2015 Audi/VW 3.0L Gen2.1 Test summary
Vehicle **Ex. 6 PP / Ex. 7(C)**
2015 Audi Gen2.1 3.0L Q7
Consent Decree Emissions
12336 miles to start

Exhaust Emission standard =	**g/mi**
Test Group SFTP FEL =	**g/mi**

Cold Start Bag 1 =
Cold Start Bag 2 =
Cold Start Bag 3 =

Suspect data =
Regen =

Original TG FVGAT03.0NU3

Test Route	Date	Start	Stop	Miles	Avg. Amb Temp (C)	Avg. Amb Temp (F)	ECT @ Start (F)	NOX g/mi	HC g/mi	Sum g/mi	Calc NMHC	Calc Sum	FE	Avg Speed	Regen?	Avg. SCR Temp (C)	Notes
	5/18/2017	8:54 AM	9:14 AM	7.74	25.5	77.8	n/a	**0.061**	**0.317**	**0.378**	**#DIV/0!**	**#DIV/0!**	23.1	23.8	Yes	310.1	Started indoors with idle of unkn. Time
	5/22/2017	8:40 AM	9:01 AM	7.86	13.0	55.4	n/a	**0.063**	**0.070**	**0.133**	**#DIV/0!**	**#DIV/0!**	22.9	22.1	Yes	261.9	Regen flag flickered at end
	5/24/2017	7:51 AM	8:14 AM	7.86	17.1	62.8	n/a	**0.042**	**0.054**	**0.096**	**#DIV/0!**	**#DIV/0!**	23.8	21.0	Yes	262.7	Outdoor C.S. Regen flag flickered at end
	5/25/2017	8:52 AM	9:14 AM	7.86	15.4	59.6	n/a	**0.058**	**0.052**	**0.110**	**#DIV/0!**	**#DIV/0!**	21.0	21.9	Yes	277.5	Outdoor C.S. Regen flag flickered
	5/18/2017	9:14 AM	9:45 AM	11.21	26.3	79.4	n/a	**0.007**	**0.004**	**0.011**	**#DIV/0!**	**#DIV/0!**	22.6	21.5	Yes	302.1	Regen flag flickered at end
	5/22/2017	9:10 AM	9:41 AM	11.65	12.8	55.0	n/a	**0.009**	**0.016**	**0.024**	**#DIV/0!**	**#DIV/0!**	26.0	22.3	Yes	278.7	Regen flag flickered at end
	5/23/2017	7:51 AM	8:25 AM	11.24	15.0	59.0	n/a	**0.040**	**0.042**	**0.082**	**#DIV/0!**	**#DIV/0!**	23.0	19.4	Yes	261.2	Outdoor C.S. Regen flag flickered at end
	5/24/2017	8:21 AM	8:51 AM	11.38	16.3	61.4	n/a	**0.008**	**0.003**	**0.011**	**#DIV/0!**	**#DIV/0!**	26.5	22.8	Yes	282.1	Regen flag on an off thrice
	5/22/2017	9:49 AM	10:32 AM	30.88	14.4	57.9	188.6	**0.020**	**0.001**	**0.020**	**#DIV/0!**	**#DIV/0!**	27.7	42.6	Yes	337.9	Regen flag on for much of drive
	5/24/2017	8:57 AM	9:42 AM	30.85	17.6	63.7	n/a	**0.023**	**0.004**	**0.026**	**#DIV/0!**	**#DIV/0!**	28.6	41.8	Yes	336.5	Regen flag on for much of drive
	5/18/2017	12:00 PM	1:16 PM	38.77	29.9	85.9	n/a	**0.058**	**0.005**	**0.063**	**#DIV/0!**	**#DIV/0!**	23.8	30.7	Yes	319.0	Regen flag flickers during hwy portion
	5/25/2017	9:20 AM	10:41 AM	82.61	16.1	61.1	n/a	**0.005**	**0.000**	**0.005**	**#DIV/0!**	**#DIV/0!**	30.0	61.1	Yes	371.6	Regen flag on for much of drive
	5/25/2017	10:47 AM	11:46 AM	29.92	16.0	60.8	n/a	**0.008**	**0.000**	**0.008**	**#DIV/0!**	**#DIV/0!**	29.6	30.3	Yes	302.0	Regen flag on for much of drive

1171	1171	25.428	25.47151411	7.743	7.743361111	0.335	0.335249	23.098	23.0973429	0.474	0.47442	0.061	0.061267968	2.455	2.45498	0.317	0.317043202	n/a	08:54:32.403	09:14:02.403	23.80538002	Yes	310.0705895
1282	1282	12.978	12.9975	7.863	7.862888889	0.344	0.344091	22.852	22.85119021	0.492	0.49234	0.063	0.062615663	0.55	0.5498	0.07	0.06992341	n/a	08:40:26.008	09:01:47.008	22.0798752	Yes	261.943822
1349	1349	17.063	17.0887899	7.865	7.864361111	0.331	0.33104	23.757	23.75652825	0.327	0.32703	0.042	0.041583798	0.428	0.42808	0.054	0.054432902	n/a	07:51:55.472	08:14:23.472	20.98717569	Yes	262.6931432
1290	1290	15.334	15.35846273	7.859	7.859361111	0.374	0.37358	21.038	21.03796004	0.458	0.45791	0.058	0.058263006	0.406	0.40625	0.052	0.051689952	n/a	08:52:44.117	09:14:13.118	21.93310078	Yes	277.503332
1880	1880	26.28	26.30793397	11.211	11.21183333	0.495	0.495472	22.628	22.62859119	0.08	0.07958	0.007	0.007097858	0.04	0.03983	0.004	0.003552497	n/a	09:14:27.403	09:45:46.403	21.46946809	Yes	302.1187193
1884	1884	12.748	12.76142402	11.646	11.64625	0.447	0.447165	26.045	26.04463677	0.1	0.09997	0.009	0.008583879	0.183	0.18328	0.016	0.015737254	n/a	09:10:30.347	09:41:53.347	22.25398089	Yes	278.6683734
2087	2087	14.983	14.9971223	11.242	11.24216667	0.489	0.488804	22.999	22.99933443	0.451	0.45039	0.04	0.040062562	0.475	0.47516	0.042	0.042265874	n/a	07:51:04.820	08:25:50.820	19.39233349	Yes	261.2394856
1800	1800	16.298	16.31612903	11.38	11.37977778	0.43	0.429774	26.478	26.4785161	0.096	0.09599	0.008	0.008435138	0.033	0.03321	0.003	0.002918335	n/a	08:21:24.854	08:51:23.854	22.75955556	Yes	282.1448741
2611	2611	14.367	14.37753929	30.877	30.87822222	1.116	1.116353	27.659	27.65990885	0.603	0.60245	0.02	0.019510514	0.03	0.03054	0.001	0.000989047	188.6	09:49:01.497	10:32:31.497	42.57433933	Yes	337.9225483
2657	2657	17.574	17.58760829	30.847	30.84675	1.078	1.077658	28.624	28.62387696	0.698	0.69793	0.023	0.022625722	0.111	0.11107	0.004	0.003600703	n/a	08:57:46.355	09:42:02.355	41.79461799	Yes	336.4822235
4550	4550	29.923	29.93645558	38.77	38.76913889	1.628	1.628164	23.812	23.81156867	2.26	2.25985	0.058	0.05828992	0.196	0.19567	0.005	0.005047056	n/a	12:00:56.256	13:16:45.256	30.67448352	Yes	318.9558414
4864	4864	16.137	16.14356232	82.606	82.60619444	2.751	2.751386	30.023	30.02348433	0.371	0.37236	0.004	0.004507652	0.038	0.03749	0	0.00045384	n/a	09:20:04.302	10:41:07.302	61.13945313	Yes	371.5830027
3551	3551	15.991	16.00002818	29.922	29.92219444	1.012	1.011684	29.576	29.5766212	0.243	0.24216	0.008	0.008092989	0.009	0.00924	0	0.000308801	n/a	10:47:10.862	11:46:20.862	30.33508871	Yes	302.0040763

Cell: M6

Comment: Cullen, Daniel:

If starting ECT < 80 F, used Bag 1 NMHC %,
if starting ECT >80 and <170 used Bag 3 NMHC %, if starting ECT > 170 used fully warmed up NMHC%
otherwise used weighted NMHC %

2015 Audi/VW 3.0L Gen2.1 Test summary
Vehicle Ex. 6 Personal Privacy (PP)
2015 Audi Gen2.1 3.0L Q7
Consent Decree Emissions

Exhaust Emission standard =	**0**	**g/mi**
Test Group SFTP FEL =	**0.000**	**g/mi**
Cold Start Bag 1 =	0.000	
Cold Start Bag 2 =	0.000	
Cold Start Bag 3 =	0.000	

Suspect data =

Off Time sec.	Off Time min.	Date	Start	Stop	Miles	Start. Amb Temp (C)	Start Amb Temp (F)	ECT @ Start (F)	DPF Temp @ Start (C)	NOX g/mi	HC g/mi	FE mpg	Avg Speed mph	Notes
600	10	5/23/2017	8:36 AM	8:45 AM	2.63	16.0	60.8	n/a	176.3	**0.043**	**0.003**	18.9	16.2	Soak Time est
3600	60	5/23/2017	9:46 AM	9:57 AM	2.77	17.0	62.6	n/a	99.5	**0.170**	**0.025**	19.1	15.2	Soak Time est
7200	120	5/23/2017	11:56 AM	12:07 PM	2.77	22.0	71.6	n/a	61.3	**0.154**	**0.050**	18.7	15.2	Soak Time est

Transpose Paste Column

Start Time	Stop Time	Test Distance (Miles)	Start Ambient (deg C)	Start ECT (deg F)	Start DPF Temp (deg C)	NOx g total	NOx g/mile	HC g total	HC g/mile	Test fuel economy (MPG)	Run average speed (MPH)	Off time before run(sec)	Start Row
08:36:03.820	08:45:46.820	2.63	16.00	n/a	176.33	0.114	0.043	0.007	0.003	18.85	16.24	600	564
09:46:11.820	09:57:06.820	2.77075	17	n/a	99.471901	0.4716	0.170206623	0.06965	0.025137598	19.11943306	15.22854962	3600	1153
11:56:16.820	12:07:14.820	2.77	22.00	n/a	61.30	0.428	0.154	0.140	0.050	18.70	15.18	7200	1689

2015 Audi/VW 3.0L Gen2.1 Test summary
Vehicle Ex. 6 Personal Privacy (PP)
2015 Audi Gen2.1 3.0L Q7
Consent Decree Emissions

Test Cycle	Date	NOX g/mi
	SFTP calculated from EPA Testing =	0.000

Reference GM Lab test Summary
Vehicle

LDV

SFTP Calculated from EPA FTP average **#DIV/0!**

Test Cycle	Date	NOX g/mi

SFTP Calculated from GM data **0.000**

Exhaust Emission standard =	
Test Group SFTP FEL =	

Inertia =

NMHC g/mi	CO g/mi	CO2 g/mi	FE	Bag 1 Nox g/mi

g/mi

g/mi

NMHC g/mi	CO g/mi	CO2 g/mi	FE	Bag 1 Nox g/mi

0.000	**g/mi**
0.000	**g/mi**

4250 #

Bag 2 NOx g/mi	Bag 3 NOx g/mi	Bag 4 NOx g/mi	Notes

THC

Max US06 Allowed assuming valid SC03 & FTP = **0.000** g/mi

Bag 2 NOx g/mi	Bag 3 NOx g/mi	Bag 4 NOx g/mi	Notes

Suspect data =

NMHC
%

HC to NMHC %

		HC					NMHC				
	Test Date	Test	Bag 1	Bag 2	Bag 3	Bag 4	Weighted	Bag 1	Bag 2	Bag 3	Bag 4	Weighted

	THC	NMHC	%
Weighted Average	#DIV/0!	#DIV/0!	#DIV/0!
Warm Average	#DIV/0!	#DIV/0!	#DIV/0!
Cold Start Avergage	0.000	#DIV/0!	#DIV/0!
Hot Start Average	#DIV/0!	#DIV/0!	#DIV/0!