APPLICATION NOTE

APIX ANALYTICS

E==<J

Air Analysis

:GG

VOC analysis

JRJK=DJ

ALPHA PIX

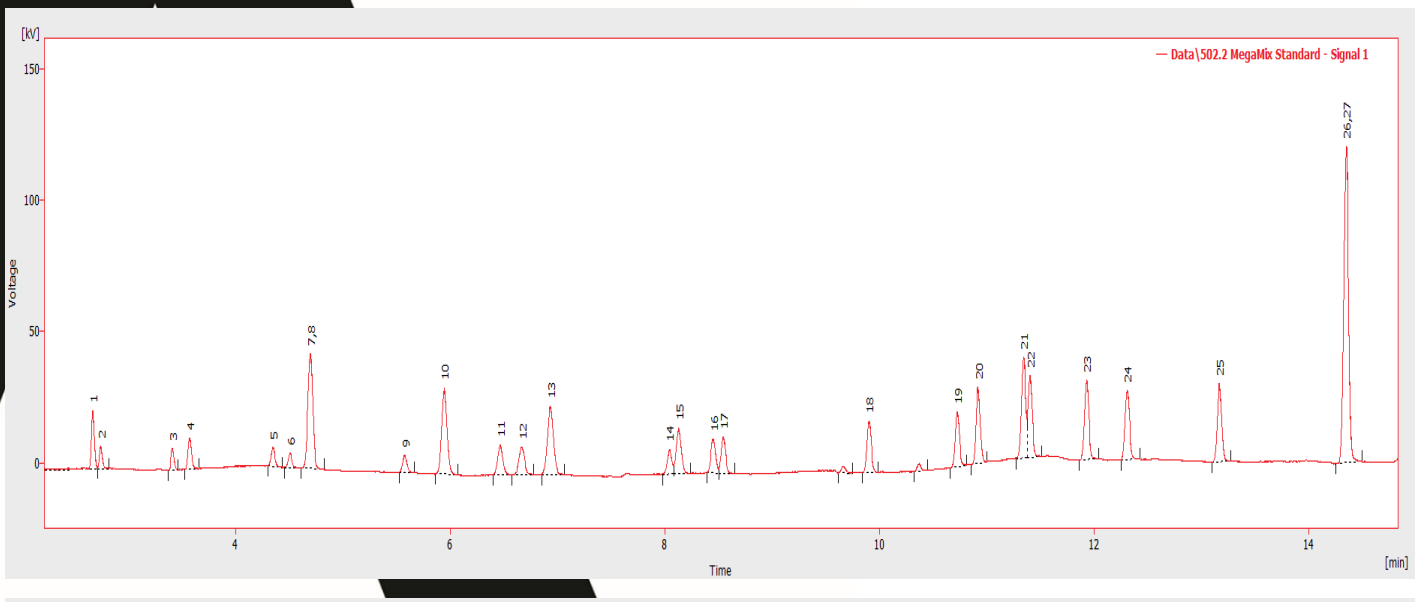
D=K?F<

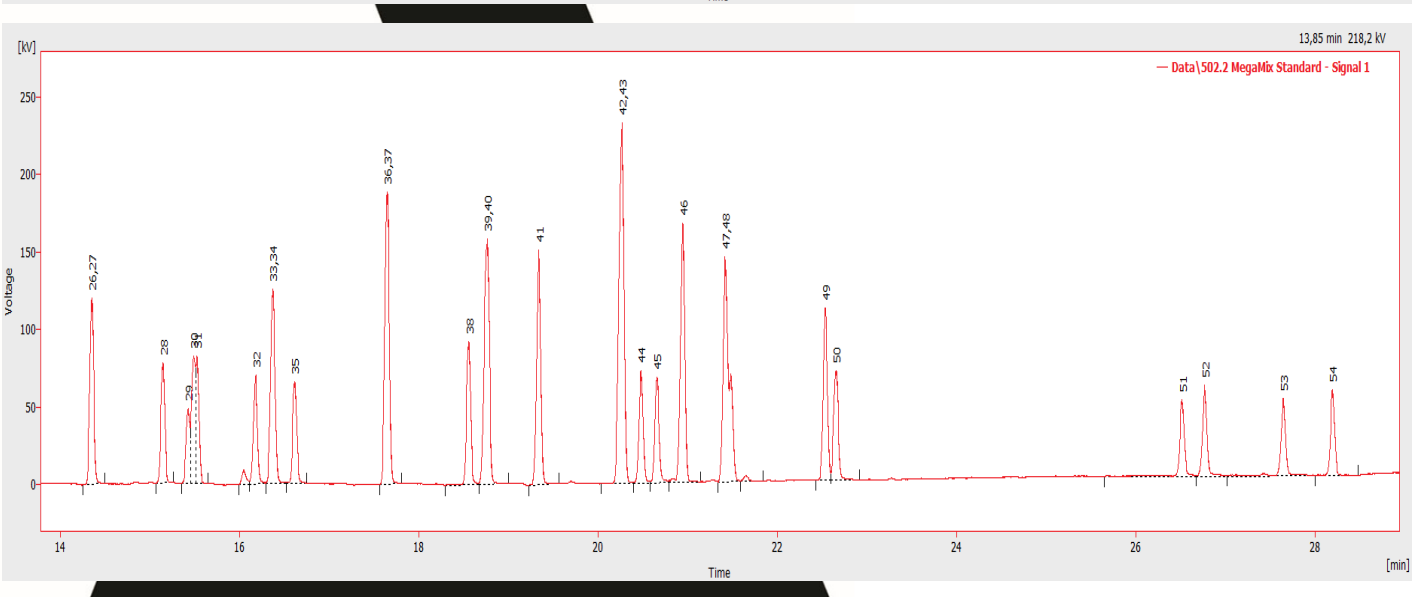
Method
GC
Column : Rxi-1MS 25m, 0,25mmID, 1µm
35°C(hold 7min) to 60°C @10°C/min, to 180°C @ 5°C/min, to 260°C @15°C/min (hold 3min)
Valve Temp : 250°C
Pressure : 150kPa
Split : 5mL/min
Trap material : Tenax
Trap absorption Temp : 5°C
Trap desorption Temp : 270°C (1,5min)

NGD Temp

Rate (°C/min)	Temp. (°C)	Time (min)
initial	30	15,00
6,0	120	0,00
12,0	220	4,00

;?IFD:KF>I:D





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APPLICATION NOTE

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	Retention time (min)	RSD (RT)	RSD (Area)
1. 1,1-Dichloroethene	2,665	0,03	6,86
2. Methylene Chloride	2,738	0,04	4,29
3. trans-1,2-Dichloroethene	3,407	0,05	6,51
4. 1,1-Dichloroethane	3,568	0,05	4,69
5. cis-1,2-Dichloroethene	4,344	0,06	7,92
6. Bromochloromethane	4,504	0,02	3,54
7. 2,2-Dichloropropane			
8. Chloroform	4,694	0,03	2,92
9. 1,2-Dichloroethane	5,57	0,1	19,67
10. 1,1,1-Trichloroethane	5,94	0,1	3,23
11. 1,1-Dichloropropene	6,459	0,12	13,41
12. Benzene	6,659	0,1	15,62
13. Carbon Tetrachloride	6,925	0,09	2,87
14. 1,2-Dichloropropane	8,036	0,05	18,06
15. Dibromomethane	8,12	0,04	16,45
16. Bromodichloromethane	8,441	0,03	18,34
17. Trichloroethene	8,538	0,03	18,38
18. cis-1,3-Dichloropropene	9,898	0,03	17,33
19. trans-1,3-Dichloropropene	10,72	0,03	16,06
20. 1,1,2-Trichloroethane	10,913	0,03	14,5
21. Toluene	11,338	0,02	14,22
22. 1,3-Dichloropropane	11,398	0,03	14,31
23. Dibromochloromethane	11,926	0,01	11,14
24. 1,2-Dibromoethane	12,305	0,03	13,42
25. Tetrachloroethene	13,166	0,02	14,27
26. 1,1,1,2-Tetrachloroethane			
27. Chlorobenzene	14,349	0,02	8,29

	Retention time (min)	RSD (RT)	RSD (Area)
28. Ethylbenzene	15,141	0,02	9,79
29. m-Xylene	15,421	0,01	11,58
30. p-Xylene	15,485	0,01	7,58
31. Bromoform	15,523	0,02	13,57
32. Styrene	16,173	0,02	9,92
33. 1,1,2,2-Tetrachloroethane			
34. o-Xylene	16,367	0,01	7,9
35. 1,2,3-Trichloropropane	16,611	0,01	9,61
36. Isopropylbenzene			
37. Bromobenzene	17,643	0,01	7,75
38. 2-Chlorotoluene	18,554	0,01	6,4
39. n-Propylbenzene			
40. 4-Chlorotoluene	18,758	0,03	5,87
41. 1,3,5-Trimethylbenzene	19,335	0,01	7,35
42. tert-Butylbenzene			
43. 1,2,4-Trimethylbenzene	20,261	0,02	5,63
44. 1,3-Dichlorobenzene	20,475	0,02	10,39
45. 1,4-Dichlorobenzene	20,657	0,02	10,53
46. sec-Butylbenzene	20,943	0,03	4,63
47. 4-Isopropyltoluene			
48. 1,2-Dichlorobenzene	21,42	0,02	10,89
49. n-Butylbenzene	22,536	0,02	8,62
50. 1,2-Dibromo-3-Chloropropane	22,652	0,03	11,8
51. 1,2,4-Trichlorobenzene	26,517	0,02	14,3
52. Naphthalene	26,771	0,03	12,63
53. 1,2,3-Trichlorobenzene	27,645	0,02	10,68
54. Hexachloro-1,3-Butadiene	28,199	0,02	8,67

502.2 MegaMix Standard
*RSD calculated on successive 4 analysis with manual injection (1µL)

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