

Test ID:	FN5B 19048
Date:	1/8/20

ISS-1											
Test Duration (hh:mm:ss)	T _i	V _m	v _i	T _h	T _e	V _m	v _e	T _i	T _m	PR	
0:00:00			0.9								
0:10:00	10	0.067	1.307752	289.0	326.9556	0.067	1.103876	289.9732	288.9833	134	
0:20:00	20	0.066	1.250532	289.2	337.4	0.133	1.279142	312.1474	289.2611	104	
0:30:00	30	0.065	0.863577	289.4	343.8444	0.199	1.057055	332.3722	289.8167	83	
0:40:00	40	0.065	0.822255	289.8	347.0111	0.264	0.842016	348.7543	290.65	95	
0:50:00	50	0.066	0.782217	290.1	348.8167	0.330	0.802236	358.4078	291.6222	94	
1:00:00	60	0.065	0.757131	290.6	350.4556	0.394	0.769674	367.1291	292.5944	92	
1:10:00	70	0.065	0.738569	291.0	351.5389	0.459	0.74785	372.7373	293.5667	92	
1:20:00	80	0.065	0.748803	291.4	350.8444	0.525	0.743686	378.2131	294.4	92	
1:30:00	90	0.065	0.737557	291.8	351.4556	0.589	0.74318	382.0322	295.0944	89	
1:40:00	100	0.067	0.738127	292.2	351.5944	0.656	0.737842	384.8228	295.65	93	
1:50:00	110	0.067	0.73686	292.5	352.7333	0.723	0.737493	387.691	296.2056	91	
2:00:00	120	0.066	0.731296	292.9	339.8722	0.789	0.734078	389.7625	296.6222	86	
2:10:00	130	0.068	0.763861	293.2	336.8167	0.857	0.747579	391.097	297.0389	89	
2:20:00	140	0.066	0.842409	293.5	336.7333	0.923	0.803135	390.6714	297.4556	89	
2:30:00	150	0.070	0.882869	293.8	337.7889	0.993	0.862639	390.4421	297.7333	92	
2:40:00	160	0.069	0.857708	294.0	338.2611	1.062	0.870288	390.1465	298.0111	88	
2:50:00	170	0.070	0.879154	294.2	337.5389	1.132	0.868431	389.9872	298.15	91	
3:00:00	180	0.071	0.871205	294.4	336.0944	1.203	0.875179	389.7829	297.8722	90	
3:10:00	190	0.069	0.846404	294.6	337.3722	1.273	0.858804	389.4295	297.4556	87	
3:20:00	200	0.071	0.849376	294.7	335.9278	1.343	0.84789	389.2009	297.1778	91	
3:30:00	210	0.070	0.832727	294.8	336.15	1.413	0.841052	389.0003	296.7611	88	
3:40:00	220	0.069	0.849033	294.8	336.1222	1.483	0.84088	388.597	296.4833	89	
3:50:00	230	0.069	0.836784	294.9	336.2056	1.552	0.842909	388.3539	296.2056	88	
4:00:00	240	0.068	0.834149	294.9	330.8167	1.620	0.835467	388.1376	295.65	85	
4:10:00	250	0.070	0.841559	294.9	327.0667	1.689	0.837854	387.8493	295.3722	88	
4:20:00	260	0.069	0.933261	294.9	326.7333	1.758	0.88741	386.9608	295.3722	90	
4:30:00	270	0.073	0.947471	294.9	325.1222	1.831	0.940366	386.0674	295.0944	91	
4:40:00	280	0.070	0.925794	294.9	329.7056	1.901	0.936632	385.3528	294.8167	87	
4:50:00	290	0.071	0.928239	294.9	325.8444	1.972	0.927016	384.5723	294.8167	88	
5:00:00	300	0.069	0.910692	294.9	327.5111	2.041	0.919465	383.9944	294.6778	86	
5:10:00	310	0.070	0.923933	294.9	327.2611	2.111	0.917312	383.3193	294.5389	89	
5:20:00	320	0.072	0.923274	294.9	327.5944	2.183	0.923603	382.821	294.5389	91	
5:30:00	330	0.073	0.925773	294.9	325.7889	2.256	0.924523	382.2034	294.5389	91	
5:40:00	340	0.072	0.899185	294.9	326.4833	2.328	0.912479	381.7467	294.6778	89	
5:50:00	350	0.072	0.916544	294.9	326.8722	2.401	0.907865	381.1832	294.6778	92	
6:00:00	360	0.072	0.913657	294.9	327.2056	2.473	0.915101	380.71	294.4	91	
6:10:00	370	0.072	0.899758	294.8	327.7333	2.546	0.906708	380.3053	294.1222	90	
6:20:00	380	0.072	0.91986	294.8	326.5944	2.618	0.909809	379.8355	294.1222	92	
6:30:00	390	0.072	0.917221	294.8	327.6222	2.690	0.918541	379.4735	294.2611	90	
6:40:00	400	0.076	0.937584	294.8	326.6778	2.766	0.927403	379.0522	294.1222	96	
6:50:00	410	0.068	0.928736	294.8	326.8444	2.833	0.93316	378.7542	293.9833	85	
7:00:00	420	0.072	0.936834	Error	289.2611	2.906	0.932785	378.3374	Error	#VALUE!	

ISS-2											
Test Duration (hh:mm:ss)	T _i	V _m	v _i	T _h	T _e	V _m	v _e	T _i	T _m	PR	
0:00:00											
0:10:00	10	0.06343	1.307752	289.8167	290.3444	0.06343	0.653876	289.9732	289.8167	200	
0:20:00	20	0.06343	1.250532	289.8167	326.9556	0.126859	1.279142	312.1474	289.8167	102	
0:30:00	30	0.06553	0.863577	290.0944	337.4	0.192413	1.057055	332.3722	290.0944	85	
0:40:00	40	0.064987	0.822255	290.65	343.8444	0.2574	0.842916	348.7543	290.65	97	
0:50:00	50	0.060456	0.782217	291.2056	347.0111	0.317857	0.802236	358.4078	291.2056	90	
1:00:00	60	0.061589	0.757131	292.0389	348.8167	0.379446	0.769674	367.1291	292.0389	91	
1:10:00	70	0.061589	0.738569	292.8722	350.4556	0.441035	0.74785	372.7373	292.8722	91	
1:20:00	80	0.063147	0.748803	293.7056	351.5389	0.504181	0.743686	378.2131	293.7056	94	
1:30:00	90	0.063288	0.737557	294.5389	350.8444	0.56747	0.74318	382.0322	294.5389	91	
1:40:00	100	0.065412	0.738127	295.0944	351.4556	0.632882	0.737842	384.8228	295.0944	94	
1:50:00	110	0.064846	0.73686	295.65	351.5944	0.697727	0.737493	387.691	295.65	93	
2:00:00	120	0.06258	0.731296	296.2056	352.7333	0.760307	0.734078	389.7625	296.2056	89	
2:10:00	130	0.066403	0.763861	296.4833	339.8722	0.82671	0.747579	391.097	296.4833	93	
2:20:00	140	0.064279	0.842409	296.7611	336.8167	0.89099	0.803135	390.6714	296.7611	91	
2:30:00	150	0.068385	0.882869	297.3167	336.7333	0.959375	0.862639	390.4421	297.3167	94	
2:40:00	160	0.069093	0.857708	297.5944	337.7889	1.028468	0.870288	390.1465	297.5944	92	
2:50:00	170	0.069376	0.879154	297.3167	338.2611	1.097844	0.868431	389.9872	297.3167	94	
3:00:00	180	0.069093	0.871205	297.3167	337.5389	1.166937	0.875179	389.7829	297.3167	92	
3:10:00	190	0.069376	0.846404	297.3167	336.0944	1.236314	0.858804	389.4295	297.3167	91	
3:20:00	200	0.069376	0.849376	296.7611	337.3722	1.30569	0.84789	389.2009	296.7611	92	
3:30:00	210	0.070934	0.832727	296.4833	335.9278	1.376623	0.841052	389.0003	296.4833	93	
3:40:00	220	0.070367	0.849033	296.2056	336.15	1.446991	0.84088	388.597	296.2056	93	
3:50:00	230	0.069943	0.836784	295.65	336.1222	1.516933	0.842909	388.3539	295.65	91	
4:00:00	240	0.06881	0.834149	295.3722	336.2056	1.585743	0.835467	388.1376	295.3722	90	
4:10:00	250	0.070509	0.841559	295.0944	330.8167	1.656252	0.837854	387.8493	295.0944	91	
4:20:00	260	0.069659	0.933261	294.8167	327.0667	1.725912	0.88741	386.9608	294.8167	93	
4:30:00	270	0.072774	0.947471	294.5389	326.7333	1.798686	0.940366	386.0674	294.5389	93	
4:40:00	280	0.071358	0.925794	294.2611	325.1222	1.870045	0.936632	385.3528	294.2611	89	
4:50:00	290	0.072774	0.928239	294.2611	329.7056	1.942819	0.927016	384.5723	294.2611	93	
5:00:00	300	0.072066	0.910692	294.2611	325.8444	2.014885	0.919465	383.9944	294.2611	90	
5:10:00	310	0.072208	0.923933	294.2611	327.5111	2.087093	0.917312	383.3193	294.2611	92	
5:20:00	320	0.07235	0.923274	293.9833	327.2611	2.159443	0.923603	382.821	293.9833	92	
5:30:00	330	0.071925	0.925773	293.7056	327.5944	2.231368	0.924523	382.2034	293.7056	91	
5:40:00	340	0.072208	0.899185	293.7056	325.7889	2.303575	0.912479	381.7467	293.7056	90	
5:50:00	350	0.072633	0.916544	293.7056	326.4833	2.376208	0.907865	381.1832	293.7056	93	
6:00:00	360	0.073341	0.913657	293.7056	326.8722	2.449549	0.915101	380.71	293.7056	92	
6:10:00	370	0.071783	0.899758	293.7056	327.2056	2.521132	0.906708	380.3053	293.7056	90	
6:20:00	380	0.070792	0.91986	293.7056	327.7333	2.592124	0.909809	379.8355	293.7056	91	
6:30:00	390	0.070509	0.917221	293.4278	326.5944	2.662633	0.918541	379.4735	293.4278	89	
6:40:00	400	0.071358	0.937584	293.15	327.6222	2.733992	0.927403	379.0522	293.15	91	
6:50:00	410	0.071642	0.928736	293.15	326.6778	2.805633	0.93316	378.7542	293.15	90	
7:00:00	420	0.069093	0.936834	Error	326.8444	2.874726	0.932785	378.3374	Error	#VALUE!	

T_i	total sampling time	min
V_m	volume of dry gas sample as measured by dry gas meter during each 10 minute interval, of the test run	dry m ³
v_i	average gas velocity in the dilution tunnel (gas molecular weight may be assumed to be 29g/gmol)	m/s
T_m	absolute average dry gas meter temperature	K
T_e	absolute average gas temperature in the dilution tunnel during each 10 min interval, i , of test run	K
V_m	volume of gas sample as measured by dry gas meter	dry m ³
v_e	average gas velocity in the dilution tunnel during each 10 min interval, i , of the test run	m/s
T_i	absolute average gas temperature in the dilution tunnel	K
T_m	absolute average dry gas meter temperature during each 10 min interval, j , of the test run	K
PR	proportional rate variation for each 10 minute interval	%

7:10:00	430	Error	0.892668	Error	289.2611	Error	0.914751	378.3374	Error	#VALUE!
7:20:00	440	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
7:30:00	450	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
7:40:00	460	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
7:50:00	470	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
8:00:00	480	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
8:10:00	490	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
8:20:00	500	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
8:30:00	510	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
8:40:00	520	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
8:50:00	530	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
9:00:00	540	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
9:10:00	550	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
9:20:00	560	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
9:30:00	570	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
9:40:00	580	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
9:50:00	590	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
10:00:00	600	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
10:10:00	610	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
10:20:00	620	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
10:30:00	630	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
10:40:00	640	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
10:50:00	650	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
11:00:00	660	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
11:10:00	670	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
11:20:00	680	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
11:30:00	690	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
11:40:00	700	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
11:50:00	710	Error	#DIV/0!	Error	289.2611	Error	#DIV/0!	378.3374	Error	#VALUE!
12:00:00	720	Error	#DIV/0!	Error	0	Error	#DIV/0!	378.3374	Error	#VALUE!

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7:10:00	430	Error	0.892668	Error	289.2611	Error	0.914751	378.3374	Error	#VALUE!
7:20:00	440	Error		Error	289.2611	Error	0.446334	378.3374	Error	#VALUE!
7:30:00	450	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
7:40:00	460	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
7:50:00	470	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
8:00:00	480	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
8:10:00	490	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
8:20:00	500	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
8:30:00	510	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
8:40:00	520	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
8:50:00	530	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
9:00:00	540	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
9:10:00	550	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
9:20:00	560	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
9:30:00	570	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
9:40:00	580	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
9:50:00	590	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
10:00:00	600	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
10:10:00	610	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
10:20:00	620	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
10:30:00	630	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
10:40:00	640	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
10:50:00	650	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
11:00:00	660	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
11:10:00	670	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
11:20:00	680	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
11:30:00	690	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
11:40:00	700	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
11:50:00	710	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!
12:00:00	720	Error		Error	289.2611	Error	0	378.3374	Error	#VALUE!