Gas made from Cut Peat in Merrifield Gas Generator at Toronto Junction.

| | | | | | Water | Water-gas, per cent. | r cent. | | | | | 4 | Producer-gas, per cent, | r-gas, p | er cen | فد | 7.7 | producer gas, per cent. | producer gas, per cent. | e se | |
|---|-------|-------|-----------|-------|-------|--------------------------------------|---------|-------|-------|-------|-------|------|-------------------------|----------|--------|------|------------|----------------------------|-----------------------------------|--|------|
| Sample No. | 1 | 61 | 22 | * | 5 | 9 | 1- | œ | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Benzine and benziles | 4. | 9. | 2 | 60 | 6.0 | 0.0 | 10. | *1. | ×. | 7 | 00. | 1.8 | 1.2 | 1.6 | 1.0 | 1.2 | ž. | 10 | 9 | 1- | 90 |
| Illuminant | 67 | 63 | 5. | 99 | 6.5 | 9 | ** | œ. | 2. | 57 | 57 | 63 | οį | 4 | 4. | 9. | 63 | 5. | 00. | 9 | 49 |
| Carbon monoxide, CO | 17.8 | 17.8 | 17.4 | 17.3 | 17.2 | 17.4 | 17.2 | 17.2 | 16.8 | 16.8 | 16.5 | 13.6 | 13.6 | 7 8 | 8. | 11.6 | 15 0 | 0 15.4 | 15 25 16 | 39 | 16.2 |
| Hydrogen, H | 14 9 | 12.1 | 13 02 | 12.87 | 12 98 | 12.50 | 13.6 | 12.5 | 12 43 | 12.34 | 12 58 | 8.56 | 8 99 | 4.19 | 4.87 | 3.13 | 13 12.5 | 5 12.6 | 11.8 | 12.2 12. | 12.3 |
| Methane, CH, | 4.15 | 4 26 | 5.48 | 6.11 | 5.19 | 5.86 | 2 2 | 5.86 | 6.17 | 6.17 | 6 23 | 7.14 | 7.49 | 5 24 | 5.24 | 4 68 | 3.9 | 4 0 | 52 | 4.1 | 4.6 |
| Охукев, О | 0. | 0. | 0. | 0 | 63 | 0. | 0. | 67 | 0. | .2 | 67 | 9. | 9. | 4. | 7. | 01 | 9. | .0 | 83 | 0. | 4 |
| Carbon dioxide, CO2 | 11.0 | 10.8 | 10.3 | 10 7 | 10.7 | 10 7 | 9.5 | 10.5 | 8.01 | 11.6 | 2.6 | 12.4 | 12.0 | 11.2 | 11.8 | 15.2 | 13.3 | 3 13.9 | 12.3 | 12 1 12. | 12.2 |
| Nibrogen, N | 51.55 | 54.24 | 53.9 | 52 42 | 53.23 | 53.04 | 52.60 | 53 04 | 52.8 | 65 69 | 53.73 | 55.7 | 53.92 | 69.17 | 68 48 | 63 | 39 54.0 53 | 53.6 | 5 1 3 | 53.7 53 | 3.1 |
| Calorific determinations, (B. T. U. per cubic foot) | | | | | | 137.72 146.89 146.89 137.92 | | | | | | | | | | | | -1 | 136 8 135.65 136.8 136.7 | | |
| Average | | | ********* | | | 145.3 | | | | | | | | 9 601 | | | | | 136 4 | | |

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