

Name	$\delta^{15}\text{N}_{\text{AIR}}$	$\delta^{15}\text{N}^{\alpha}_{\text{AIR}}$	$\delta^{15}\text{N}^{\beta}_{\text{AIR}}$	$\delta^{18}\text{O}_{\text{VSMOW-SLAP}}$	S_{P}
USGS51	$+1.32 \pm 0.04 \text{ ‰}$	$+0.48 \pm 0.09 \text{ ‰}$	$+2.15 \pm 0.12 \text{ ‰}$	$+41.23 \pm 0.04 \text{ ‰}$	-1.67 ‰
USGS52	$+0.44 \pm 0.02 \text{ ‰}$	$+13.52 \pm 0.04 \text{ ‰}$	$-12.64 \pm 0.05 \text{ ‰}$	$+40.64 \pm 0.03 \text{ ‰}$	$+26.15 \text{ ‰}$

Figure 1: Certified values from USGS51 and USGS52 as shown on the manufacturer certificate.

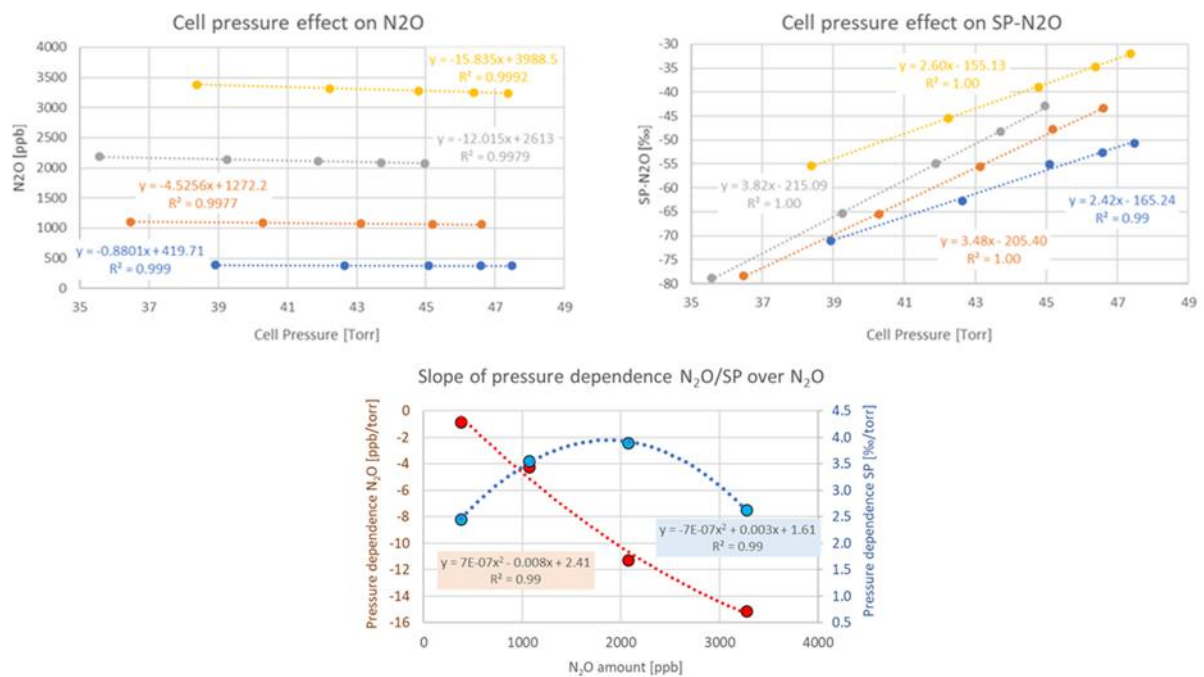


Figure 2: Top – left: Pressure effect on N₂O (ppb). Top – Right: Pressure effect on SP-N₂O. Bottom: Polynomial fits of the pressure dependence on N₂O or SP-N₂O.