

Tube No. **NX153****1. PERFORMANCE**

- | | |
|-----------------------------|---|
| 1) Measuring range | : 1-50 ppm |
| Number of pump strokes | : 1 (100mL) |
| 2) Sampling time | : 1.5 minutes / 1 pump stroke |
| 3) Detectable limit | : 0.2 ppm |
| 4) Shelf life | : 1 year (Necessary to store in refrigerated conditions ; 0~10°C) |
| 5) Operating temperature | : 0~40°C |
| 6) Temperature compensation | : Necessary (See "TEMPERATURE CORRECTION TABLE") |
| 7) Reading | : Direct reading from the scale calibrated by 1 pump stroke |
| 8) Color change | : White→Yellow |

2. RELATIVE STANDARD DEVIATION

RSD-low: 10% RSD-mid.: 10% RSD-high: 10%

3. CHEMICAL REACTION

By decomposing with an oxidizer, Bromine is produced. Bromine reacts with *o*-Toluidine and Orthoquinone is produced.

**4. CALIBRATION OF THE TUBE**

GAS CHROMATOGRAPHY

5. INTERFERENCE AND CROSS SENSITIVITY

Substance	Interference	ppm	Coexistence
Halogens	Similar stain is produced.	—	Higher readings are given.
Halogenated Hydrocarbons	"	—	"
Hexane FIG.1	The accuracy of readings is not affected.	200	Lower readings are given.

TEMPERATURE CORRECTION TABLE

Tube Readings (ppm)	Corrected Concentration (ppm)					
	10°C (50°F)	15°C (59°F)	20°C (68°F)	25°C (77°F)	30°C (80°F)	35°C (95°F)
50	—	—	82	50	42	39
40	—	80	58	40	35	33
30	98	56	40	30	27	26
20	50	30	24	20	18	18
10	16	14	12	10	10	10
5	7	7	6	5	5	5
1	1	1	1	1	1	1

