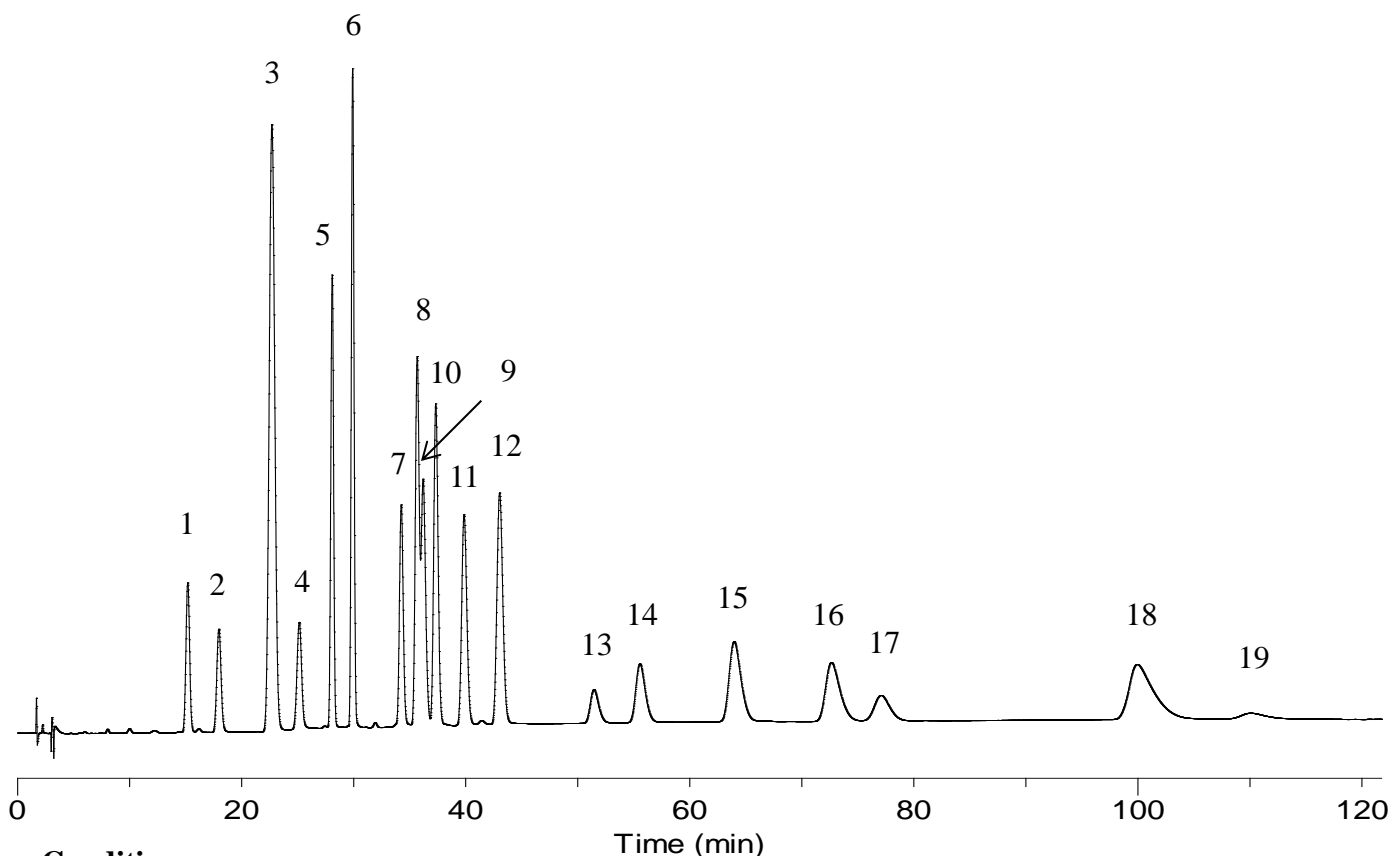


# Analysis of Polycyclic Aromatic Hydrocarbons

(Based on the Condition of Japanese Guideline for Particulate Matter 2.5)



### Conditions

**System** : GL-7400 system  
**Column** : Inertsil ODS-P (5  $\mu$ m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-02002  
**Eluent** : A) CH<sub>3</sub>CN  
           : B) H<sub>2</sub>O  
           : A/B = 80/20 – 20 min – 80/20 – 5 min  
           : – 100/0 – 100 min – 100/0, v/v  
**Flow rate** : 1.0 mL/min  
**Col. Temp.** : 15°C  
**Detection** : UV 254 nm (GL-7452A PDA Detector)  
**Injection Vol.** : 20  $\mu$ L  
**Analyte** : PAHs

### Analyte:

1. Fluoranthene	(10 mg/L)
2. Pyrene	(10 mg/L)
3. Triphenylene	(10 mg/L)
4. <i>p</i> -Terphenyl	(10 mg/L)
5. Benzo[a]anthracene	(10 mg/L)
6. Chrysene	(10 mg/L)
7. Benzo[e]pyrene	(10 mg/L)
8. Benzo[b]fluoranthene	(10 mg/L)
9. Perylene	(10 mg/L)
10. Dibenzo[a,c]anthracene	(10 mg/L)
11. Benzo[k]fluoranthene	(10 mg/L)
12. Benzo[a]pyrene	(10 mg/L)
13. Dibenzo[a,h]anthracene	(10 mg/L)
14. Benzo[g,h,i]perylene	(10 mg/L)
15. Indeno[1,2,3-cd]pyrene	(10 mg/L)
16. Benzo[b]chrysene	(10 mg/L)
17. Dibenzo[a,e]pyrene	(10 mg/L)
18. Picene	(10 mg/L)
19. Coronene	(10 mg/L)