



**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**  
**COMPLIANCE DIVISION**  
**10124 OLD GROVE ROAD**  
**SAN DIEGO CA 92131**  
 PHONE (858) 586-2650      FAX (858) 586-2651

APCD USE ONLY	
SECTOR	
ID#	
NOV#	

## VST ECS HYDROCARBON SENSOR VERIFICATION TEST PROCEDURE

Exhibit 8 of ARB E.O. VR 203-X and VR-204-X

- Renewal Testing** (Contractor only)     
  **Compliance Witness** (District only)     
  **Compliance Testing** (District only)     
  **Engineering Evaluation**

**Facility Name:** \_\_\_\_\_ **A/C or PO Number:** \_\_\_\_\_ **Time of Test:** \_\_\_\_\_  
*(Record exact time of test in order to demonstrate proper test sequencing as required in Attachment L)<sup>1</sup>*

CALIBRATION GAS INFORMATION <sup>2</sup>			
Calibration Gas	Zero Gas	Mid Range Gas	High Range Gas
Gas Concentration (% Propane)			
Serial Number			
Date of Last Certification			

- Processor in manual and off mode on the TLS Console**       YES       NO  
**In-line ball valve upstream of the HC Sensor closed**       YES       NO

TEST RESULTS					
Start Time <sup>3</sup>	Stop Time <sup>4</sup>	Calibration Gas Percent Concentration (% Propane) <sup>5</sup>	Average Percent Concentration from PMC (% Propane) <sup>6</sup>	HC Percent Concentration Difference (% Propane) <sup>7</sup>	Pass or Fail

- Processor returned back to automatic run mode on the TLS Console**       YES       NO  
**In-line ball valve upstream of the HC Sensor returned to open position**       YES       NO

<sup>1</sup> Start Time from TLS Console (The tester shall synchronize his/her watch with the clock on the TLS Console)  
<sup>2</sup> Calibration gas information listed in Section 4 of Exhibit 8 shall be attached to this form.  
<sup>3</sup> Record the start time (e.g. 09:45:00).  
<sup>4</sup> Record the stop time (e.g. 09:50:00).  
<sup>5</sup> Record the HC percent concentration of the calibration gas that was introduced into the HC sensor sample line during testing period, to the nearest hundredth (i.e. 0.01).  
<sup>6</sup> Record the average HC percent concentration from the TLS Console for the last three (3) minutes of the testing period, to the nearest hundredth (i.e. 0.01). Refer to Section 16 of the IOM for VR-203-X or Section 19 of the IOM for VR-204-X for directions on how to download the "Percent Hydrocarbon Diagnostic Report". Attach this report to this form.  
<sup>7</sup> HC Percent Concentration Difference = Calibration Gas % Concentration – PMC % Concentration, to the nearest hundredth.