

**Impact of Biodiesel Blends on a Transport Refrigeration Unit Engine (B50 & B100)**  
**(Testing Conducted at ARB's El Monte Facility)**  
**Preliminary Results**

<b>Weighted Specific Emissions in g/kwh (n = 8)</b>								
		THC	CH <sub>4</sub>	CO	NO <sub>x</sub>	N <sub>2</sub> O	PM	CO <sub>2</sub>
CA ULSD	Avg.	1.831	0.083	7.574	12.20	0.015	1.942	821.7
	B50	1.477	0.052	5.793	13.44	0.014	1.617	832.5
	B100	0.801	0.026	3.819	14.77	0.013	1.219	845.0
CA ULSD	Std.	0.138	0.010	0.491	0.366	0.001	0.078	3.263
	Dev.	0.089	0.008	0.332	0.518	0.001	0.115	3.038
	B100	0.178	0.004	0.264	0.609	0.001	0.157	3.538
CA ULSD	COV	0.075	0.123	0.065	0.030	0.049	0.040	0.004
	B50	0.061	0.151	0.057	0.039	0.035	0.071	0.004
	B100	0.222	0.156	0.069	0.041	0.039	0.129	0.004
% Diff	B50 – CA ULSD*	-19.4%	-37.5%	-23.5%	10.1%	-6.23%	-16.8%	1.31%
	B100 – CA ULSD*	-56.2%	-68.9%	-49.6%	21.1%	-12.5%	-37.2%	2.84%
*Statistic P-value < 0.05								