

Test ID:	FN5B 19048
Date:	1/9/20

ISS-1											
Test Duration (hh:mm:ss)	T _i	V _m	v _g	T _g	T _g	V _m	v _g	T _i	T _g	PR	
0:00:00			0.53								
0:10:00	10	0.065	1.31	288.8	318.7611	0.065	0.919929	289.4985	288.8444	157	
0:20:00	20	0.065	1.25	289.2	336.4278	0.130	1.281098	305.2426	289.2611	108	
0:30:00	30	0.064	0.96	289.4	344.4833	0.194	1.105709	325.1074	289.9556	91	
0:40:00	40	0.064	0.83	289.8	345.9833	0.258	0.894426	343.5091	290.65	92	
0:50:00	50	0.064	0.78	290.1	346.4833	0.322	0.806853	354.3167	291.4833	94	
1:00:00	60	0.064	0.75	290.4	347.9556	0.385	0.764589	363.1728	292.0389	92	
1:10:00	70	0.064	0.73	290.7	347.7611	0.450	0.739915	368.6746	292.5944	93	
1:20:00	80	0.065	0.77	291.0	348.5389	0.515	0.751529	373.8722	293.15	96	
1:30:00	90	0.064	0.75	291.3	348.2889	0.579	0.75934	377.4461	293.5667	90	
1:40:00	100	0.064	0.77	291.5	349.4556	0.643	0.760634	380.1189	293.8444	92	
1:50:00	110	0.065	0.75	291.8	348.7056	0.707	0.759032	382.9873	294.1222	89	
2:00:00	120	0.064	0.75	292.0	336.0944	0.771	0.748044	384.9458	294.2611	86	
2:10:00	130	0.066	0.78	292.1	336.0667	0.837	0.762491	386.0771	294.2611	90	
2:20:00	140	0.070	0.86	292.3	334.4278	0.907	0.817074	385.8448	294.2611	98	
2:30:00	150	0.072	0.84	292.4	335.4833	0.979	0.850385	385.441	294.2611	94	
2:40:00	160	0.072	0.85	292.5	333.7056	1.051	0.84721	385.1655	294.4	95	
2:50:00	170	0.069	0.85	292.6	334.8722	1.120	0.851363	384.8586	294.5389	91	
3:00:00	180	0.073	0.85	292.8	335.0389	1.193	0.851303	384.6672	294.8167	95	
3:10:00	190	0.073	0.84	292.9	334.0389	1.266	0.843406	384.4404	295.0944	94	
3:20:00	200	0.071	0.82	293.0	335.0111	1.337	0.826627	384.3581	295.0944	91	
3:30:00	210	0.071	0.83	293.1	333.7056	1.407	0.824396	384.2466	294.9556	92	
3:40:00	220	0.070	0.84	293.1	335.65	1.477	0.835313	383.9853	294.6778	91	
3:50:00	230	0.071	0.83	293.2	334.2333	1.548	0.837459	383.906	294.5389	92	
4:00:00	240	0.073	0.84	293.2	332.65	1.621	0.837127	383.7083	294.5389	94	
4:10:00	250	0.073	0.82	293.3	326.5111	1.694	0.829418	383.5471	294.4	90	
4:20:00	260	0.072	0.89	293.3	326.0944	1.766	0.853686	382.8354	294.4	94	
4:30:00	270	0.073	0.89	293.4	325.4	1.839	0.890063	382.1307	294.5389	91	
4:40:00	280	0.072	0.88	293.4	327.0667	1.912	0.887896	381.5125	294.5389	90	
4:50:00	290	0.072	0.89	293.4	325.2333	1.984	0.886078	380.7819	294.5389	90	
5:00:00	300	0.072	0.86	293.5	326.7333	2.057	0.876558	380.322	294.5389	89	
5:10:00	310	0.072	0.88	293.5	326.4556	2.129	0.872588	379.7148	294.5389	91	
5:20:00	320	0.072	0.89	293.5	326.4556	2.201	0.883296	379.2675	294.5389	90	
5:30:00	330	0.072	0.88	293.6	325.0667	2.273	0.882853	378.7425	294.5389	89	
5:40:00	340	0.072	0.89	293.6	325.9833	2.346	0.885578	378.2928	294.5389	91	
5:50:00	350	0.072	0.88	293.6	325.2333	2.417	0.884416	377.8513	294.4	88	
6:00:00	360	0.074	0.88	293.6	325.8167	2.491	0.880747	377.421	294.2611	92	
6:10:00	370	0.071	0.87	293.7	326.3444	2.562	0.877734	377.1108	294.4	88	
6:20:00	380	0.071	0.90	293.7	324.8167	2.633	0.885362	376.655	294.2611	89	
6:30:00	390	0.072	0.89	293.7	325.65	2.705	0.896547	376.3345	294.1222	90	
6:40:00	400	0.073	0.89	293.7	325.9833	2.777	0.893209	375.9781	294.2611	90	
6:50:00	410	0.071	0.89	293.7	326.4556	2.848	0.892911	375.6828	294.1222	89	
7:00:00	420	0.072	0.90	Error	288.9278	2.920	0.895785	375.3423	Error	#VALUE!	

ISS-2											
Test Duration (hh:mm:ss)	T _i	V _m	v _g	T _g	T _g	V _m	v _g	T _i	T _g	PR	
0:00:00			0.53								
0:10:00	10	0.0617	1.309857	288.9833	289.7611	0.061731	0.919929	289.4985	288.9833	143	
0:20:00	20	0.0629	1.25234	289.2611	318.7611	0.124594	1.281098	305.2426	289.2611	103	
0:30:00	30	0.0633	0.959078	289.5389	336.4278	0.187882	1.105709	325.1074	289.5389	91	
0:40:00	40	0.0617	0.829774	290.0944	344.4833	0.249613	0.894426	343.5091	290.0944	92	
0:50:00	50	0.0631	0.783932	290.65	345.9833	0.31276	0.806853	354.3167	290.65	96	
1:00:00	60	0.0631	0.745246	291.2056	346.4833	0.375906	0.764589	363.1728	291.2056	94	
1:10:00	70	0.0643	0.734583	291.7611	347.9556	0.440185	0.739915	368.6746	291.7611	96	
1:20:00	80	0.0658	0.768476	292.3167	347.7611	0.506022	0.751529	373.8722	292.3167	99	
1:30:00	90	0.0647	0.750204	292.5944	348.5389	0.570726	0.75934	377.4461	292.5944	93	
1:40:00	100	0.0653	0.771044	292.8722	348.2889	0.635996	0.760634	380.1189	292.8722	95	
1:50:00	110	0.0656	0.74702	293.15	349.4556	0.70155	0.759032	382.9873	293.15	92	
2:00:00	120	0.0658	0.749068	293.15	348.7056	0.767387	0.748044	384.9458	293.15	93	
2:10:00	130	0.0656	0.775914	293.4278	336.0944	0.832964	0.762491	386.0771	293.4278	91	
2:20:00	140	0.0685	0.858234	293.7056	336.0667	0.901467	0.817074	385.8448	293.7056	97	
2:30:00	150	0.0697	0.842536	293.7056	334.4278	0.971126	0.850385	385.441	293.7056	92	
2:40:00	160	0.0705	0.851884	293.7056	335.4833	1.041635	0.84721	385.1655	293.7056	95	
2:50:00	170	0.0682	0.850843	293.7056	333.7056	1.109879	0.851363	384.8586	293.7056	91	
3:00:00	180	0.0719	0.851762	293.7056	334.8722	1.181804	0.851303	384.6672	293.7056	95	
3:10:00	190	0.0757	0.83505	293.7056	335.0389	1.257523	0.843406	384.4404	293.7056	99	
3:20:00	200	0.0688	0.818203	293.7056	334.0389	1.326333	0.826627	384.3581	293.7056	89	
3:30:00	210	0.0690	0.83059	293.7056	335.0111	1.395313	0.824396	384.2466	293.7056	91	
3:40:00	220	0.0660	0.840037	293.7056	333.7056	1.461291	0.835313	383.9853	293.7056	87	
3:50:00	230	0.0708	0.834881	293.7056	335.65	1.532083	0.837459	383.906	293.7056	93	
4:00:00	240	0.0722	0.839374	293.7056	334.2333	1.604291	0.837127	383.7083	293.7056	94	
4:10:00	250	0.0714	0.819461	294.2611	332.65	1.675649	0.829418	383.5471	294.2611	91	
4:20:00	260	0.0708	0.867911	294.2611	326.5111	1.746442	0.853686	382.8354	294.2611	93	
4:30:00	270	0.0719	0.892215	293.9833	326.0944	1.818366	0.890063	382.1307	293.9833	91	
4:40:00	280	0.0725	0.883576	294.2611	325.4	1.890857	0.887896	381.5125	294.2611	91	
4:50:00	290	0.0714	0.88858	293.9833	327.0667	1.962216	0.886078	380.7819	293.9833	91	
5:00:00	300	0.0725	0.864537	293.7056	325.2333	2.034707	0.876558	380.322	293.7056	90	
5:10:00	310	0.0721	0.880639	293.7056	326.7333	2.106773	0.872588	379.7148	293.7056	92	
5:20:00	320	0.0723	0.885954	293.7056	326.4556	2.179123	0.883296	379.2675	293.7056	92	
5:30:00	330	0.0723	0.879752	293.7056	326.4556	2.251472	0.882853	378.7425	293.7056	91	
5:40:00	340	0.0722	0.891404	293.7056	325.0667	2.32368	0.885578	378.2928	293.7056	91	
5:50:00	350	0.0723	0.877428	293.7056	325.9833	2.39603	0.884416	377.8513	293.7056	90	
6:00:00	360	0.0765	0.884065	293.7056	325.2333	2.472485	0.880747	377.421	293.7056	96	
6:10:00	370	0.0714	0.871402	293.7056	325.8167	2.543844	0.877734	377.1108	293.7056	89	
6:20:00	380	0.0665	0.899322	293.7056	326.3444	2.610389	0.885362	376.655	293.7056	85	
6:30:00	390	0.0715	0.893773	293.7056	324.8167	2.683889	0.896547	376.3345	293.7056	89	
6:40:00	400	0.0712	0.892645	293.7056	325.65	2.753105	0.893209	375.9781	293.7056	90	
6:50:00	410	0.0704	0.893177	293.7056	325.9833	2.823473	0.892911	375.6828	293.7056	89	
7:00:00	420	0.0709	0.898393	Error	326.4556	2.894406	0.895785	375.3423	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, <i>i</i> , of the test run	dry m ³
v _g	average gas velocity in the dilution tunnel (gas molecular weight may be assumed to be 29g/gmol)	m/s
T _g	absolute average dry gas meter temperature	K
T _i	absolute average gas temperature in the dilution tunnel during each 10 min interval, <i>i</i> , of test run	K
V _m	volume of gas sample as measured by dry gas meter	dry m ³
v _g	average gas velocity in the dilution tunnel during each 10 min interval, <i>i</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, <i>i</i> , of the test run	K
PR	proportional rate variation for each 10 minute interval	%

7:10:00	430	Error	0.861913	Error	288.9278	Error	0.880153	375.3423	Error	#VALUE!
7:20:00	440	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
7:30:00	450	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
7:40:00	460	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
7:50:00	470	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:00:00	480	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:10:00	490	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:20:00	500	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:30:00	510	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:40:00	520	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:50:00	530	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:00:00	540	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:10:00	550	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:20:00	560	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:30:00	570	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:40:00	580	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:50:00	590	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:00:00	600	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:10:00	610	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:20:00	620	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:30:00	630	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:40:00	640	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:50:00	650	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:00:00	660	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:10:00	670	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:20:00	680	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:30:00	690	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:40:00	700	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:50:00	710	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
12:00:00	720	Error	#DIV/0!	Error	0	Error	#DIV/0!	375.3423	Error	#VALUE!

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7:10:00	430	Error	0.861913	Error	288.9278	Error	0.880153	375.3423	Error	#VALUE!
7:20:00	440	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
7:30:00	450	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
7:40:00	460	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
7:50:00	470	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:00:00	480	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:10:00	490	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:20:00	500	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:30:00	510	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:40:00	520	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
8:50:00	530	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:00:00	540	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:10:00	550	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:20:00	560	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:30:00	570	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:40:00	580	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
9:50:00	590	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:00:00	600	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:10:00	610	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:20:00	620	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:30:00	630	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:40:00	640	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
10:50:00	650	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:00:00	660	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:10:00	670	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:20:00	680	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:30:00	690	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:40:00	700	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
11:50:00	710	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!
12:00:00	720	Error	#DIV/0!	Error	288.9278	Error	#DIV/0!	375.3423	Error	#VALUE!

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