

Chart 4: HBr, HCl, HCN, hydrazine analyzers

| INTERFERING GAS | | | | | | | | | | | | | | | | | |
|--|----------------------------------|-----------------|--------|----------------|------------------|-----|-----|-----------|------------------|------------------|------|-----------------|-----------------|-----------------|------------------|------------------|------|
| | C ₂ H ₅ SH | Cl ₂ | CO | H ₂ | H ₂ S | HCl | HCN | hydrazine | N ₂ O | NH ₃ | NO | NO ₂ | SO ₂ | SO ₃ | Saturated HC | Unsat HC | |
| A N A L Y Z E R | HBr | 0.3 | 20 [N] | 1000 | >10 ⁴ | 0.2 | 0.7 | 0.7 | 6 | >10 ⁴ | 25 | 1 | 18 [N] | 0.7 | >10 ⁴ | >10 ⁴ | >500 |
| | HCl | 0.2 | 17 [N] | 1000 | >10 ⁴ | 0.1 | — | 1 | 5 | >10 ⁴ | 21 | 0.6 | 15 [N] | 0.5 | >10 ⁴ | >10 ⁴ | >500 |
| | HCN | 0.2 | 20 [N] | 1000 | >10 ⁴ | 0.1 | 1 | — | 6 | >10 ⁴ | 21 | 1 | 15 [N] | 0.5 | >10 ⁴ | >10 ⁴ | >500 |
| | Hydrazine | 10 | 5 [N] | 1000 | >10 ⁴ | 0.1 | 45 | 8 | — | >10 ⁴ | 1500 | 1300 | 30 [N] | 3.5 | >10 ⁴ | >10 ⁴ | >500 |

[N] = Negative interference