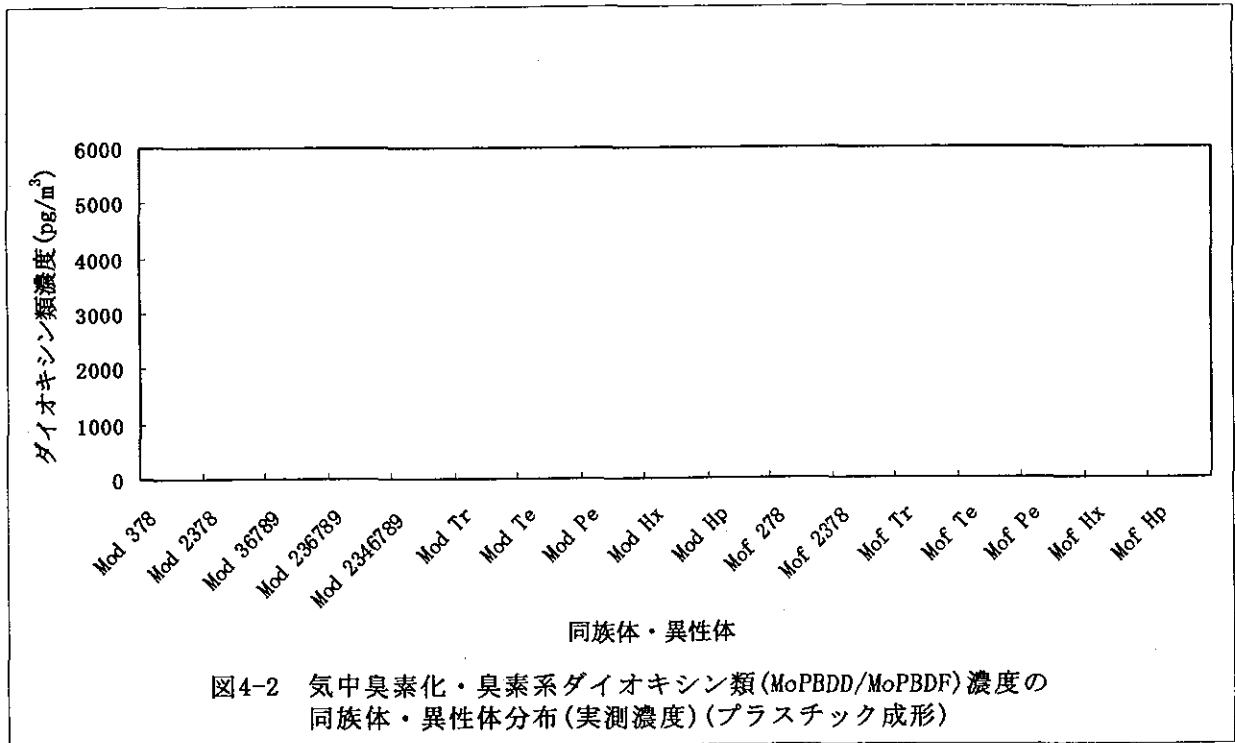


図3-2 気中臭素化・臭素系ダイオキシン類 (MoPBDD/MoPBDF) 濃度の同族体・異性体分布 (実測濃度) (RDF)

<注> Mod 378 : 2-MoB-3,7,8-TrCDD, Mod 2378 : 1-MoB-2,3,7,8-TeCDD, Mod 36789 : 2-MoB-3,6,7,8,9-PeCDD, Mod 236789 : 1-MoB-2,3,6,7,8,9-HxCDD, Mod 2346789 : 1-MoB-2,3,4,6,7,8,9-HpCDD, Mod Tr: MoB-TrCDDs, Mod Te: MoB-TeCDDs, Mod Pe: MoB-PeCDDs, Mod Hx : MoB-HxCDDs, Mod Hp : MoB-HpCDDs, Mof 278 : 3-MoB-2,7,8-TrCDF, Mof 2378 : 1-MoB-2,3,7,8-TeCDF, Mof Tr : MoB-TrCDFs, Mof Te : MoB-TeCDFs, Mof Pe : MoB-PeCDFs, Mof Hx : MoB-HxCDFs, Mof Hp : MoB-HpCDFs



<注> d 2378 : 2,3,7,8-TeBDD, d 12378 : 2,3,7,8-PeBDD, d 123478 : 1,2,3,4,7,8-HxBDD, d 123789 : 1,2,3,7,8,9-HxBDD, d 123456789 : 1,2,3,4,5,6,7,8,9-OBDD, d Te : TeBDDs, d Pe : PeBDDs, d Hx : HxBDDs, d Hp : HpBDDs, d O : OBDDs, f 2378 : 2,3,7,8-TeBDF, f 12378 : 1,2,3,7,8-PeBDF, f 23478 : 2,3,4,7,8-PeBDF, f 123478 : 1,2,3,4,7,8-HxBDF, f 1234678 : 1,2,3,4,6,7,8-HpBDF, f Te : TeBDFs, f Pe : PeBDFs, f Hx : HxBDFs, f Hp : HpBDFs, f O : OBDF,



<注> Mod 378 : 2-MoB-3,7,8-TrCDD, Mod 2378 : 1-MoB-2,3,7,8-TeCDD, Mod 36789 : 2-MoB-3,6,7,8,9-PeCDD, Mod 236789 : 1-MoB-2,3,6,7,8,9-HxCDD, Mod 2346789 : 1-MoB-2,3,4,6,7,8,9-HpCDD, Mod Tr: MoB-TrCDDs, Mod Te: MoB-TeCDDs, Mod Pe: MoB-PeCDDs, Mod Hx : MoB-HxCDDs, Mod Hp : MoB-HpCDDs, Mof 278 : 3-MoB-2,7,8-TrCDF, Mof 2378 : 1-MoB-2,3,7,8-TeCDF, Mof Tr : MoB-TrCDFs, Mof Te : MoB-TeCDFs, Mof Pe : MoB-PeCDFs, Mof Hx : MoB-HxCDFs, Mof Hp : MoB-HpCDFs

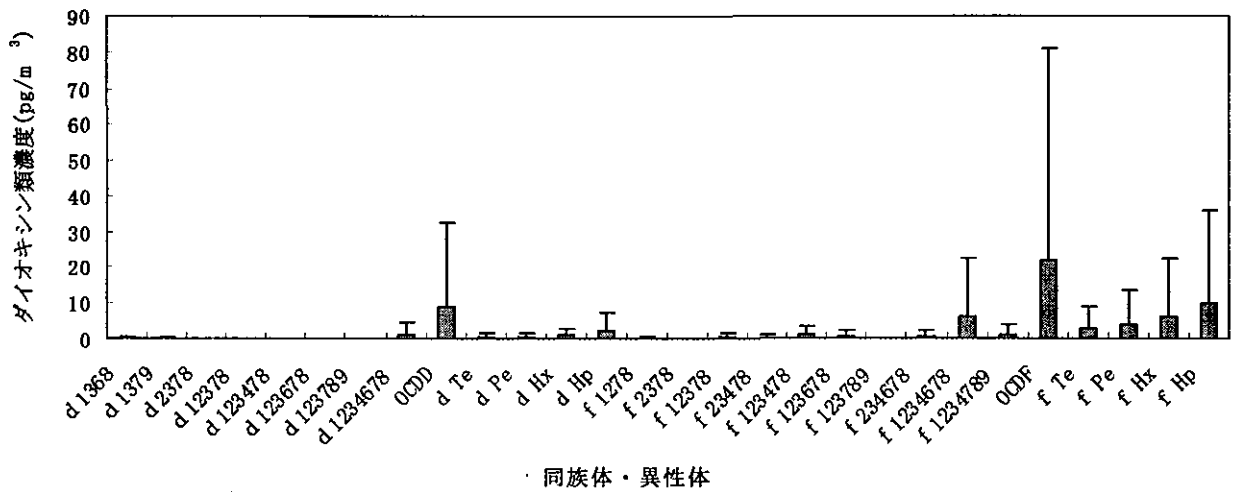


図5-1 気中塩素化ダイオキシン類(PCDD/PCDF)濃度の同族体・異性体分布(実測濃度)(RDF)

<注> d 2378 : 2,3,7,8-TeCDD, d 12378 : 1,2,3,7,8-PeCDD, d 123478 : 1,2,3,4,7,8-HxCDD, d 123678 : 1,2,3,6,7,8-HxCDD, d 123789 : 1,2,3,7,8,9-HxCDD, d 1234678 : 1,2,3,4,6,7,8-HpCDD, OCDD, d Te : TeCDDs, d Pe : PeCDDs, d Hx : HxCDDs, d Hp : HpCDDs, d O : OCDF, f 2378 : 2,3,7,8-TeCDF, f 12378 : 1,2,3,7,8-PeCDF, f 23478 : 2,3,4,7,8-PeCDF, f 123478 : 1,2,3,4,7,8-HxCDF, f 123678 : 1,2,3,6,7,8-HxCDF, f 123789 : 1,2,3,7,8,9-HxCDF, f 234678 : 1,2,3,4,6,7,8-HxCDF, f 1234678 : 1,2,3,4,6,7,8-HpCDF, f 1234789 : 1,2,3,4,7,8,9-HpCDF, OCDD, f Te : TeCDFs, f Pe : PeCDFs, f Hx : HxCDFs, f Hp : HpCDFs, f O : OCDF

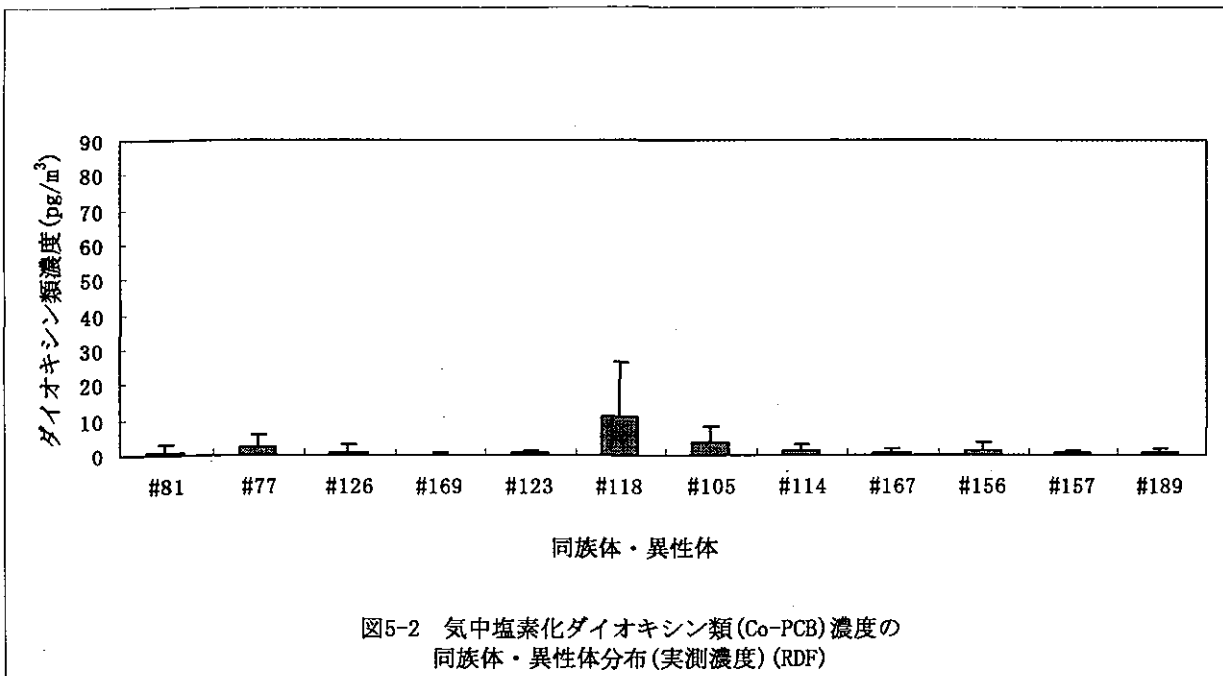


図5-2 気中塩素化ダイオキシン類(Co-PCB)濃度の同族体・異性体分布(実測濃度)(RDF)

<注> #81: 3,4,4',5-TeCB, #77: 3,3',4,4'-TeCB, #126: 3,3',4,4',5-PeCB, #169: 3,3',4,4',5,5'-HxCB, #123: 2',3,4,4',5-PeCB, #118: 2,3',4,4',5-PeCB, #105: 2,3,3',4,4'-PeCB, #114: 2,3,4,4',5-PeCB, #167: 2,3',4,4',5,5'-HxCB, #156: 2,3,3',4,4',5-HxCB, #157: 2,3,3',4,4',5'-HxCB, #189: 2,3,3',4,4',5,5'-HpCB