

# Stability of FlexFoil Bags with Methane

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### Summary

SKC FlexFoil bags were tested to verify that 50 ppm of methane contained in the bag would not degrade or permeate out of the bag over a 48 hours period. The results showed that methane stored in the bag for 96 hours.

### Method

Two 3 liter FlexFoil bags were filled with 50 ppm of methane calibration standard. A portable LEL gas detector, the Quest MultiLog, was calibrated according to manufacturer's recommendations and then used to test the concentration in the bags. As there is no internal pump on the MultiLog, some slight pressure was applied to the gas sample bag to pass it over the sensor. The test was stopped when a stable reading was achieved. The results are listed below in Table 1.

**Table 1**

### Stability of Methane in FlexFoil Bags

Date	Bag #1	Bag #2
Day 0	50 ppm	50 ppm
Day 1	49 ppm	50 ppm
Day 2	Not tested	50 ppm
Day 3	49 ppm	Not tested
Day 4	50 ppm	Not tested

### Conclusions

The SKC FlexFoil Bags will maintain a concentration of 50 ppm methane for at least 96 hours.