

Canisters Sampling in Bangkok, Thailand ASIA-AQ Project

**Reported by Automotive Emission Laboratory (AEL)
Air Quality and Noise Management Division
Pollution Control Department (PCD) ,Thailand**



**25 March 2024
Pollution Control Department
Bangkok, Thailand**

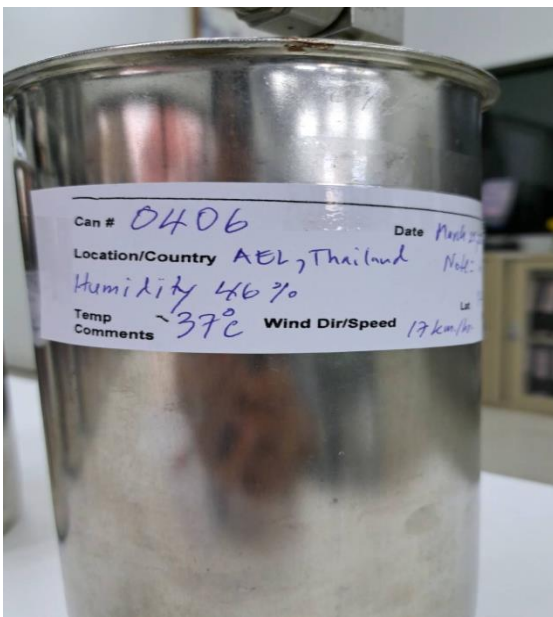
This report has been prepared by an Automotive Emission Laboratory (AEL, Thailand), Air Quality and Noise Management Division, Pollution Control Department (PCD) , Thailand. The canister sampling is one work plan under the ASIA-AQ Project for further source apportionment study in Thailand. The AEL,Thailand had sampled exhaust emissions from various sampled vehicles using the canisters sample technique at the laboratory. There are 2 more sources of canister sampling which are a gas station for evaporative sampling and a shrine for burning incense sticks. The canisters have been transported to the USA for further analysis and identify potential sources in Bangkok,Thailand.

Automotive Emission Laboratory
25 March 2024

Canisters Sampling in Thailand
ASIA-AQ Project
March 25,2024 By AEL,PCD, Thailand

1.Sample 1 : Light duty diesel vehicle (Light duty diesel Toyota Hilux 2500 cc. (EURO-3) Vehicle ID 7506)

- 1.1 Can # 0406
- 1.2 Date March 25,2024 Time 10.15 am. (Thailand)
- 1.3 Location/Country AEL, Thailand
- 1.4 Lat 14.02 Long 100.72
- 1.5 Humidity 46% Temp 37 celsius
- 1.6 Wind Dir/ Speed 17 km/hr. Weather : Clear
- 1.7 Elev 30 cm. (Level of exhaust pipe)



2.Sample 2 : Light duty diesel vehicle (Light duty diesel Isuzu D-max 3000 cc. (EURO-2) Vehicle ID 2829)

2.1 Can #1130

2.2 Date March 25,2024 Time 10.20 am. (Thailand)

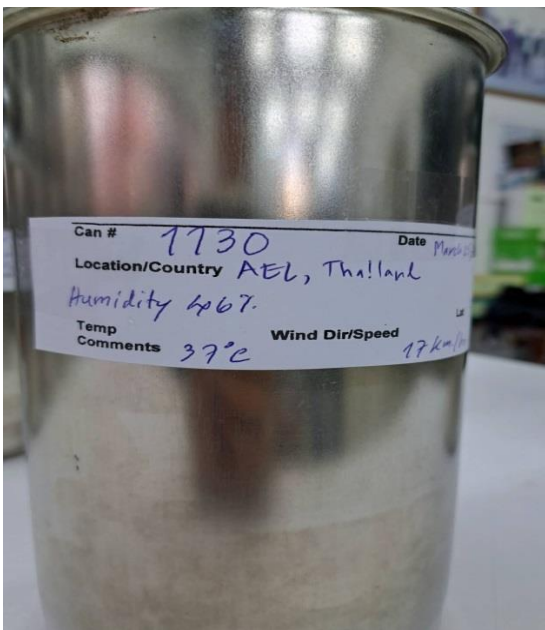
2.3 Location/Country AEL, Thailand

2.4 Lat 14.02 Long 100.72 .

2.5 Humidity 46% Temp 37 celsius

2.6 Wind Dir/ Speed 17 km/hr. Weather : Clear

2.7 Elev 30 cm (Level of exhaust pipe)



3. Sample 3 : Light duty gasoline vehicle (Light duty gasoline Nissan Cefiro 2000 cc. (EURO-2) Vehicle ID 5752)

3.1 Can # 1006

3.2 Date March 25, 2024 Time 10.25 am. (Thailand)

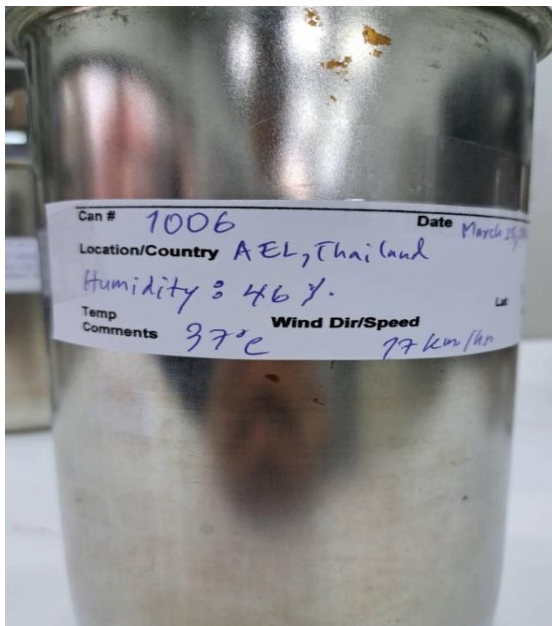
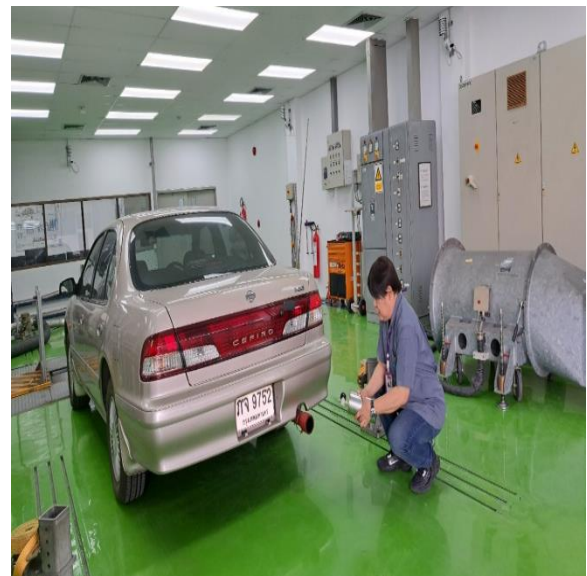
3.3 Location/Country AEL, Thailand

3.4 Lat 14.02 Long 100.72

3.5 Humidity 46% Temp 37 celsius

3.6 Wind Dir/her 17 km/hr. Weather : Clear

3.7 Elev 30 cm. (Level of exhaust pipe)



4. Sample 4 : Light duty gasoline vehicle (Light duty gasoline Honda HRV 1800 cc. (EURO-4) Vehicle ID 6266)

4.1 Can #0605

4.2 Date March 25, 2024 Time 10.30 am. (Thailand)

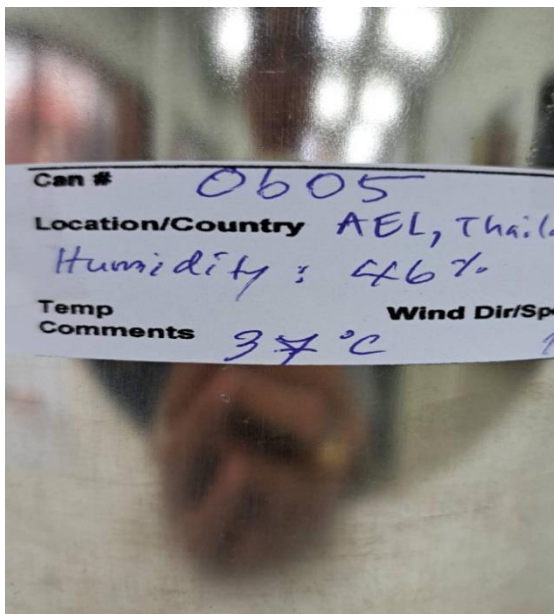
4.3 Location/Country AEL, Thailand

4.4 Lat 14.02 Long 100.72

4.5 Humidity 46% Temp 37 celsius

4.6 Wind Dir/ Speed 17 km/hr. Weather : Clear

4.7 Elev 30 cm. (Level of exhaust pipe)



5. Sample 5 : Light duty gasoline vehicle (Light duty gasoline Nissan Pulsar 1800 cc. (EURO-3) Vehicle ID 3898)

5.1 Can #1326

5.2 Date March 25, 2024 Time 10.35 am. (Thailand)

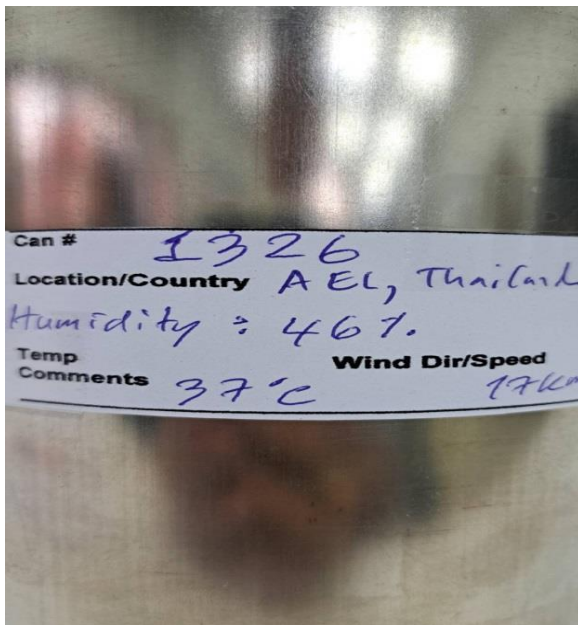
5.3 Location/Country AEL, Thailand

5.4 Lat 14.02 Long 100.72

5.5 Humidity 46% Temp 37 celsius

5.6 Wind Dir/ Speed 17 km/hr. Weather : Clear

5.7 Elev 30 cm. (Level of exhaust pipe)



6. Sample 6 : Motorcycle (MC Honda ZX 50 cc. (2 stroke engine))

6.1 Can # 1627

6.2 Date March 25, 2024 Time 10.40 am. (Thailand)

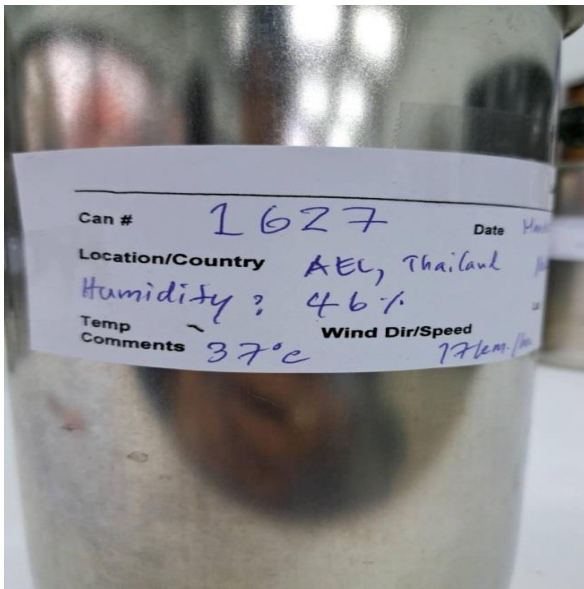
6.3 Location/Country AEL, Thailand

6.4 Lat 14.02 Long 100.72

6.5 Humidity 46% Temp 37 celsius

6.6 Wind Dir/ Speed 17 km/hr. Weather : Clear

6.7 Elev 30 cm. (Level of exhaust pipe)



7.Sample 7 : Motorcycle (MC GPX Done 150 cc. (EURO-3) (4 stroke engine) Vehicle ID 8689)

7.1 Can # 1701

7.2 Date March 25,2024 Time 10.45 am. (Thailand)

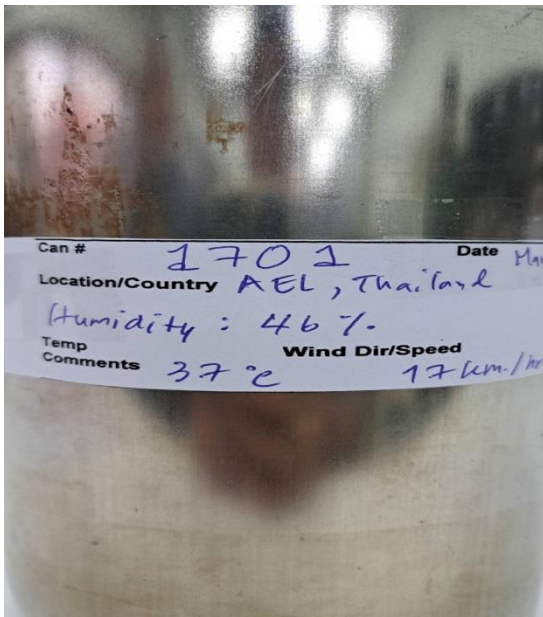
7.3 Location/Country AEL, Thailand

7.4 Lat 14.02 Long 100.72

7.5 Humidity 46% Temp 37 celsius

7.6 Wind Dir/ Speed 17 km/hr. Weather : Clear

7.7 Elev 30 cm. (Level of exhaust pipe)



8. Sample 8 : Motorcycle (MC Honda Wave 125 cc (EURO-3) (4 stroke engine) Vehicle ID 7394)

8.1 Can # 1827

8.2 Date March 25, 2024 **Time** 10.45 am. (Thailand)

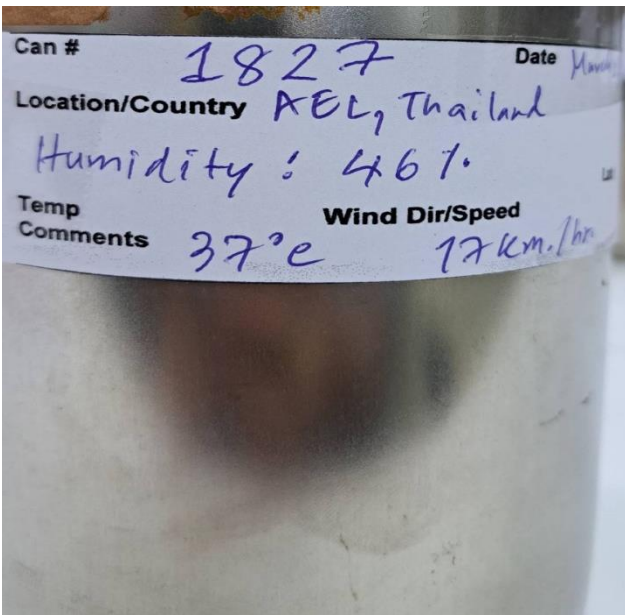
8.3 Location/Country AEL, Thailand

8.4 Lat 14.02 **Long** 100.72

8.5 Humidity 46% **Temp** 37 celsius

8.6 Wind Dir/ Speed 17 km/hr. **Weather** : Clear

8.7 Elev 30 cm. (Level of exhaust pipe)



9. Sample 9 : Gas Station (Thanyaburi, Pathumthani, Thailand)

9.1 Can # 1904

9.2 Date March 25, 2024 Time 11.10 am. (Thailand)

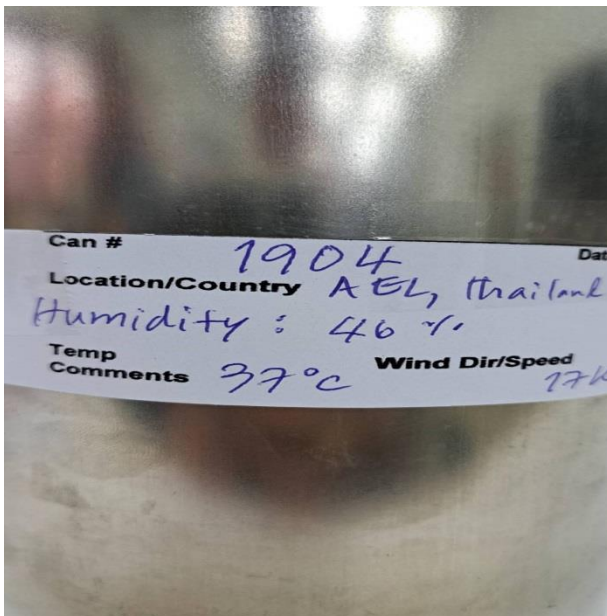
9.3 Location/Country Thanyaburi, Pathumthani, Thailand

9.4 Lat 14.02 Long 100.72

9.5 Humidity 46% Temp 37 celsius

9.6 Wind Dir/Speed 17 km/hr. Weather : Clear

9.7 Elev 1 m. (Level of sampling sample)



10.Sampling 10 : Shrine (Burning of incense sticks)

10.1 Can #3311

10.2 Date March 25,2024 Time 11.30 am. (Thailand)

10.3 Location/Country Thanyaburi,Pathumthani, Thailand

10.4 Lat 14.02 Long 100.72

10.5 Humidity 46% Temp 37 celsius

10.6 Wind Dir/ Speed 17 km/hr. Weather : Clear

10.7 Elev 1 m. (Level of sampling sample)

