

Chart 1: Br₂, CO, Cl₂, ClO₂, H₂, H₂S, NO, NO₂, O₃, SO₂ analyzers

INTERFERING GAS		Br ₂	C ₂ H ₅ SH	Cl ₂	CO	H ₂	HCl	HCN	hydrazine	H ₂ S	NH ₃	NO	N ₂ O	NO ₂	O ₃	Saturated HC [‡]	SO ₂	Unsat HC [‡]	
A N A L Y Z E R	Br ₂	—	3.5 [N]	1.3	450 [N]	6200 [N]	4.5 [N]	2 [N]	0.7 [N]	1.0 [N]	17 [N]	180	>10 ⁴	1.3	1.3	>10 ⁴	1.3 [N]	>500	
	CO	>10 ³ [N]	>10 ³	>10 ³ [N]	—	8 ^α	>10 ³	>10 ³	>10 ³	>10 ³	>10 ³	>10 ³	>10 ⁴	>10 ³ [N]	>10 ³ [N]	>10 ⁴	>10 ³	17	
	Cl ₂	0.65	3 [N]	—	400 [N]	6000 [N]	4 [N]	1.5 [N]	0.5 [N]	0.3 [N]	14 [N]	150	>10 ⁴	1	1	>10 ⁴	1 [N]	>500	
	ClO ₂	2.1	9 [N]	2.8	1200 [N]	>10 ⁴ [N]	12 ^α [N]	4.5 [N]	1.5 [N]	1.0 [N]	42 [N]	450	>10 ⁴	3	3	>10 ⁴	3 [N]	>1500	
	H ₂	>10 ³ [N]	>10 ³	>10 ³ [N]	0.1	—	>10 ³	>10 ³	>10 ³	>10 ³	>10 ³	>10 ³	>10 ⁴	>10 ⁴	>10 ³ [N]	>10 ³ [N]	>10 ⁴	>10 ³	3
	H ₂ S (1)	9 [N]	3	11 [N]	40	400	11	10 ^α	4	—	220	4	>10 ⁴	>10 ⁴	65 [N]	15 [N]	>10 ⁴	4	15
	H ₂ S (2)	40 [N]	1	50 [N]	8000	7000	15	15	6	—	300	15	>10 ⁴	>10 ⁴	60 [N]	20 [N]	>10 ⁴	6	>500
	NO	>10 ³	>10 ³	>10 ³	>10 ³	>10 ⁴	>10 ³	>10 ³	>10 ³	>10 ³	>10 ³	—	>10 ⁴	>10 ⁴	>10 ³	>10 ³	>10 ⁴	>10 ³	>500
	NO ₂	0.6	3 [N]	0.7	350 [N]	6000 [N]	4 ^α [N]	2 [N]	0.7 [N]	0.2 [N]	15 [N]	150	>10 ⁴	—	1	>10 ⁴	1 [N]	>500	
	O ₃	0.65	3 [N]	1	400 [N]	6000 [N]	4 [N]	2 [N]	0.5 [N]	0.3 [N]	15 [N]	150	>10 ⁴	1	—	>10 ⁴	1 [N]	>500	
	SO ₂	2.5 [N]	1	3 [N]	700	5000	2	2	1	0.3	68	6 ^α	>10 ⁴	>10 ⁴	24 [N]	2 [N]	>10 ⁴	—	>500

- (1) Data shown for H₂S models with ranges higher than 0–1999 ppb
 (2) Data shown for H₂S models with ranges of 0–1999 ppb and lower

[N] = Negative interference

‡ = Hydrocarbons

α = Rejection ratio can be improved electronically