

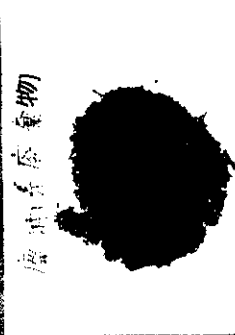
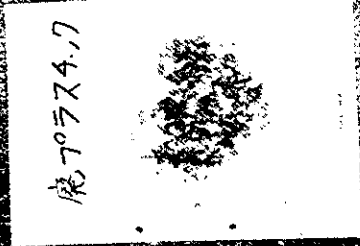

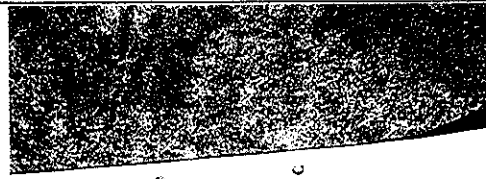


焼却物の写真

|   |  |   |
|---|--|---|
| <p>木くず(RUN1)</p>  <p>木くず</p>                   | <p>コーヒ-粉(RUN2/RUN5)</p>    | <p>廃油系廃棄物(RUN3)</p>  <p>廃油系廃棄物</p> |
| <p>廃プラスチック: PE(RUN4/RUN6)</p>  <p>廃プラスチック</p> | <p>廃プラスチック: PVC(RUN4/RUN6)</p>  <p>廃プラスチック<br/>(PVC)</p> <p>8/30</p> |                                   |

## 焼却物の組成

| 分析項目  | 単位                | 太くす   |       | 食品廃棄物(コヒ相) |       |       |       | 廃油系廃棄物 |       | 廃プラスチック |       |
|-------|-------------------|-------|-------|------------|-------|-------|-------|--------|-------|---------|-------|
|       |                   | 8月26日 | 8月27日 | 8月30日      | 8月31日 | 9月12日 | 9月13日 | 9月23日  | 9月25日 | 9月28日   | 9月29日 |
| 採取日   |                   |       |       |            |       |       |       |        |       |         |       |
| 水分    | %                 | 15.8  | 16.3  | 64.6       | 63.4  | 64.1  | 64.2  | 37.5   | 40    | 1.1     | 0.1   |
| 灰分    | %                 | 3.1   | 2     | 0.7        | 1.1   | 0.5   | 0.4   | 16     | 16.7  | 0.3     | 0.3   |
| 炭素    | %                 | 39.1  | 39.3  | 18.6       | 19.2  | 18.7  | 18.7  | 28.9   | 24.3  | 80.9    | 81.4  |
| 水素    | %                 | 5.6   | 5.4   | 2.7        | 2.8   | 2.7   | 2.7   | 3      | 2.8   | 14.2    | 14.7  |
| 酸素    | %                 | 35.81 | 36.42 | 12.45      | 12.56 | 13.17 | 13.17 | 13.37  | 15.22 | 0.37    | 0.63  |
| 窒素    | %                 | 0.5   | 0.5   | 0.9        | 0.9   | 0.8   | 0.8   | 1      | 0.7   | <0.1    | <0.1  |
| 全硫黄   | %                 | 0.04  | 0.03  | 0.07       | 0.06  | 0.05  | 0.05  | 0.14   | 0.1   | 0.02    | 0.01  |
| 熱中性物質 | %                 | 0.02  | 0.01  | 0.05       | 0.04  | 0.03  | 0.03  | 0.06   | 0.05  | <0.01   | <0.01 |
| 全塩素   | %                 | 0.09  | 0.08  | 0.01       | 0.01  | 0.01  | 0.01  | 0.36   | 0.39  | 3.6     | 3.34  |
| 揮発性塩素 | %                 | 0.07  | 0.07  | <0.01      | <0.01 | <0.01 | <0.01 | 0.17   | 0.21  | 3.13    | 2.87  |
| 全臭素   | %                 | <0.01 | <0.01 | <0.01      | <0.01 | <0.01 | <0.01 | <0.01  | <0.01 | <0.01   | <0.01 |
| 揮発性臭素 | %                 | <0.01 | <0.01 | <0.01      | <0.01 | <0.01 | <0.01 | <0.01  | <0.01 | <0.01   | <0.01 |
| クロム   | mg/kg             | 26    | 13    |            |       |       |       |        |       |         |       |
| 銅     | mg/kg             | 19    | 9.1   |            |       |       |       |        |       |         |       |
| 鉛     | mg/kg             | 0.59  | 0.28  |            |       |       |       |        |       |         |       |
| 容積比重  | kg/m <sup>3</sup> | 200   | 220   | 690        | 640   | 680   | 670   | 590    | 630   | 310     | 320   |
| 実測発熱量 | J/g               | 16700 | 18800 | 22300      | 22200 | 22500 | 22260 | 13100  | 13400 | 45400   | 46600 |
|       | kcal/kg           | 4466  | 4490  | 5326       | 5302  | 5374  | 5317  | 3129   | 3201  | 10844   | 11130 |
| 高位発熱量 | J/g               | 15700 | 15800 | 7870       | 8120  | 8080  | 8120  | 8210   | 8010  | 44900   | 46800 |
|       | kcal/kg           | 3750  | 3774  | 1880       | 1939  | 1930  | 1939  | 1961   | 1913  | 10724   | 11130 |
| 低位発熱量 | J/g               | 14000 | 14100 | 5650       | 5860  | 5860  | 5900  | 6590   | 6360  | 42500   | 44400 |
|       | kcal/kg           | 3344  | 3388  | 1349       | 1400  | 1400  | 1409  | 1574   | 1519  | 10151   | 10805 |
| PCP   | μg/g              | 0.62  | 1.3   |            |       |       |       |        |       |         |       |

注記) 1. 実測発熱量(乾ベース)を除き、上記の数値は湿ベースです。

| RUN No.  | 0-1      | 0-2       | 1-1      | 1-2      | 2-1      | 2-2      | 3-1      | 3-2       | 4-1      | 4-2      | 4-3      | 4-4      | 4-5      | 5-1       | 5-2        | 6-1      | 6-2      | 6-3      | 6-4      |
|----------|----------|-----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|-----------|------------|----------|----------|----------|----------|
| 日付       | H11.12.3 | H11.12.2  | H11.8.27 | H11.8.26 | H11.8.31 | H11.8.30 | H11.9.25 | H11.9.23  | H11.9.30 | H11.9.29 | H11.9.28 | H11.9.28 | H11.9.28 | H11.9.12  | H11.9.13   | H11.9.16 | H11.9.16 | H11.9.17 | H11.9.18 |
| 燃料物      | 木くず      | 木くず       | 木くず      | 木くず      | コヒ一相     | コヒ一相     | 廃油系      | 廃油系       | 廃油系      | 廃油系      | 廃油系      | 廃油系      | 廃油系      | コヒ一相      | コヒ一相       | 廃油系      | 廃油系      | 廃油系      | 廃油系      |
| 投入量      | kg/h     | kg/h      | kg/h     | kg/h     | kg/h     | kg/h     | kg/h     | kg/h      | kg/h     | kg/h     | kg/h     | kg/h     | kg/h     | kg/h      | kg/h       | kg/h     | kg/h     | kg/h     | kg/h     |
| 温度       | °C       | °C        | °C       | °C       | °C       | °C       | °C       | °C        | °C       | °C       | °C       | °C       | °C       | °C        | °C         | °C       | °C       | °C       | °C       |
| 測定値      | 700.0    | 900.0     | 700.0    | 900.0    | 700.0    | 900.0    | 700.0    | 900.0     | 700.0    | 700.0    | 800.0    | 900.0    | 900.0    | 700.0     | 900.0      | 700.0    | 800.0    | 900.0    | 900.0    |
| 測定値      | 701.7    | 801.4     | 705.4    | 912.3    | 707.7    | 912.3    | 703.4    | 888.3     | 717.4    | 714.4    | 820.3    | 924.8    | 911.4    | 704.5     | 844.5      | 708.5    | 701.5    | 806.5    | 908.5    |
| 灯油       | L/h      | L/h       | L/h      | L/h      | L/h      | L/h      | L/h      | L/h       | L/h      | L/h      | L/h      | L/h      | L/h      | L/h       | L/h        | L/h      | L/h      | L/h      | L/h      |
| 測定値      | 100.0    | 130.0     | 65.0     | 120.0    | 45.0     | 90.0     | 40.0     | 85.0      | 0.0      | 0.0      | 20.0     | 55.0     | 50.0     |           |            |          |          |          |          |
| LP-G     | kg/h     | kg/h      | kg/h     | kg/h     | kg/h     | kg/h     | kg/h     | kg/h      | kg/h     | kg/h     | kg/h     | kg/h     | kg/h     | kg/h      | kg/h       | kg/h     | kg/h     | kg/h     | kg/h     |
| 測定値      | 18.0     | 18.0      | 18.0     | 18.0     | 18.0     | 18.0     | 18.0     | 18.0      | 18.0     | 18.0     | 18.0     | 18.0     | 18.0     |           |            |          |          |          |          |
| A重油      | L/h      | L/h       | L/h      | L/h      | L/h      | L/h      | L/h      | L/h       | L/h      | L/h      | L/h      | L/h      | L/h      | L/h       | L/h        | L/h      | L/h      | L/h      | L/h      |
| 測定値      | 0.0      | 0.0       | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0       | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 5.0       | 6.0        | 0.0      | 0.0      | 0.0      | 0.0      |
| 水噴射量     | kg/h     | kg/h      | kg/h     | kg/h     | kg/h     | kg/h     | kg/h     | kg/h      | kg/h     | kg/h     | kg/h     | kg/h     | kg/h     | kg/h      | kg/h       | kg/h     | kg/h     | kg/h     | kg/h     |
| (炉内)     |          |           |          |          |          |          |          |           |          |          |          |          |          |           |            |          |          |          |          |
| その他      |          |           |          |          |          |          |          |           |          |          |          |          |          |           |            |          |          |          |          |
| 二次燃焼炉    |          |           |          |          |          |          |          |           |          |          |          |          |          |           |            |          |          |          |          |
| (SG1)    |          |           |          |          |          |          |          |           |          |          |          |          |          |           |            |          |          |          |          |
| 温度(タ)    | 761.2    | 890.8     | 773.9    | 983.4    | 753.1    | 919.7    | 780.6    | 988.5     | 784.4    | 759.1    | 864.9    | 994.2    | 978.8    | 721.1     | 872.2      | 722.4    | 703.8    | 827.1    | 919.7    |
| 湿度(シ)    | 806.0    | 993.0     | 712.0    | 1007.0   | 739.0    | 940.0    | 809.0    | 998.0     | 693.0    |          | 855.0    | 1013.0   | 959.0    | 696.0     | 845.0      | 710.0    |          | 824.0    | 906.0    |
| ガス量      | Nm³/h    | 570.0     | 570.0    | 734.0    | 568.0    | 807.0    | 579.0    | 627.0     | 446.0    |          | 417.0    | 427.0    | 391.0    | 241.0     | 218.0      | 237.0    |          | 222.0    | 207.0    |
| 水分       | %        | 16.0      | 9.9      | 11.9     | 16.4     | 16.9     | 12.8     | 13.3      | 5.3      |          | 7.4      | 8.6      | 16.2     | 31.7      | 24.5       | 27.5     |          | 22.9     | 18.9     |
| OZ(シ)    | ppm      | 11.7      | 8.2      | 10.4     | 8.5      | 8.8      | 8.8      | 8.7       | 12.2     |          | 12.1     | 10.4     | 10.1     | 8.1       | 8.1        | 8.1      |          | 7.9      | 8.8      |
| DYN-I    | g/m³     | <10.0     | 19.0     | <10.0    | 24.0     | 18.0     | 36.0     | 36.0      | 70.0     |          | 69.0     | 18.0     | 21.0     | 35.0      | 3.0        | 229.0    |          | 121.0    | 27.0     |
| DYN-W    | g/m³     | 0.0025    | 0.35     | 0.690    | 3.900    | 0.048    | 0.062    | 0.470     | 0.160    |          | 460.0    | 210.0    | 310.0    | 0.00015   | 0.00180    | 86.000   |          | 19.000   | 45.000   |
| 37ファ一    | g/m³     | 0.00029   | 0.35     | 0.700    | 3.900    | 0.052    | 0.067    | 0.530     | 0.210    |          | 420.0    | 210.0    | 310.0    | 0.00012   | 0.00180    | 85.000   |          | 18.000   | 43.000   |
| 37ファ一    | g/m³     | 0.000029  | 0.0015   | 0.0029   | 0.0130   | 0.0021   | 0.0036   | 0.000220  | 0.042    |          | 0.260    | 0.290    | 0.360    | 0.00069   | 0.0000084  | 1.6      |          | 0.220    | 0.820    |
| 37ファ一    | g/m³     | 0.0000029 | 0.0014   | 0.0029   | 0.0130   | 0.0020   | 0.0036   | 0.0000120 | 0.036    |          | 0.210    | 0.170    | 0.320    | 0.00068   | 0.00000094 | 1.6      |          | 0.220    | 0.820    |
| 滞留時間     | 秒        | 0.4284    | 0.3975   | 0.7654   | 0.3937   | 0.4682   | 0.4011   | 0.6482    | 0.4531   | 0.8798   | 0.5488   | 0.4344   | 0.4848   | 1.3259    | 1.2828     | 1.2681   |          | 0.220    | 0.820    |
| 火炉負荷     | kcal/m²  | 115108    | 143319   | 98847    | 150870   | 95298    | 137617   | 105372    | 128883   | 74001    | 74001    | 92809    | 125724   | 121022    | 53875      | 68425    | 69783    | 74783    | 84783    |
| 二次燃焼炉    |          |           |          |          |          |          |          |           |          |          |          |          |          |           |            |          |          |          |          |
| (SG2)    |          |           |          |          |          |          |          |           |          |          |          |          |          |           |            |          |          |          |          |
| 温度(タ)    | 842.2    | 812.0     | 836.9    | 841.2    | 862.3    | 844.9    | 826.1    | 808.0     | 670.3    | 659.7    | 775.7    | 855.0    | 844.2    | 657.0     | 830.0      | 709.0    |          | 812.0    | 905.0    |
| 湿度(シ)    | 634.0    | 765.0     | 598.0    | 729.0    | 586.0    | 775.0    | 662.0    | 783.0     | 593.0    | 576.0    | 718.0    | 760.0    | 765.0    | 227.0     | 221.0      | 203.0    |          | 1940.0   | 1920.0   |
| ガス量      | Nm³/h    | 5040.0    | 5160.0   | 4050.0   | 5550.0   | 4410.0   | 5030.0   | 5580.0    | 3470.0   | 3080.0   | 2240.0   | 3290.0   | 2520.0   | 227.0     | 221.0      | 203.0    |          | 26.1     | 212      |
| 水分       | %        | 15.8      | 14.9     | 12.5     | 18.0     | 16.5     | 18.4     | 14.5      | 6.0      | 5.3      | 7.9      | 11.9     | 16.2     | 32.2      | 25.4       | 28.6     |          | 8.2      | 9.1      |
| OZ(タ)    | ppm      | 12.4      | 9.1      | 10.5     | 8.8      | 10.9     | 8.4      | 8.1       | 11.1     | 12.1     | 10.9     | 8.7      | 8.8      | 8.2       | 8.1        | 8.4      |          |          |          |
| CO(タ)    | ppm      | <10.0     | <10.0    | 1.4      | 6.9      | 3.4      | 34.0     | 10.7      | 60.7     | 97.2     | 60.7     | 17.3     | 21.0     | 18.0      | <3.0       | 1870.0   |          |          |          |
| CO(シ)    | ppm      | <10.0     | 10.0     | <10.0    | <10.0    | <10.0    | 21.0     | <10.0     | 83.0     | 98.0     | 58.0     | 9.0      | 18.0     | 18.0      | <3.0       | 1870.0   |          |          |          |
| DYN-I    | g/m³     | 0.086     | 1.7      | 0.120    | 8.000    | 0.026    | 0.800    | 0.023     | 4.100    | 48.000   | 88.000   | 110.000  | 180.000  | 0.00098   | 0.00810    | 46.000   |          | 14.0     | 3.0      |
| DYN-W    | g/m³     | 0.085     | 1.6      | 0.120    | 7.9000   | 0.028    | 0.8200   | 0.023     | 3.700    | 38.000   | 78.000   | 100.000  | 170.000  | 0.00095   | 0.00830    | 46.000   |          | 11.000   | 3.0      |
| 37ファ一    | g/m³     | 0.0049    | 0.0093   | 0.0035   | 0.0130   | 0.00086  | 0.01800  | 0.0000100 | 0.014    | 0.054    | 0.060    | 0.087    | 0.200    | 0.0000087 | 0.0000100  | 0.500    |          | 0.110    | 0.039    |
| 37ファ一    | g/m³     | 0.0049    | 0.0092   | 0.0035   | 0.0130   | 0.00085  | 0.01700  | 0.0000084 | 0.014    | 0.050    | 0.051    | 0.077    | 0.180    | 0.0000040 | 0.0000066  | 0.490    |          | 0.110    | 0.038    |
| CB2s     | g/m³     | 580       | 200      | 200      | 1800     | 210      | 340      | 14000     | 530      | 8500     | 60000    | 44000    | 61000    | 0.0000040 | 0.0000066  | 0.490    |          |          |          |
| CPHs     | g/m³     | 540       | 1000     | 82       | 2200     | 200      | 390      | 15000     | 940      | 8700     | 52000    | 71000    | 62000    | 0.0000040 | 0.0000066  | 0.490    |          |          |          |
| HC       | ppm      | <10.0     | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0     | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0     | <10.0      | <10.0    |          |          |          |
| ばいじん     | g/m³     | <10.0     | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0     | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0     | <10.0      | <10.0    |          |          |          |
| HCl(タ)   | ppm      | *         | *        | *        | 0.057    | 0.240    | 0.160    | 0.830     | 0.280    | 0.200    | 0.180    | 0.220    | 0.240    | 0.180     | <3.0       | 1870.0   |          |          |          |
| HCl(シ)   | ppm      | 36.0      | 80.0     | 18.0     | 55.0     | 18.0     | 300.000  | 200.000   | 590.0    | 467.500  | 331.700  | 288.000  | 278.000  | 0.00098   | 0.00810    | 46.000   |          | 14.0     | 3.0      |
| SOx(タ)   | ppm      | 0.3       | 0.0      | 0.0      | 10.0     | 10.0     | 8.4      | 36.400    | 39.000   | 0.000    | 0.000    | 0.800    | 0.700    | 0.00095   | 0.00830    | 46.000   |          | 11.000   | 3.0      |
| SOx(シ)   | ppm      | 6.1       | 4.9      | 20.0     | 17.0     | 48.000   | 44.000   | 1.3       | 2.2      | 2.2      | 2.2      | 3.0      | 2.7      | 0.0000087 | 0.0000100  | 0.500    |          | 0.110    | 0.039    |
| NOx(タ)   | ppm      | 30.4      | 24.8     | 181.2    | 143.4    | 86.7     | 81.4     | 0.1       | 0.1      | 16.2     | 16.4     | 43.2     | 43.2     | 0.0000087 | 0.0000100  | 0.500    |          | 0.110    | 0.039    |
| NOx(シ)   | ppm      | 35.0      | 25.0     | 198.0    | 161.0    | 89.0     | 98.0     | 15.0      | 16.0     | 17.0     | 18.0     | 51.0     | 51.0     | 0.0000087 | 0.0000100  | 0.500    |          | 0.110    | 0.039    |
| TOX      | ppm      | 530.0     | 460.0    | 630      | 220      | 27       | 31       | 660       | 2100     | 300      | 1400     | 1100     | 860      | 0.0000040 | 0.0000066  | 0.490    |          | 0.110    | 0.038    |
| ベンゼン     | ppb      | <10.0     | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0     | <10.0    | <10.0    | <10.0    | <10.0    | <10.0    | <10.0     | <10.0      | <10.0    |          |          |          |
| Br-DXN-I | g/m³     | 0.0       | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0       | 0.0      | 0.0      | 0.0      | 0.0      | 0.0      | 0.0       | 0.0        | 0.0      |          |          |          |
| 滞留時間     | 秒        | 1.1413    | 1.0908   | 1.7211   | 1.1204   | 1.4478   | 1.8877   | 1.2270    | 2.2081   | 2.0408   | 1.4056   | 1.2169   | 1.2947   | 2.6625    | 2.4669     | 2.4465   |          | 2.3725   | 2.3200   |
| 火炉負荷     | kcal/m²  | 94912     | 118175   | 81588    | 124237   | 78579    | 86886    | 106272    | 61018    | 61018    | 76527    | 103667   | 99790    | 42255     | 53667      | 54731    |          | 58281    | 66496    |
| 理論ガス量    | m³       | 3418      | 3125     | 2360     | 3120     | 2845     | 2242     | 2731      | 1850     | 2042     | 2540     | 2815     | 2633     |           |            |          |          |          |          |

(財)産業物研究財団 情報実験センター DXN測定時の実験データ(2/3)

[illegible]

(財)産業物研究財団 播磨実験センター DXN測定時の実験データ(3/3)

| RUN No.           | 種類                 | 0-1 | 0-2 | 1-1 | 1-2 | 2-1   | 2-2   | 3-1 | 3-2  | 4-1               | 4-2               | 4-3              | 4-4              | 4-5              | 5-1   | 5-2   | 6-1               | 6-2               | 6-3              | 6-4              | 6-5 |  |
|-------------------|--------------------|-----|-----|-----|-----|-------|-------|-----|------|-------------------|-------------------|------------------|------------------|------------------|-------|-------|-------------------|-------------------|------------------|------------------|-----|--|
| 焼却物<br>その他        |                    |     |     | 木くず | 木くず | コーヒー相 | コーヒー相 | 廃油系 | 廃油系  | 廃7/7/塩に<br>活性成分なし | 廃7/7/塩に<br>活性成分あり | 廃7/7/塩に<br>NH3なし | 廃7/7/塩に<br>NH3なし | 廃7/7/塩に<br>NH3あり | コーヒー相 | コーヒー相 | 廃7/7/塩に<br>活性成分なし | 廃7/7/塩に<br>活性成分あり | 廃7/7/塩に<br>NH3なし | 廃7/7/塩に<br>NH3あり | 6-5 |  |
| 除じん器前             | ばいじん               |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | ガス量                |     |     |     |     |       |       |     |      | 0.440             | 0.330             |                  |                  |                  |       |       | 0.180             | 0.320             |                  |                  |     |  |
|                   | 水分                 |     |     |     |     |       |       |     |      | 2620.0            | 3340.0            |                  |                  |                  |       |       | 3.0               | 1500.0            |                  |                  |     |  |
|                   | %                  |     |     |     |     |       |       |     |      | 33.0              | 33.7              |                  |                  |                  |       |       | 42.4              | 25.7              |                  |                  |     |  |
|                   | O <sub>2</sub> (%) |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | g/Nm <sup>3</sup>  |     |     |     |     |       |       |     |      | 10.000            | 13.000            |                  |                  |                  |       |       | 9.0               | 9.5               |                  |                  |     |  |
|                   | DXN-I              |     |     |     |     |       |       |     |      | 10.000            | 13.000            |                  |                  |                  |       |       | 7.300             | 15.000            |                  |                  |     |  |
|                   | DXN-W              |     |     |     |     |       |       |     |      | 10.000            | 13.000            |                  |                  |                  |       |       | 7.700             | 15.000            |                  |                  |     |  |
| 除じん器後             | 777-I              |     |     |     |     |       |       |     |      | 0.056             | 0.081             |                  |                  |                  |       |       | 0.500             | 0.570             |                  |                  |     |  |
|                   | 777-W              |     |     |     |     |       |       |     |      | 0.055             | 0.080             |                  |                  |                  |       |       | 0.500             | 0.570             |                  |                  |     |  |
|                   | g/Nm <sup>3</sup>  |     |     |     |     |       |       |     |      | 0.024             | 0.027             |                  |                  |                  |       |       | <0.001            | <0.001            |                  |                  |     |  |
|                   | ばいじん               |     |     |     |     |       |       |     |      | 2850.0            | 3210.0            |                  |                  |                  |       |       | 1410.0            | 1360.0            |                  |                  |     |  |
|                   | ガス量                |     |     |     |     |       |       |     |      | 30.7              | 32.6              |                  |                  |                  |       |       | 40.1              | 35.3              |                  |                  |     |  |
|                   | %                  |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       | 9.4               | 9.9               |                  |                  |     |  |
|                   | O <sub>2</sub> (%) |     |     |     |     |       |       |     |      | 0.140             | 0.130             |                  |                  |                  |       |       | 20.000            | 3.400             |                  |                  |     |  |
|                   | DXN-I              |     |     |     |     |       |       |     |      | 0.140             | 0.140             |                  |                  |                  |       |       | 21.000            | 3.400             |                  |                  |     |  |
| スクリーン<br>出口       | DXN-W              |     |     |     |     |       |       |     |      | 0.002             | 0.0013            |                  |                  |                  |       |       | 1.800             | 0.066             |                  |                  |     |  |
|                   | 777-I              |     |     |     |     |       |       |     |      | 0.002             | 0.0013            |                  |                  |                  |       |       | 1.800             | 0.066             |                  |                  |     |  |
|                   | 777-W              |     |     |     |     |       |       |     |      | 0.002             | 0.0013            |                  |                  |                  |       |       | 1.800             | 0.066             |                  |                  |     |  |
|                   | g/Nm <sup>3</sup>  |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       | 1600.0            | 470.0             |                  |                  |     |  |
|                   | HCl(%)             |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | g/Nm <sup>3</sup>  |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | Sox(%)             |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | ppm                |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
| スクリーン<br>出口       | ばいじん               |     |     |     |     |       |       |     |      | 0.0053            | 0.0180            |                  |                  |                  |       |       | 2.200             | <1.0              |                  |                  |     |  |
|                   | ガス量                |     |     |     |     |       |       |     |      | 3740.0            | 4540.0            |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | 水分                 |     |     |     |     |       |       |     |      | 27.3              | 27.4              |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | %                  |     |     |     |     |       |       |     |      | 1.900             | 0.470             |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | DXN-I              |     |     |     |     |       |       |     |      | 2.000             | 0.490             |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | DXN-W              |     |     |     |     |       |       |     |      | 0.078             | 0.021             |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | 777-I              |     |     |     |     |       |       |     |      | 0.078             | 0.021             |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
|                   | 777-W              |     |     |     |     |       |       |     |      | 0.078             | 0.021             |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
| g/Nm <sup>3</sup> |                    |     |     |     |     |       |       |     | 25.0 | 40.0              |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
| HCl(%)            |                    |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
| g/Nm <sup>3</sup> |                    |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
| Sox(%)            |                    |     |     |     |     |       |       |     |      |                   |                   |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |
| ppm               |                    |     |     |     |     |       |       |     |      | 2.3               | <2.0              |                  |                  |                  |       |       |                   |                   |                  |                  |     |  |

(WHO-TEF)

排ガス DXN類毒性に占めるCo-PCBの割合

|     | 単位                  | 1-1    | 1-2   | 2-1    | 2-2   | 3-1    | 3-2       | 4-1   | 4-2  | 4-3   |
|-----|---------------------|--------|-------|--------|-------|--------|-----------|-------|------|-------|
| SG1 | Co-PCB              | 0.0029 | 0.013 | 0.002  | 0.001 | 0.0038 | 0.000012  | 0.036 |      | 0.21  |
|     | DXN                 | 0.7    | 3.9   | 0.052  | 0.067 | 0.53   | 0.21      | 77    |      | 420   |
|     | Co-PCB/DXN          | 0.41   | 0.33  | 3.85   | 1.49  | 0.72   | 0.01      | 0.05  |      | 0.05  |
|     | Co-PCB/(DXN+Co-PCB) | 0.41   | 0.33  | 3.70   | 1.47  | 0.71   | 0.01      | 0.05  |      | 0.05  |
| SG2 | Co-PCB              | 0.0035 | 0.013 | 0.0085 | 0.017 | 0.064  | 0.0000084 | 0.014 | 0.05 | 0.051 |
|     | DXN                 | 0.12   | 7.8   | 0.028  | 0.82  | 16     | 0.023     | 3.7   | 38   | 79    |
|     | Co-PCB/DXN          | 2.92   | 0.17  | 3.04   | 2.07  | 0.40   | 0.04      | 0.38  | 0.13 | 0.06  |
|     | Co-PCB/(DXN+Co-PCB) | 2.83   | 0.17  | 2.95   | 2.03  | 0.40   | 0.04      | 0.38  | 0.13 | 0.06  |
| SG3 | Co-PCB              |        |       |        |       |        |           |       |      |       |
|     | DXN                 |        |       |        |       |        |           |       |      |       |
|     | Co-PCB/DXN          |        |       |        |       |        |           |       |      |       |
|     | Co-PCB/(DXN+Co-PCB) |        |       |        |       |        |           |       |      |       |
| 炉出口 | Co-PCB              |        |       |        |       |        |           |       |      |       |
|     | DXN                 |        |       |        |       |        |           |       |      |       |
|     | Co-PCB/DXN          |        |       |        |       |        |           |       |      |       |
|     | Co-PCB/(DXN+Co-PCB) |        |       |        |       |        |           |       |      |       |

|     | 単位                  | 4-4   | 4-5  | 5-1      | 5-2       | 6-1   | 6-2  | 6-3   | 6-4   | 6-5    |
|-----|---------------------|-------|------|----------|-----------|-------|------|-------|-------|--------|
| SG1 | Co-PCB              | 0.17  | 0.32 | 0.00068  | 0.0000094 | 1.6   |      | 0.22  | 0.61  | 0.17   |
|     | DXN                 | 210   | 310  | 0.00012  | 0.0018    | 85    |      | 18    | 43    | 13     |
|     | Co-PCB/DXN          | 0.08  | 0.10 | 566.67   | 0.52      | 1.88  |      | 1.22  | 1.42  | 1.31   |
|     | Co-PCB/(DXN+Co-PCB) | 0.08  | 0.10 | 85.00    | 0.52      | 1.85  |      | 1.21  | 1.40  | 1.29   |
| SG2 | Co-PCB              | 0.077 | 0.18 | 0.000004 | 0.0000066 | 0.49  |      | 0.11  | 0.15  | 0.038  |
|     | DXN                 | 100   | 170  | 0.00095  | 0.0093    | 46    |      | 11    | 12    | 3.1    |
|     | Co-PCB/DXN          | 0.08  | 0.11 | 0.42     | 0.07      | 1.07  |      | 1.00  | 1.25  | 1.23   |
|     | Co-PCB/(DXN+Co-PCB) | 0.08  | 0.11 | 0.42     | 0.07      | 1.05  |      | 0.99  | 1.23  | 1.21   |
| SG3 | Co-PCB              |       |      | 0.0025   | 0.000031  | 0.29  |      | 0.033 | 0.068 | 0.014  |
|     | DXN                 |       |      | 0.0034   | 0.0038    | 26    |      | 2.5   | 5.4   | 1.5    |
|     | Co-PCB/DXN          |       |      | 73.53    | 0.82      | 1.12  |      | 1.32  | 1.26  | 0.93   |
|     | Co-PCB/(DXN+Co-PCB) |       |      | 42.37    | 0.81      | 1.10  |      | 1.30  | 1.24  | 0.92   |
| 炉出口 | Co-PCB              |       |      | 0.00001  | 0.000028  | 0.062 | 0.14 | 0.011 | 0.03  | 0.0027 |
|     | DXN                 |       |      | 0.0041   | 0.0011    | 4.8   | 16   | 0.93  | 2     | 0.16   |
|     | Co-PCB/DXN          |       |      | 0.24     | 2.55      | 1.29  | 0.88 | 1.18  | 1.50  | 1.69   |
|     | Co-PCB/(DXN+Co-PCB) |       |      | 0.24     | 2.48      | 1.28  | 0.87 | 1.17  | 1.48  | 1.66   |

主灰・飛灰 DXN類毒性に占めるCo-PCBの割合 (WHO-TEF)

| 飛灰                  | 単位 | 1-1      | 1-2      | 2-1      | 2-2      | 3-1      | 3-2      | 4-1      | 4-2      | 4-3      |
|---------------------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                     |    | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g |
| Co-PCB              |    | 0.026    | 0.017    | 0.026    | 0.00088  | 0.12     | 0.043    | 0.037    | 0.082    | 0.097    |
| DXN                 |    | 1.3      | 0.66     | 1.7      | 0.058    | 6.5      | 0.96     | 5.6      | 6.1      | 22       |
| Co-PCB/DXN          | %  | 2.00     | 2.58     | 1.53     | 1.52     | 1.85     | 4.48     | 0.66     | 1.34     | 0.44     |
| Co-PCB/(DXN+Co-PCB) | %  | 1.96     | 2.51     | 1.51     | 1.49     | 1.81     | 4.29     | 0.66     | 1.33     | 0.44     |

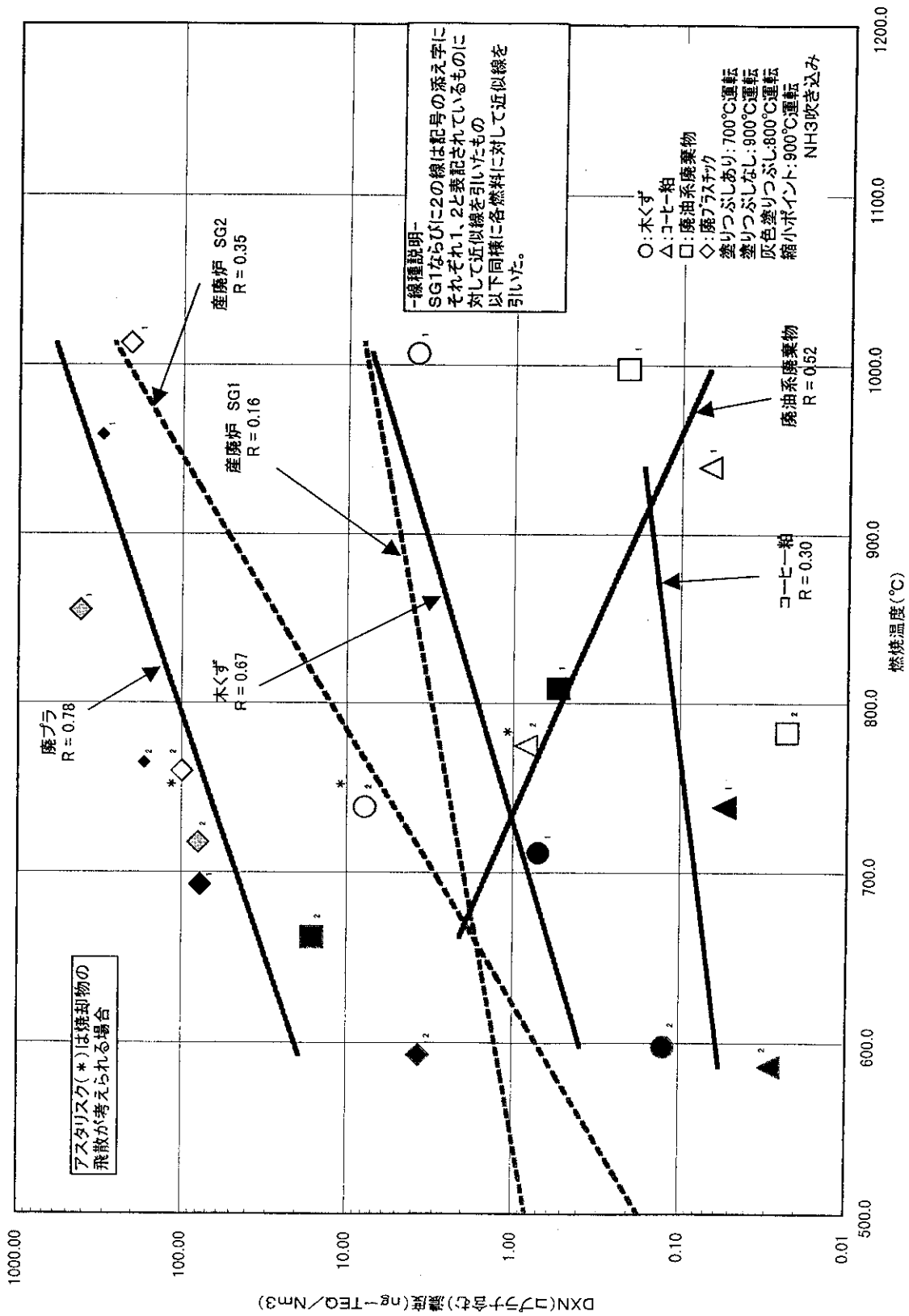
| 4-4  | 4-5  | 5-1   | 5-2   | 6-1  | 6-2  | 6-3  | 6-4  | 6-5  |
|------|------|-------|-------|------|------|------|------|------|
| 0.21 | 0.25 | 0.057 | 0.074 | 0.38 | 0.24 | 0.31 | 0.22 | 0.2  |
| 26   | 37   | 2.1   | 2.9   | 11   | 8.1  | 4.2  | 3    | 2.8  |
| 0.81 | 0.68 | 2.71  | 2.55  | 3.45 | 2.96 | 7.38 | 7.33 | 7.14 |
| 0.80 | 0.67 | 2.64  | 2.49  | 3.34 | 2.88 | 6.87 | 6.83 | 6.67 |

| 主灰                  | 単位 | 1-1      | 1-2      | 2-1      | 2-2      | 3-1      | 3-2      | 4-1      | 4-2      | 4-3      |
|---------------------|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                     |    | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g | ng-TEQ/g |
| Co-PCB              |    | 0.006    | 0.014    | 0.0039   | 0.014    | 0.00045  | 0.00057  | 0.0025   |          | 0.027    |
| DXN                 |    | 0.19     | 0.4      | 0.095    | 0.26     | 0.096    | 0.045    | 0.14     |          | 1.5      |
| Co-PCB/DXN          | %  | 3.16     | 3.50     | 4.11     | 5.38     | 0.47     | 1.27     | 1.79     |          | 1.80     |
| Co-PCB/(DXN+Co-PCB) | %  | 3.06     | 3.38     | 3.94     | 5.11     | 0.47     | 1.25     | 1.75     |          | 1.77     |

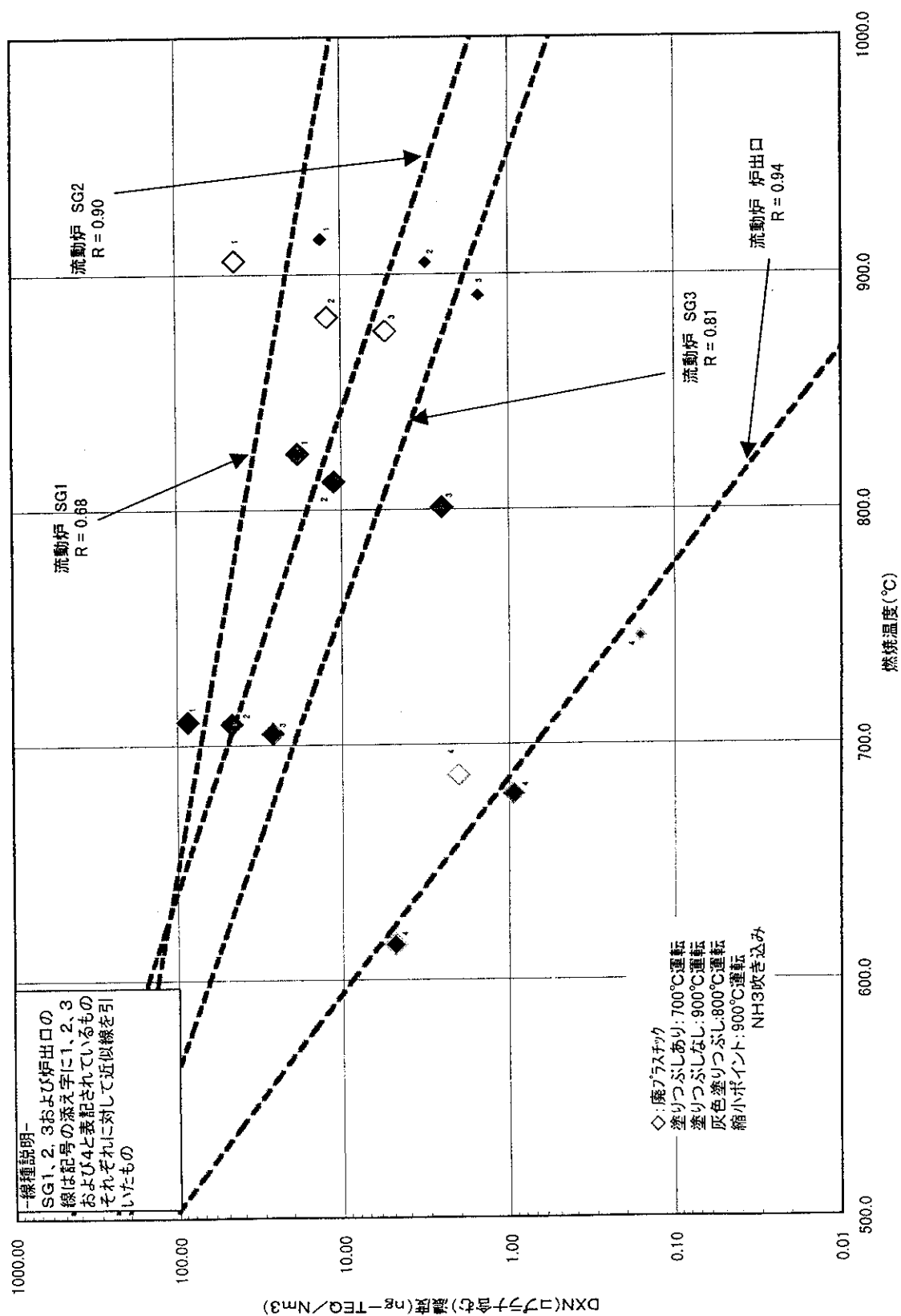
| 4-4   | 4-5 | 5-1 | 5-2 | 6-1 | 6-2 | 6-3 | 6-4 | 6-5 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| 0.035 |     |     |     |     |     |     |     |     |
| 2.1   |     |     |     |     |     |     |     |     |
| 1.67  |     |     |     |     |     |     |     |     |
| 1.64  |     |     |     |     |     |     |     |     |

## 相 関 グ ラ フ 集

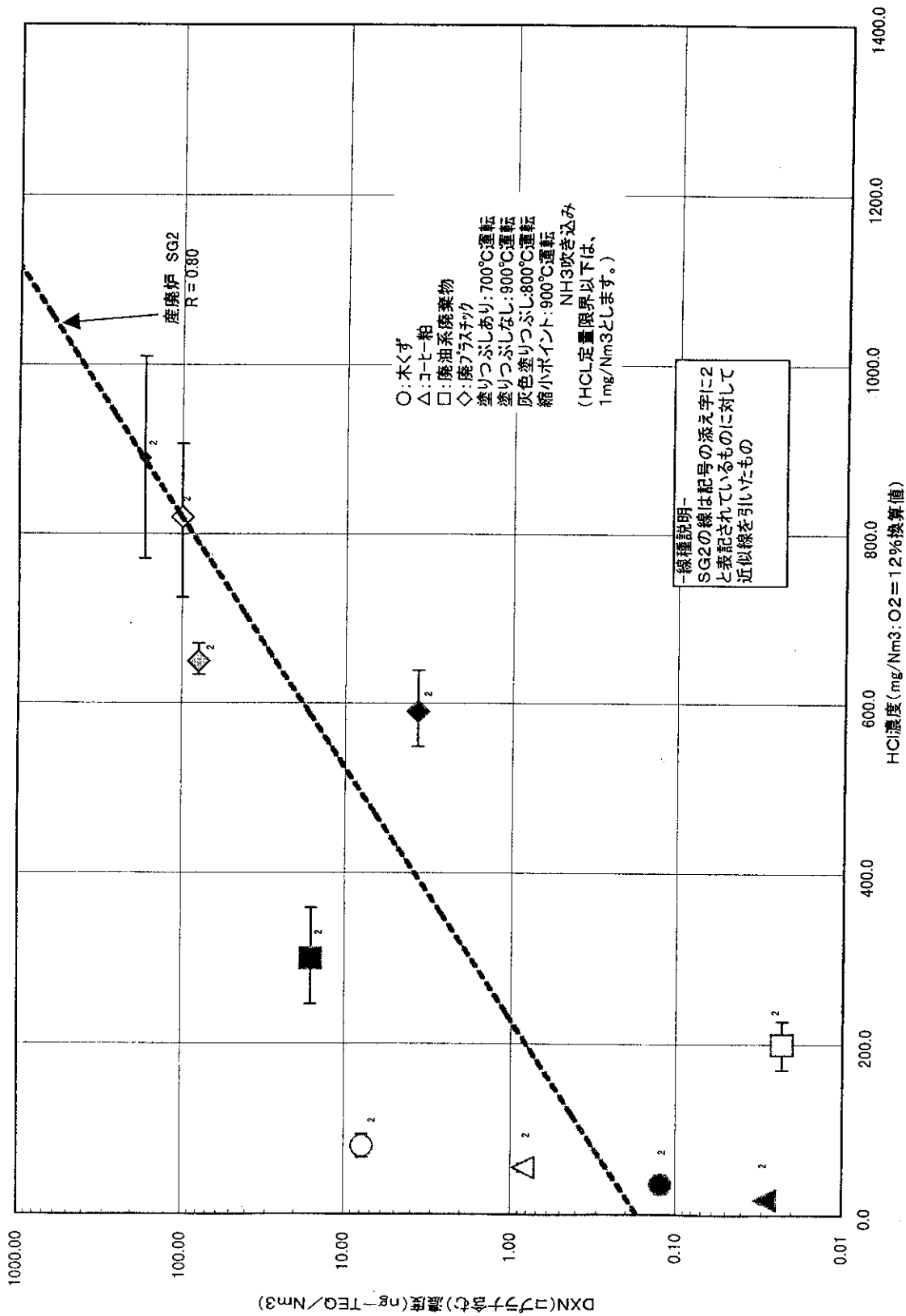




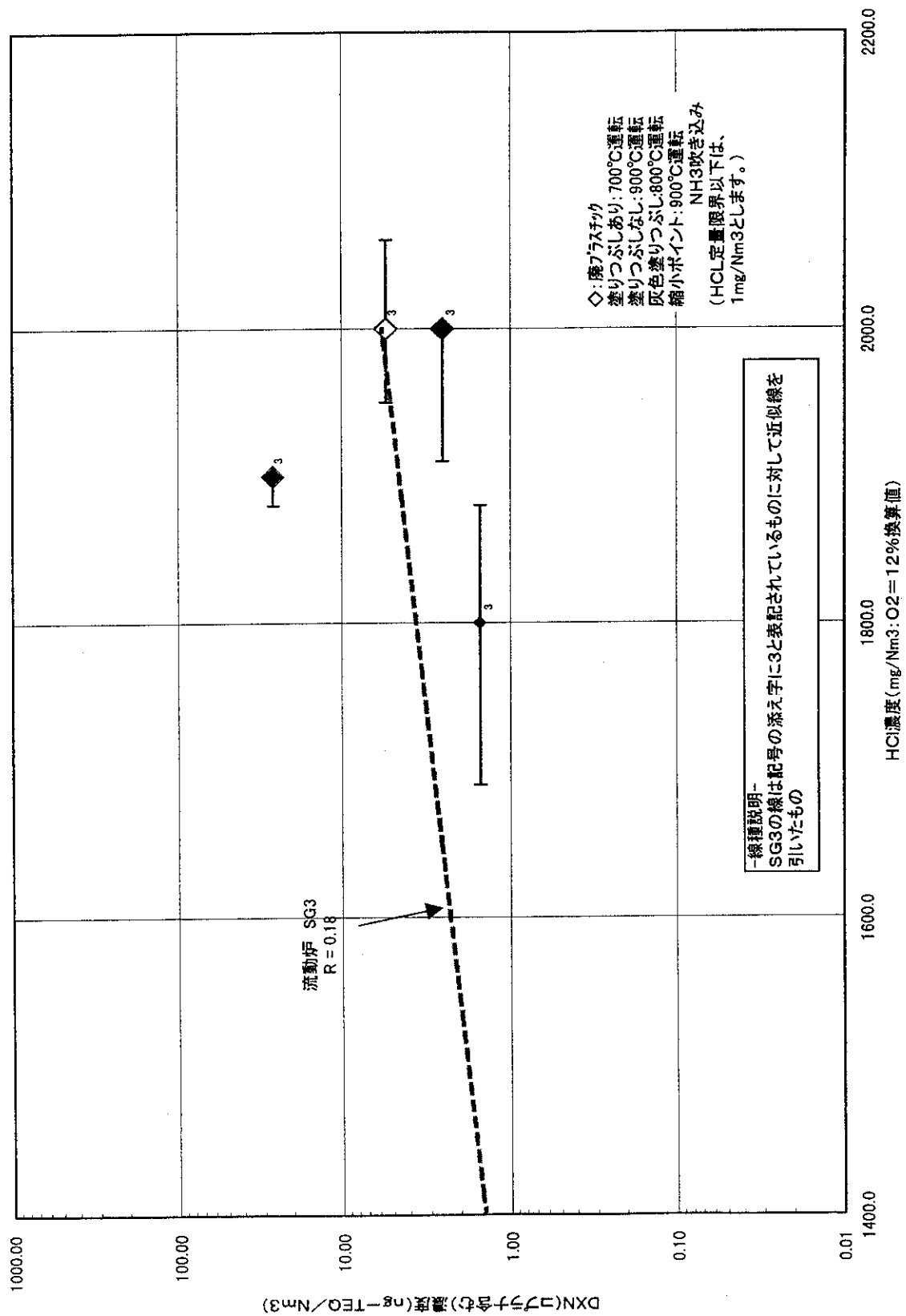
グラフ1 DXN濃度-燃焼温度(ロータリーキルン+ストーカ炉)



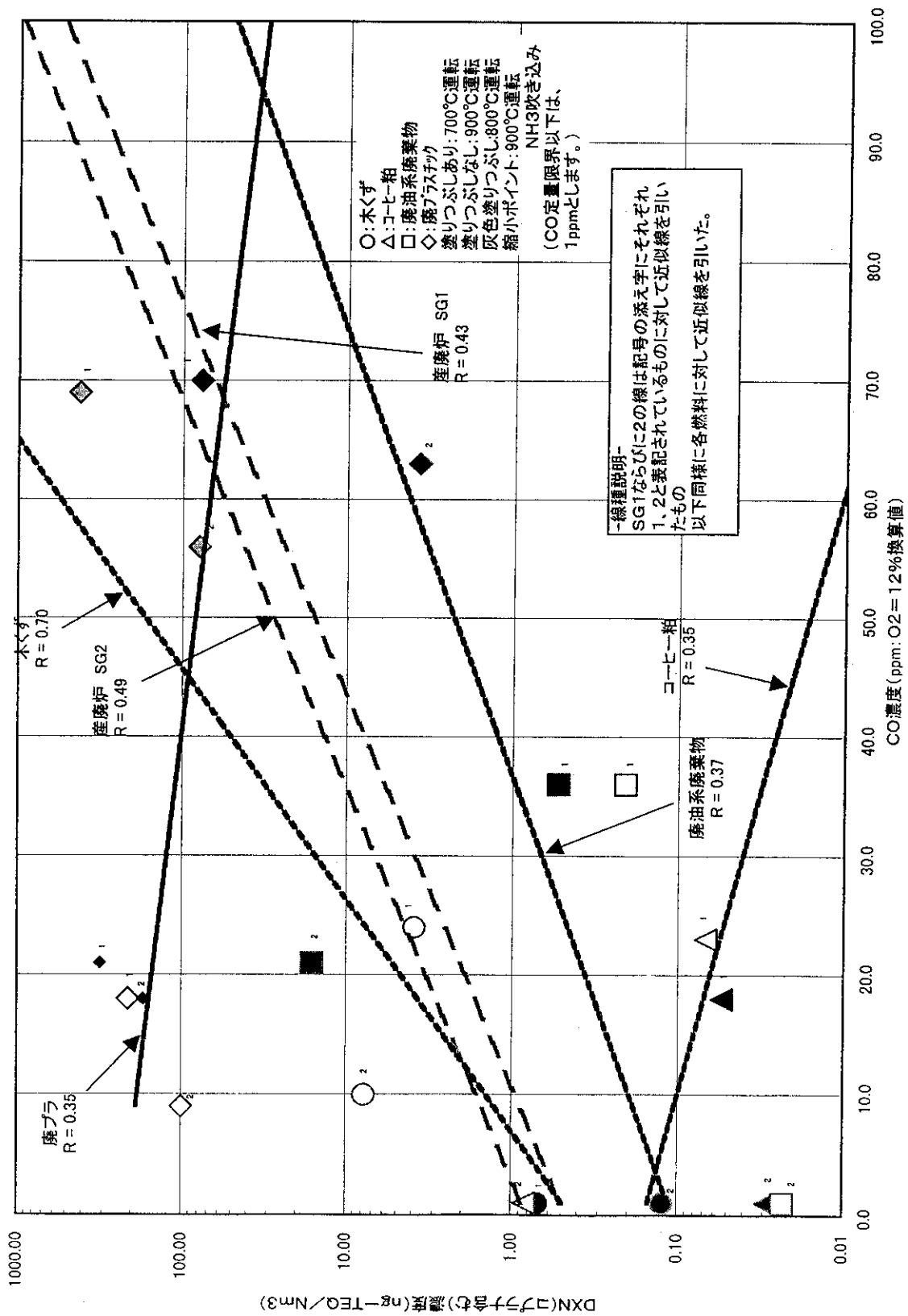
グラフ2 DXN濃度-燃焼温度(流動炉)



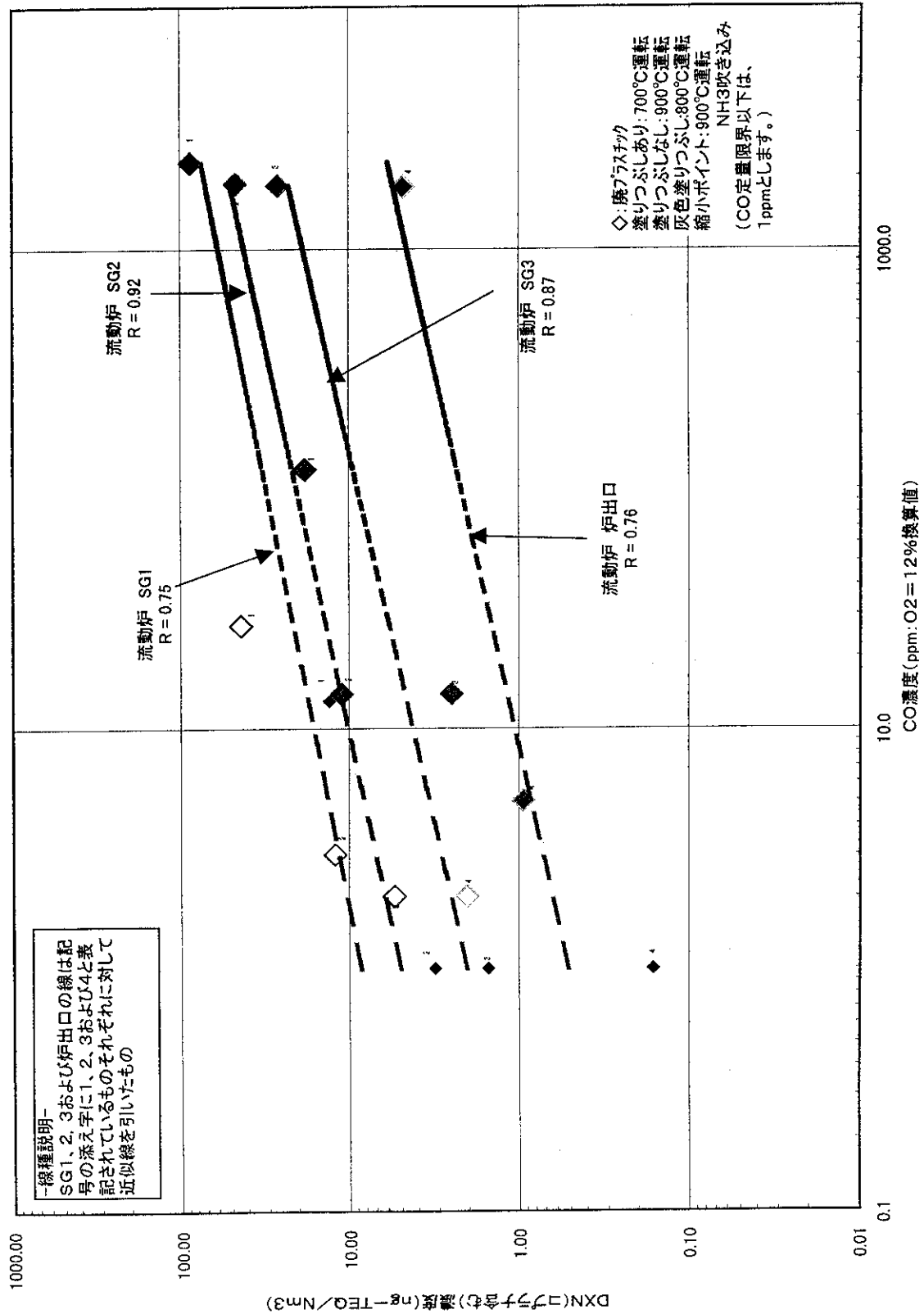
グラフ3 DXN濃度-HCl濃度(ロータリーキルン+ストークス炉)



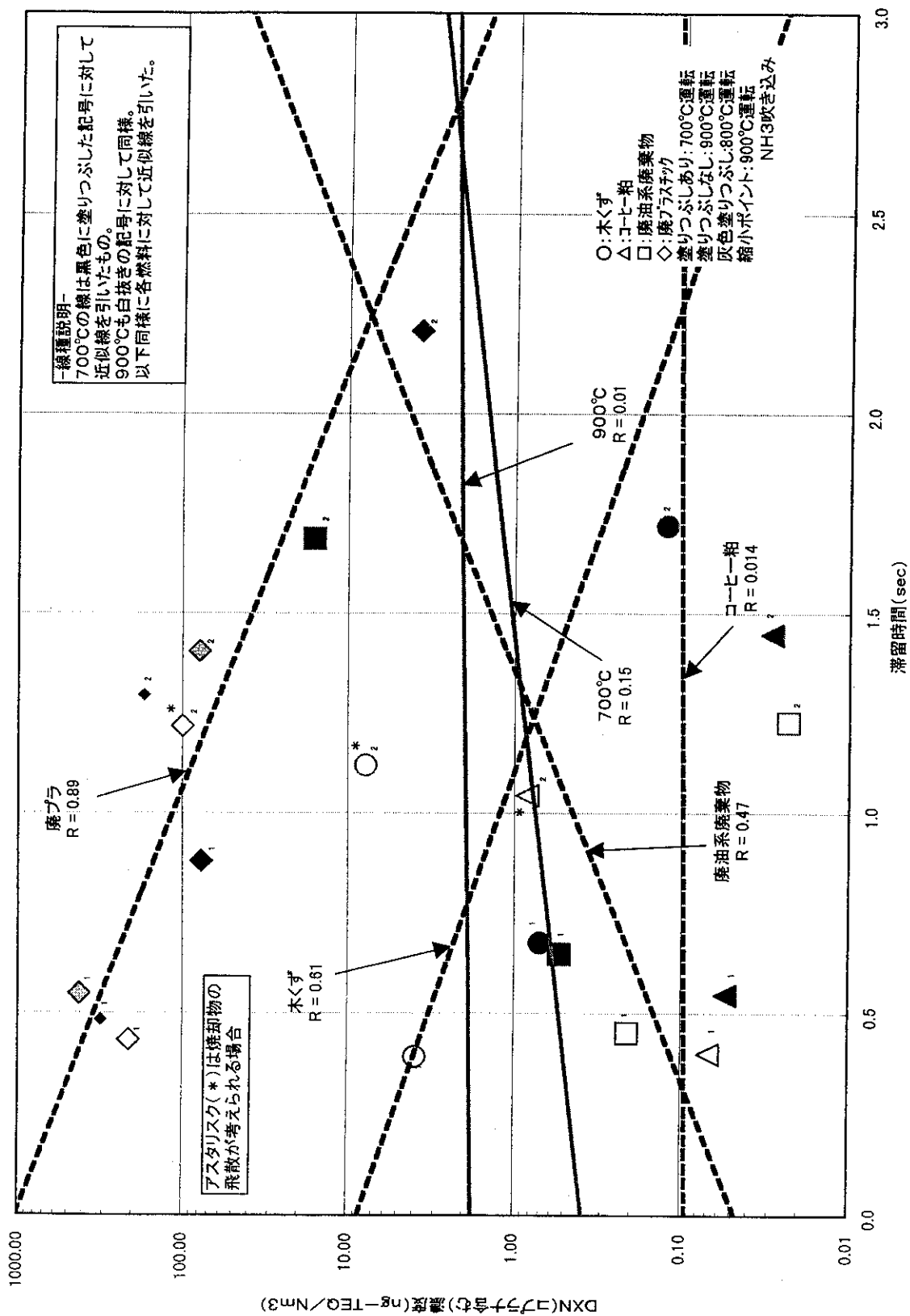
グラフ4 DXN濃度-HCl濃度(流動炉)



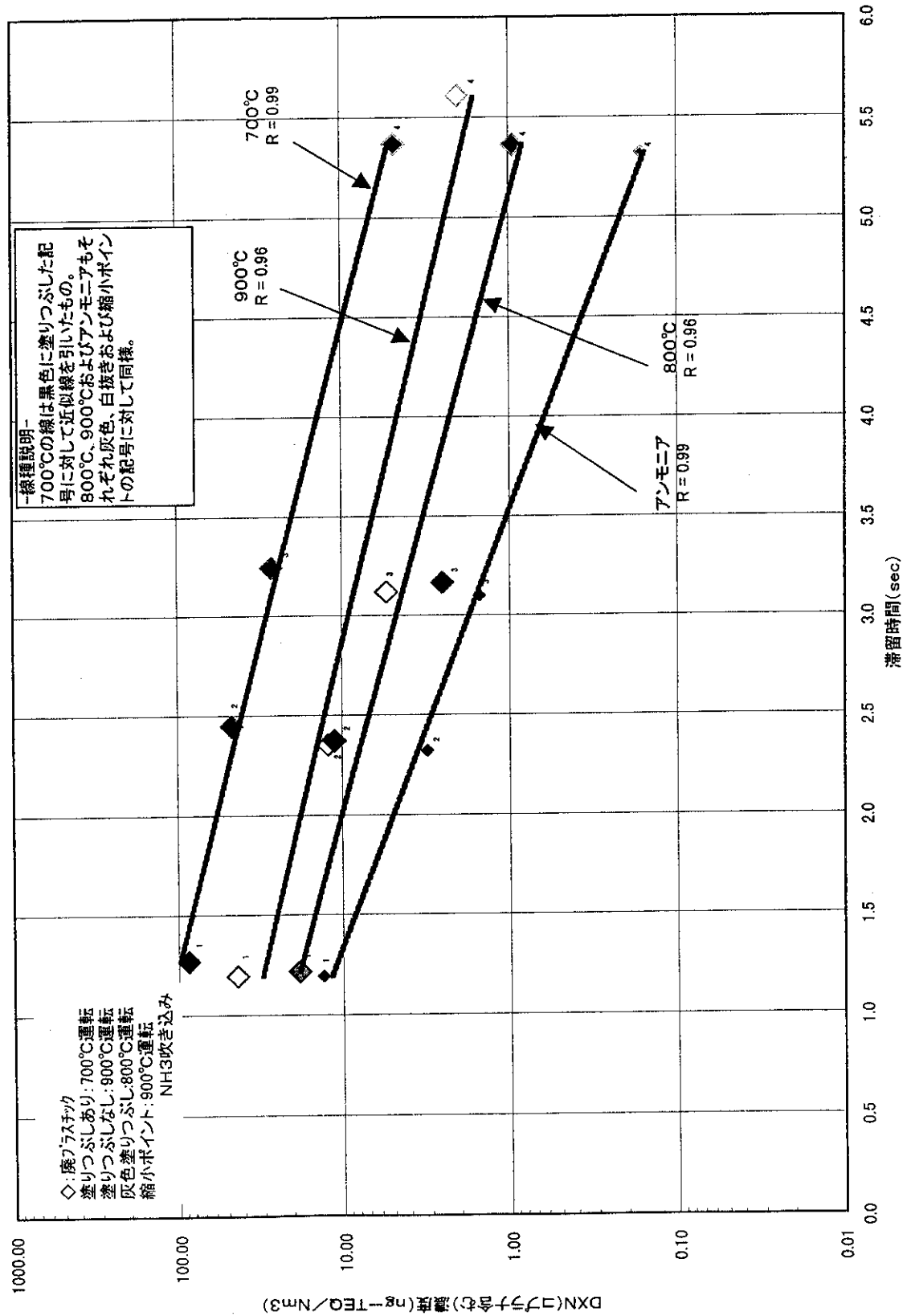
グラフ5 DXN濃度-CO濃度(ロータリーキルン+ストーカ炉)



グラフ6 DXN濃度-CO濃度(流動炉)

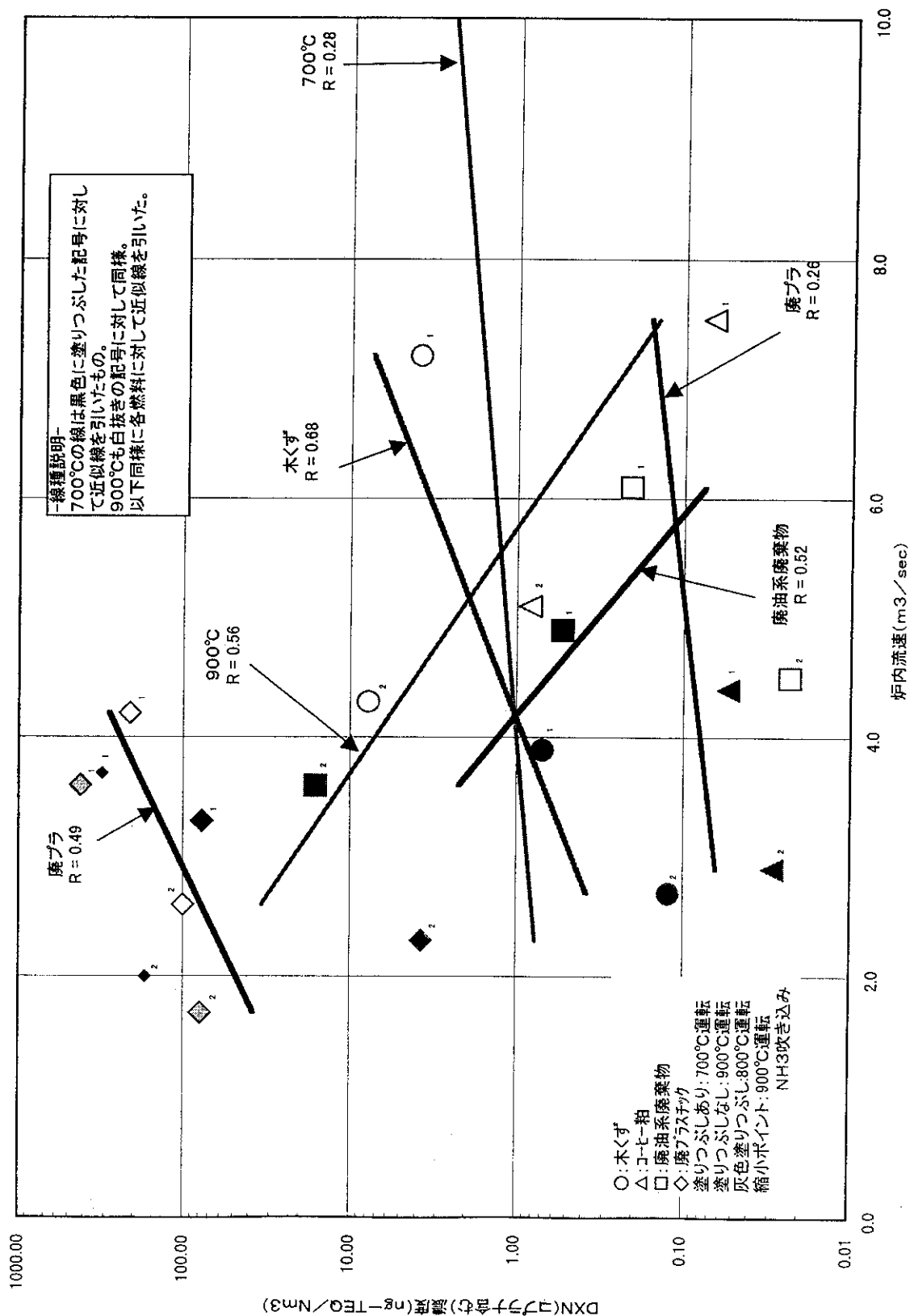


グラフ7 DXN濃度-滞留時間(ロータリーキルン+ストーカ炉)

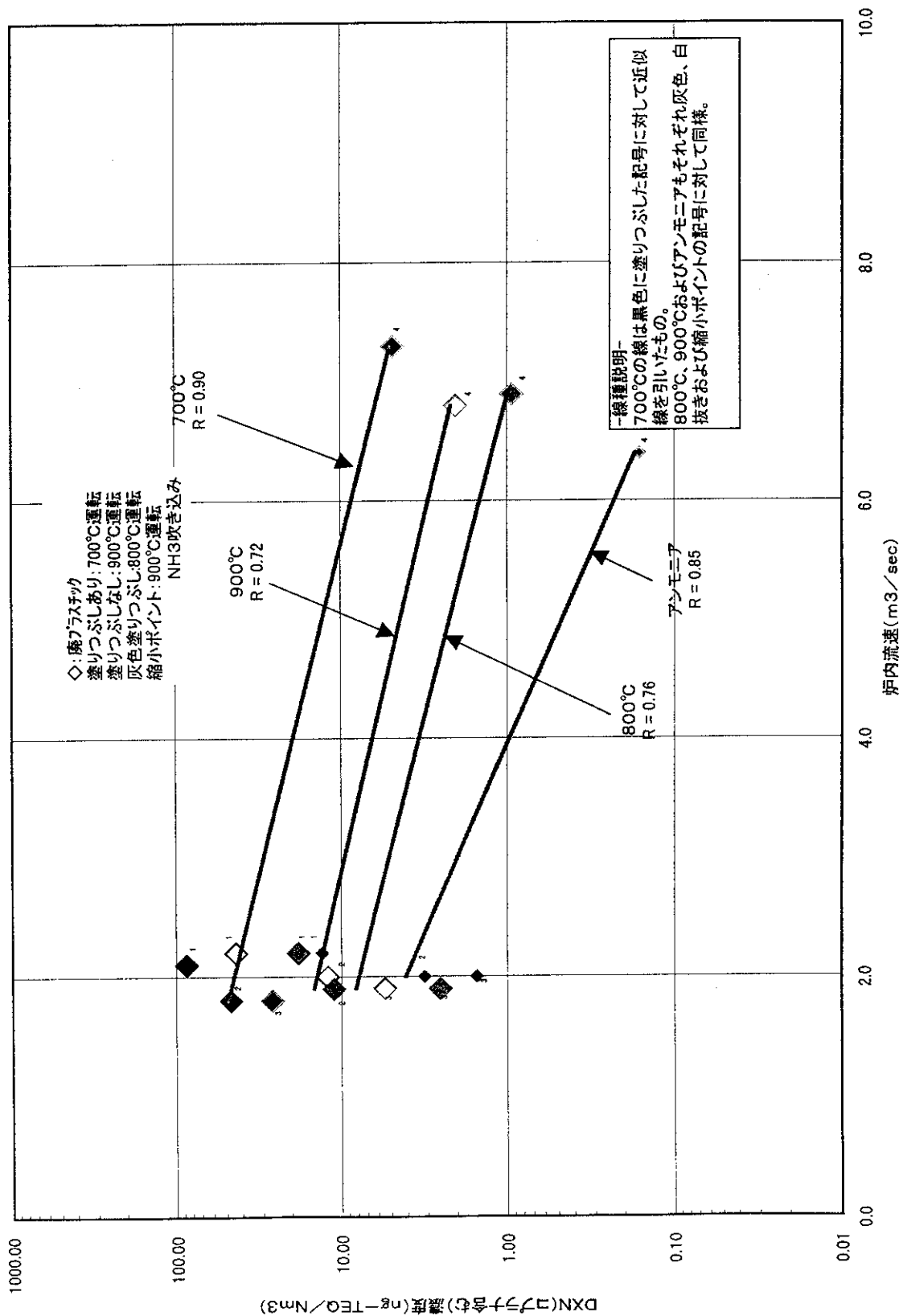


グラフ8 DXN濃度-滞留時間(流動炉)

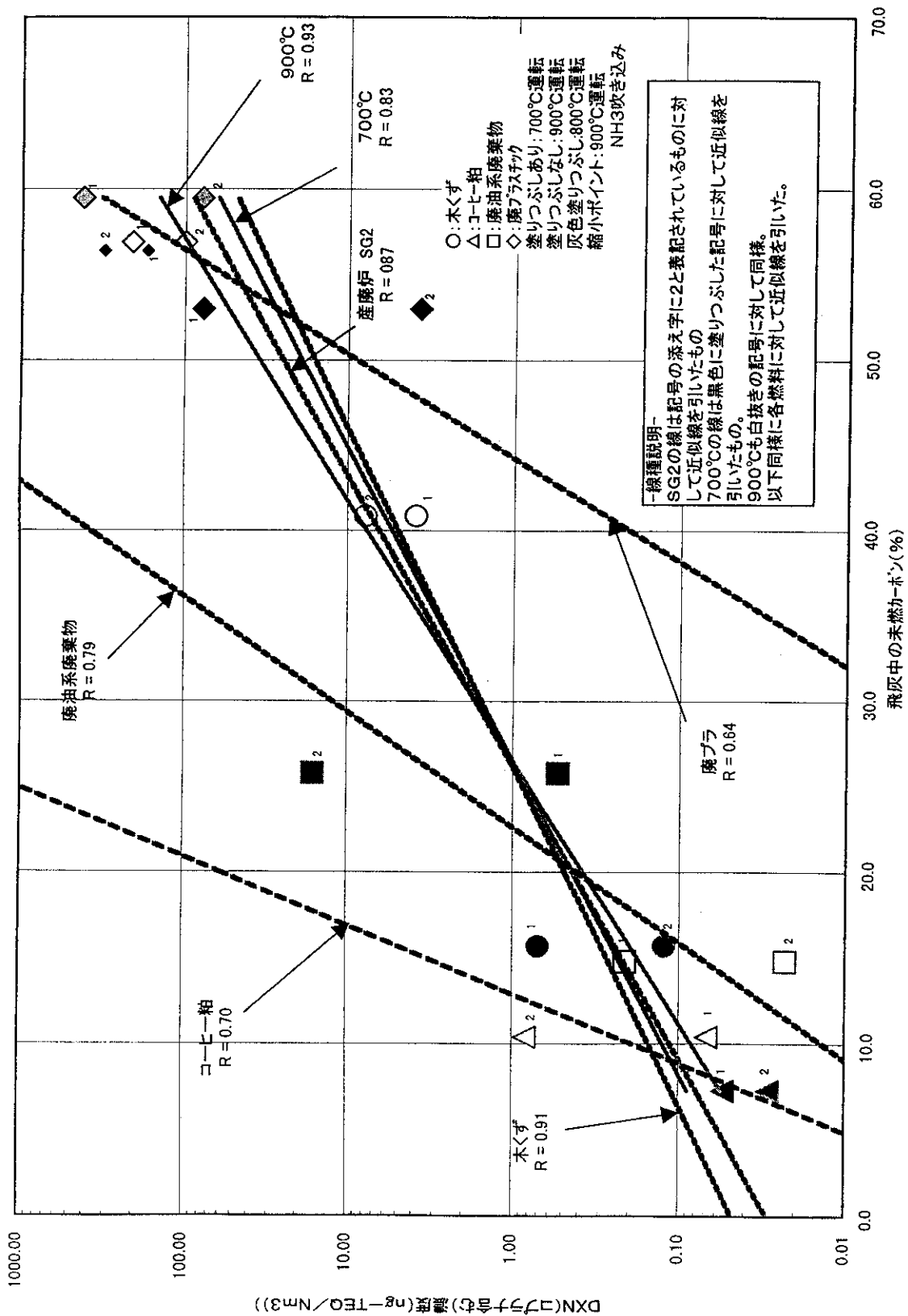




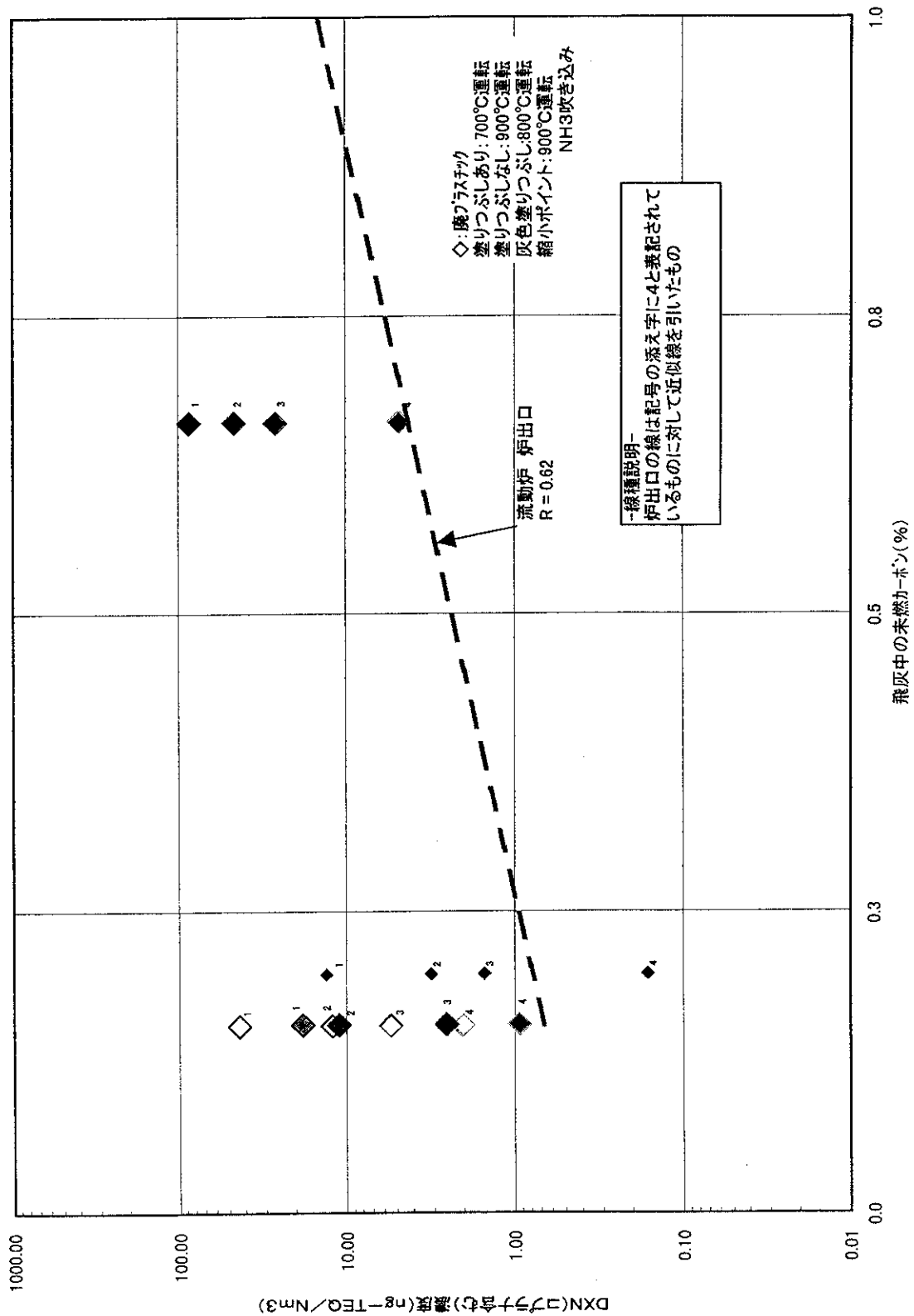
グラフ9 DXN濃度-炉内流速(ローターキルン+ストーカ炉)



グラフ10 DXN濃度-炉内流速(流動炉)



グラフ11 DXN濃度-飛灰中の未燃カーボン(ロータリーキルン+ストーク炉)



グラフ12 DXN濃度-飛灰中の未燃カーボン(流動炉)