

**Table S13.** The results of CO<sub>2</sub> concentration in soil gas based on measurements series from 21.11. to 26.11.2022

<b>21.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	350.0	408.2	443.6	484.3	523.9	548.5	558.1
2217	probe 2	338.2	395.0	436.6	481.3	502.3	520.3	571.6
2219	probe 3	354.4	422.3	482.6	528.9	567.2	604.0	628.5
2226	probe 4	329.9	356.6	382.0	408.2	423.7	439.3	454.9
2229	probe 5	358.5	484.9	605.5	716.3	807.5	896.5	968.8
<b>22.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	311.7	362.3	398.4	445.5	480.0	510.9	546.1
2217	probe 2	323.0	348.1	370.9	398.1	417.9	435.2	452.8
2219	probe 3	306.8	327	349.6	370.9	386.5	401.5	414.1
2226	probe 4	320.4	334.5	348.4	360.4	372.1	380.1	389.9
2229	probe 5	328.2	439.5	537.8	624.0	709.7	788.3	864.8
<b>23.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	345.1	381.7	400.3	420.8	439.2	451.8	466.9
2217	probe 2	317.2	357.6	395.6	418.8	442.5	460.1	479.9
2219	probe 3	326.0	343.1	363.2	377.9	393.9	409.7	419.4
2226	probe 4	297.7	315.4	333.4	345.3	363.7	378.0	390.4
2229	probe 5	385.8	408.0	444.2	478.0	497.0	524.8	541.0
<b>24.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
6	probe 1	345.6	460.1	557.2	626	690.6	739.8	783.1
2208	probe 2	487.5	682.1	844.9	976.9	1126.4	1254.5	1386.6
2219	probe 3	344.6	367.4	389.4	412.4	434.1	452.8	474.8
ST1/P2P	probe 4	323.1	343.1	364.2	365.8	373.4	377.6	385.5
ST2/P4P	probe 5	426.7	428.4	446.5	482.0	491.6	495.4	535.2
<b>25.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	398.0	550.4	842.6	959.8	1149.5	1244.6	1325.8
2217	probe 2	369.1	556.3	739.7	893.8	1027.5	1147.3	1252.6
2219	probe 3	392.4	478.1	558.0	642.0	720.5	790.3	853.8
2226	probe 4	327.8	345.1	361.2	379.0	390.6	404.9	421.2
2229	probe 5	338.1	362.8	401.3	435.1	478.2	515.4	539.8
<b>26.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	point	test/time	point	test/time	point	test/time	point
2202	probe 1	394.1	417.9	449.6	470.8	483.8	492.5	516.8
2217	probe 2	448.9	480.0	505.3	542.6	556.5	559.5	574.4
2219	probe 3	410.9	462.2	510.4	555.4	595.3	630.3	655.9
2226	probe 4	326.0	345.0	354.2	365.8	376.3	383.6	394.9
2229	probe 5	782.7	882.0	1039.7	1219.0	1367.5	1493.6	1602.4

**Table S14.** The results of CO<sub>2</sub> concentration in soil gas based on measurements series from 28.11. to 02.12.2022

<b>28.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	333.5	360.2	381.2	386.5	402.9	413.5	418.9
2217	probe 2	354.2	364.9	384.4	392.8	406.0	408.0	414.2
2219	probe 3	333.5	345.6	360.9	372.6	379.0	384.5	389.0
2226	probe 4	350.4	370.4	386.6	404.3	414.5	423.2	438.9
2229	probe 5	425.7	450.9	488.1	520.7	545.3	563.9	585.7
<b>29.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	328.1	334.7	345.8	353.1	363.6	374.0	384.2
2217	probe 2	310.5	319.2	329.3	341.5	348.2	359.9	374.1
2219	probe 3	329.3	343.1	359.5	380.1	392.5	408.7	425.0
2226	probe 4	318.3	327.2	335.0	341.1	345.9	353.8	361.1
2229	probe 5	497.4	528.1	549.9	572.9	594.5	610.5	638.0
<b>30.11.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	300.8	365.6	427.6	517.5	584.1	650.7	708.2
2217	probe 2	279.5	307.7	359.5	402.4	435.6	470.1	495.0
2219	probe 3	311.0	358.8	420.2	479.7	540.4	597.6	655.3
2226	probe 4	279.7	293.0	306.6	319.2	327.2	336.3	344.7
2229	probe 5	319.7	433.7	559.9	693.1	816.6	928.7	1022.8
<b>01.12.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	316.7	384.5	449.6	498.4	546.7	595.6	650.4
2217	probe 2	284.3	349.5	402.4	451.5	499.8	549.1	587.5
2219	probe 3	270.5	296.4	316.5	345.3	362.1	370.7	382.5
2226	probe 4	297.7	305.6	319.8	324.6	344.2	354.7	367.5
2229	probe 5	310.2	352.8	409.2	460.8	496.2	548.7	607.3
<b>02.12.2022</b>		<b>CO<sub>2</sub> concentration in the accumulation chamber [ppm]</b>						
point	test/time	0 min	1 min	2 min	3 min	4 min	5 min	6 min
2202	probe 1	290.6	397.1	514.2	619.7	730.4	833.6	916.5
2217	probe 2	272.7	297.1	323.2	354.5	375.3	377.2	401.2
2219	probe 3	273.4	296.7	341.2	370.6	392.6	432.2	471.3
2226	probe 4	265.0	277.5	293.1	304.4	315.7	328.7	335.6
2229	probe 5	302.2	320.4	352.0	391.6	431.3	470.2	509.2