Mode $05 and $06 data definitions for these GM vehicles: Aveo, Wave, Optra

Mode $05 - Oxygen Sensor Monitors and Constants

	Bank 1 Sensor 1			
	Test #	Test Description	Decimal Range	Hex Range
	03	Low Volt CAL 4 Switch Time Calc.	0 - 1.275 volts	00 - FF
	04	Hi Volt CAL 4 Switch Time Calc.	0 - 1.275 volts	00 - FF
	05	Rich to Lean Sensor Switch Time	0 - 1.02 seconds	00 - FF
	06	Lean to Rich Sensor Switch Time	0 - 1.02 seconds	00 - FF
	70	Rich to Lean Switches	0 - 255 switches	00 - FF
	71	Lean to Rich Switches	0 - 255 switches	00 - FF
	81	R/L Response to L/R Response Ratio	0 - 128 ratio	00 - FF

Mode $06

Test ID (hex)	Type of Test Limit (see footnote on last page) and Comp ID (hex)	Description	Decimal Range	Hex Range
Catalyst Efficiency Steady State Monitor				
Test ID	Comp ID			
04	E0	Catalyst efficiency test	0 - 1024 mV	0000 - FFFF
Exhaust Gas Recirculation System Monitor				
Test ID	Comp ID			
07	4D	EGR flow decel test	0 - 255.996 kPa	0000 - FFFF
Enhanced Evaporative System Monitor #2 (.020" Leak)				
Test ID	Comp ID			
0A	03	EVPD weak vacuum test	0 - 63.999 in H2O	0000 - FFFF
0A	05	EVPD .040" leak test	0 - 63.999 in H2O	0000 - FFFF
0A	06	EVPD .020" leak test	0 - 63.999 in H2O	0000 - FFFF
0A	42	EVAP Excess Vacuum Test	0 - 31.999 in H2O	0000 - FFFF
0A	48	EVPD purge vacuum fail test	0 - 31.999 in H2O	0000 - FFFF

footnote:

bit 7:

Most significant bit indicates type of test limit, where:

0 - test limit is maximum value - test fails if test value is greater than this value

1 - test limit is minimum value - test fails if test value is less than this value

If the test result should be within a range of values, two messages will be returned,
one with the maximum value and one with the minimum value.

bit 6 - bit 0
Component ID - manufacturer defined - necessary when multiple components or
systems are present on the vehicle and have the same definition of test ID.