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|  | SAN DIEGO AIR POLLUTION CONTROL DISTRICT **COMPLIANCE DIVISION** 10124 Old Grove RoadSAN DIEGO CA 92131PHONE (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  Compliance Witness  Compliance Testing  Engineering Evaluation**

(Contractor only) (District only) (District only)

**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)[[1]](#endnote-1)*

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| --- | --- | --- | --- |
| **CALIBRATION GAS INFORMATION[[2]](#endnote-2)** | | | |
| **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**

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| --- | --- | --- | --- | --- | --- |
| **TEST RESULTS** | | | | | |
| **Start Time[[3]](#endnote-3)** | **Stop Time[[4]](#endnote-4)** | **Calibration Gas Percent Concentration**  **(% Propane)[[5]](#endnote-5)** | **Average Percent Concentration from PMC**  **(% Propane)[[6]](#endnote-6)** | **HC Percent Concentration Difference**  **(% Propane)[[7]](#endnote-7)** | **Pass (P) or Fail (F)** |
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**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**

1. *Start Time from TLS Console (The tester shall synchronize his/her watch with the clock on the TLS Console)* [↑](#endnote-ref-1)
2. *Calibration gas information listed in Section 4 of Exhibit 8 shall be attached to this form.* [↑](#endnote-ref-2)
3. *Record the start time (e.g. 09:45:00).*  [↑](#endnote-ref-3)
4. *Record the stop time (e.g. 09:50:00).* [↑](#endnote-ref-4)
5. *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).* [↑](#endnote-ref-5)
6. *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.* [↑](#endnote-ref-6)
7. *HC Percent Concentration Difference = Calibration Gas % Concentration – PMC % Concentration, to the nearest hundredth.* [↑](#endnote-ref-7)