RCP: Lower Level of Linearity

Measured Concentration (ppb) vs Blended Concentration (ppb) — C4H6
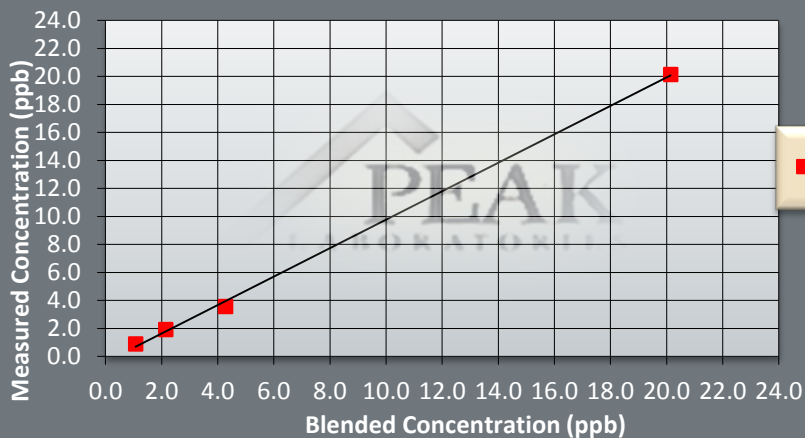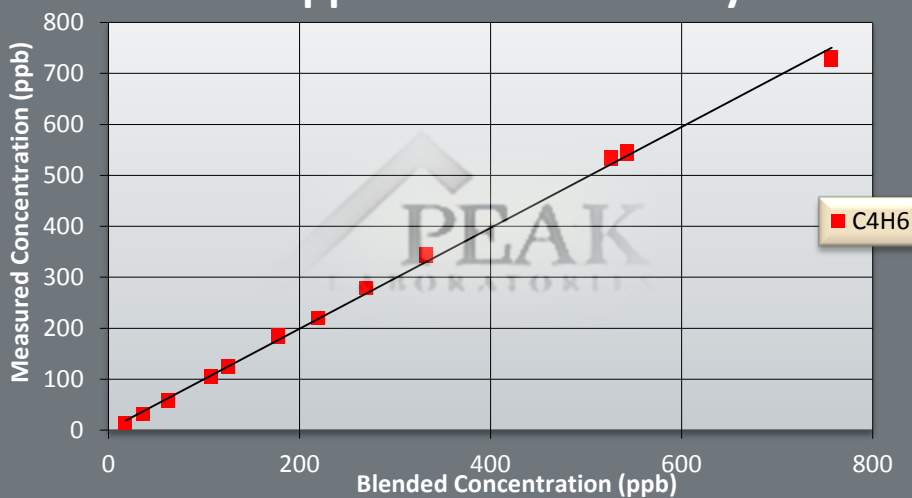
Figures 1 & 2 illustrate the lower detection limits of an RCP analyzer monitoring compounds within Air, Inert or Oxygen gases. Using Peak's pioneered hybrid platform results are delivered accurately while maintaining linearity, down to lower and upper levels.

RCP: Upper Level of Linearity

Measured Concentration (ppb) vs Blended Concentration (ppb) — C4H6

Performance:

Typical lower detection limits (in parts per trillion)

Impurity	Matrix Gas:	N_2, Ar, He	O_2	Air
$C_4 H_6$: 1,3 Butadiene				

All performance specifications are based on fully optimized PP1 with 2 cc sample loop

Peak Labs is your analytical partner, **not just supplier.**

Model # 910-130

Reducing Compound Photometer (RCP)

Matrix Gas: Air /Inert/Oxygen

Peak's pioneered platform design provides customers worldwide with a portable field unit capable of delivering fast analysis at lower detection limits. Our proven technology guarantees simple and accurate measurements down to the part per trillion levels, while still offering a wide linear range. Peak's innovative design is proven to be more cost-effective and user-friendly compared to similar instruments, making Peak your number one GC choice.

Fields of Application:

The RCP **model # 910-130** is the ideal solution for the detection of **1,3 Butadiene** compounds. Listed below are typical field applications for this unit.

- C_4H_6 in UHP Air Matrix gas

- Atmospheric Research

- Continuous Air Monitoring Stations

- Groundwater and Sediment Studies

- Healthcare Research
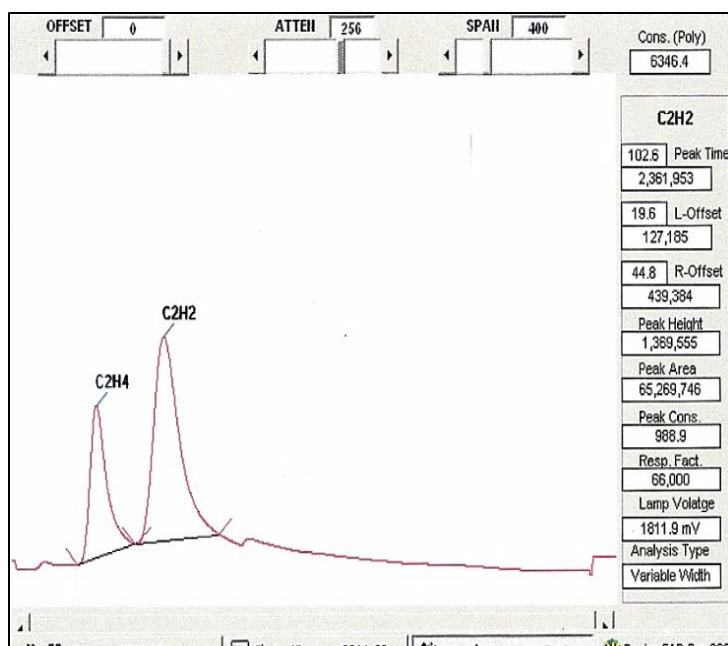
Ethylene & Acetylene based chromatograph within Air, Inert & Oxygen matrix gases.