

Table S1. Technical description of the Hermes V2

Climb Rate	2.5 m/s
Decent Rate	2.0 m/s
Horizontal Velocity	0 - 12 m/s
Max Operating Altitude	Line of Sight
Max Takeoff Mass	12.25 kg
Empty Mass	5.45 kg
Ready to Fly Mass	7.25 kg
Dimensions of Airframe	1500 mm (width) 1500 mm (depth) 635 mm (height)
Est Usable Time Aloft (Zero Payload)	23 Minutes (22 vDC RTL)
Est Usable Time Aloft (Max Payload)	8 Minutes (22 vDC RTL)
Max Wind	37 kph

t-Test of peak area values per injection volume obtained by the analysis via thermal desorption or purge and trap autosampling

- 5 **Table S2 Student-t-Test of mean values of injection volume specific peak area values obtained from TD and purge and trap (p&t) measurements for chlorinated ethenes within the liquid calibration standard (SD = standard deviation).**

Compound	Peak Area _{mean}	Peak Area _{sd}	Method	p-value
cDCE	2.53	0.04	p&t	1.0
cDCE	2.97	0.34	TD	
PCE	2.29	0.02	p&t	0.3
PCE	2.25	0.27	TD	
TCE	2.48	0.01	p&t	1.0
TCE	2.77	0.34	TD	
tDCE	2.25	0.07	p&t	1.0
tDCE	2.41	0.23	TD	