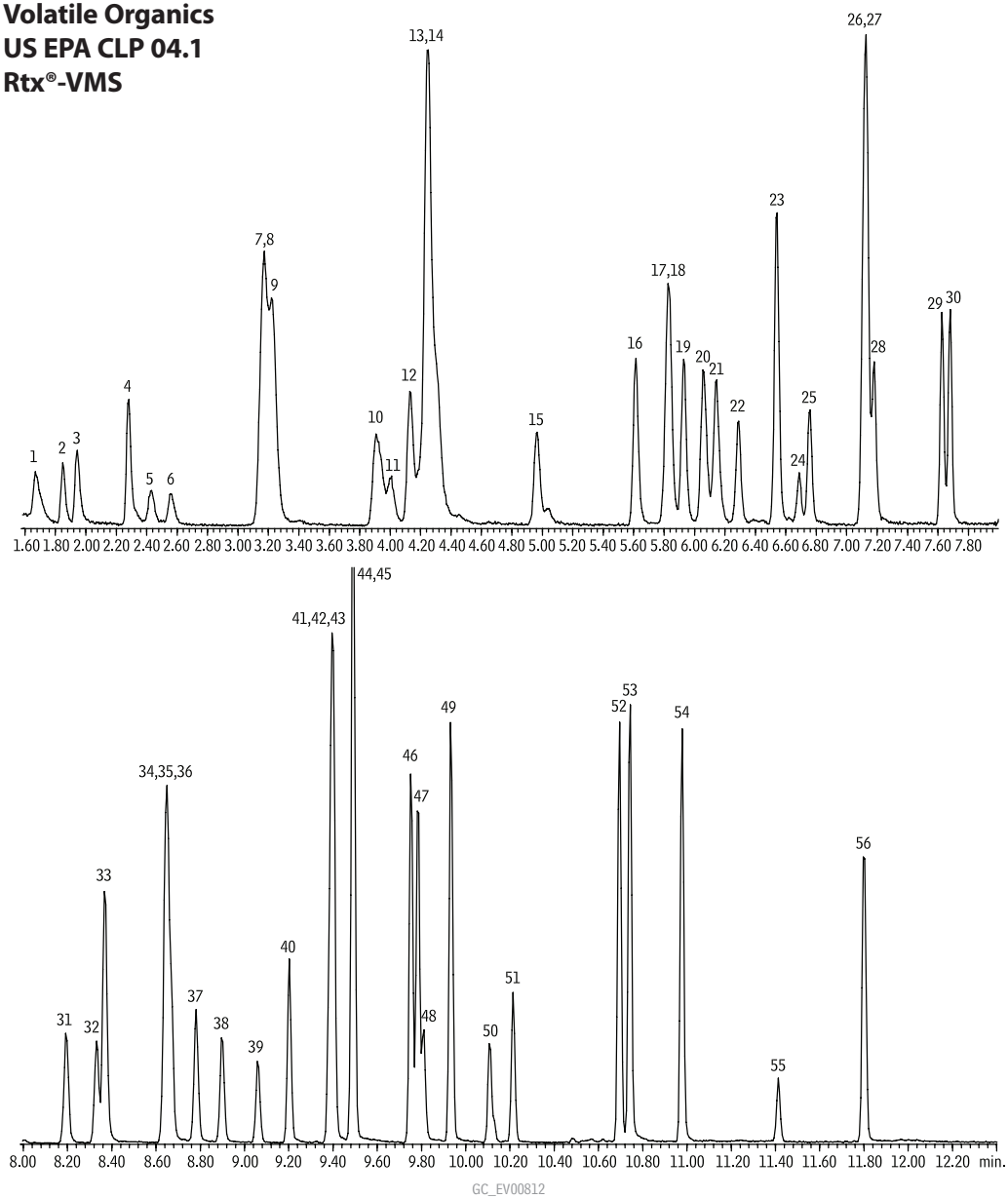
Volatile Organics
US EPA CLP 04.1
Rtx®-VMS



GC_EV00812

1. dichlorodifluoromethane
2. chloromethane
3. vinyl chloride
4. bromomethane
5. chloroethane
6. trichlorofluoromethane
7. 1,1-dichloroethene
8. carbon disulfide
9. 1,1,2-trichloro-1,2,2-trifluoroethane
10. methylene chloride
11. acetone
12. *trans*-1,2-dichloroethene
13. methyl acetate
14. methyl *tert*-butyl ether
15. 1,1-dichloroethane
16. cis-1,2-dichoroethane
17. cyclohexane
18. bromochloromethane (IS)
19. chloroform
20. carbon tetrachloride
21. 1,1,1-trichloroethane
22. 2-butanone
23. benzene
24. 1,2-dichloroethane-d4 (SS)
25. 1,2-dichloroethane
26. methylcyclohexane
27. trichloroethene
28. 1,4-difluorobenzene (IS)
29. 1,2-dichloropropane
30. bromodichloromethane
31. *cis*-1,3-dichloropropene
32. toluene d8 (SS)
33. toluene
34. tetrachloroethane
35. 4-methyl-2-pentanone
36. *trans*-1,3-dichloropropane
37. 1,1,2-trichloroethane
38. dibromochloromethane
39. 1,2-dibromoethane
40. 2-hexanone
41. chlorobenzene d5 (IS)
42. chlorobenzene
43. ethylbenzene
44. *m*-xylene
45. *p*-xylene
46. *o*-xylene
47. styrene
48. bromoform
49. isopropylbenzene
50. 4-bromofluorobenzene (SS)
51. 1,1,2,2-tetrachloroethane
52. 1,3-dichlorobenzene
53. 1,4-dichlorobenzene
54. 1,2-dichlorobenzene
55. 1,2-dibromo-3-chloropropane
56. 1,2,4-trichlorobenzene

Column:	Rtx®-VMS 30m, 0.25mm ID, 1.4µm (cat.# 19915)
Sample:	CLP 04.1 VOA MegaMix™ (cat.# 30456) 2000ug/mL in methanol 502.2 Calibration Mix (gases) (cat.# 30042) 2000ug/mL in methanol VOA Calibration Mix (ketones) (cat.# 30006) 5000ug/mL in methanol/water (90:10) VOA Internal Standard Mix (cat.# 30011) 2500ug/mL in methanol VOA Surrogate Spike Mix (cat.# 30004) 2500ug/mL in methanol 20 ppb each analyte in 25mL water, ketones 100 ppb each
Inj.:	split, 35:1, 1mm ID Siltek® splitless inlet liner (cat.# 20972-214.1)
Inj. temp.:	200°C
Carrier gas:	helium
Linear velocity:	34cm/sec. @ 40°C, constant flow
Oven temp.:	40°C (4 min.), to 90°C @ 16°C/min., to 220°C @ 32°C/min. (hold 5 min.)
Det.:	MS
Transfer line temp.:	150°C
Scan range:	35-300 amu.
Ionization:	EI
Mode:	scan

Purge and Trap Conditions

Instrument:	OI 4660 Eclipse Purge and Trap
Trap:	#10 (Tenax®/silica gel/carbon molecular sieve)
Sample temp.:	ambient
Purge:	11 min. @ 40mL/min.
Desorb preheat:	185°C
Desorb:	0.5 min. @ 190°C
Desorb flow rate:	35.0mL/min.
Bake:	8 min. @ 210°C
Interface:	split injector
Transfer line temp.:	150°C

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