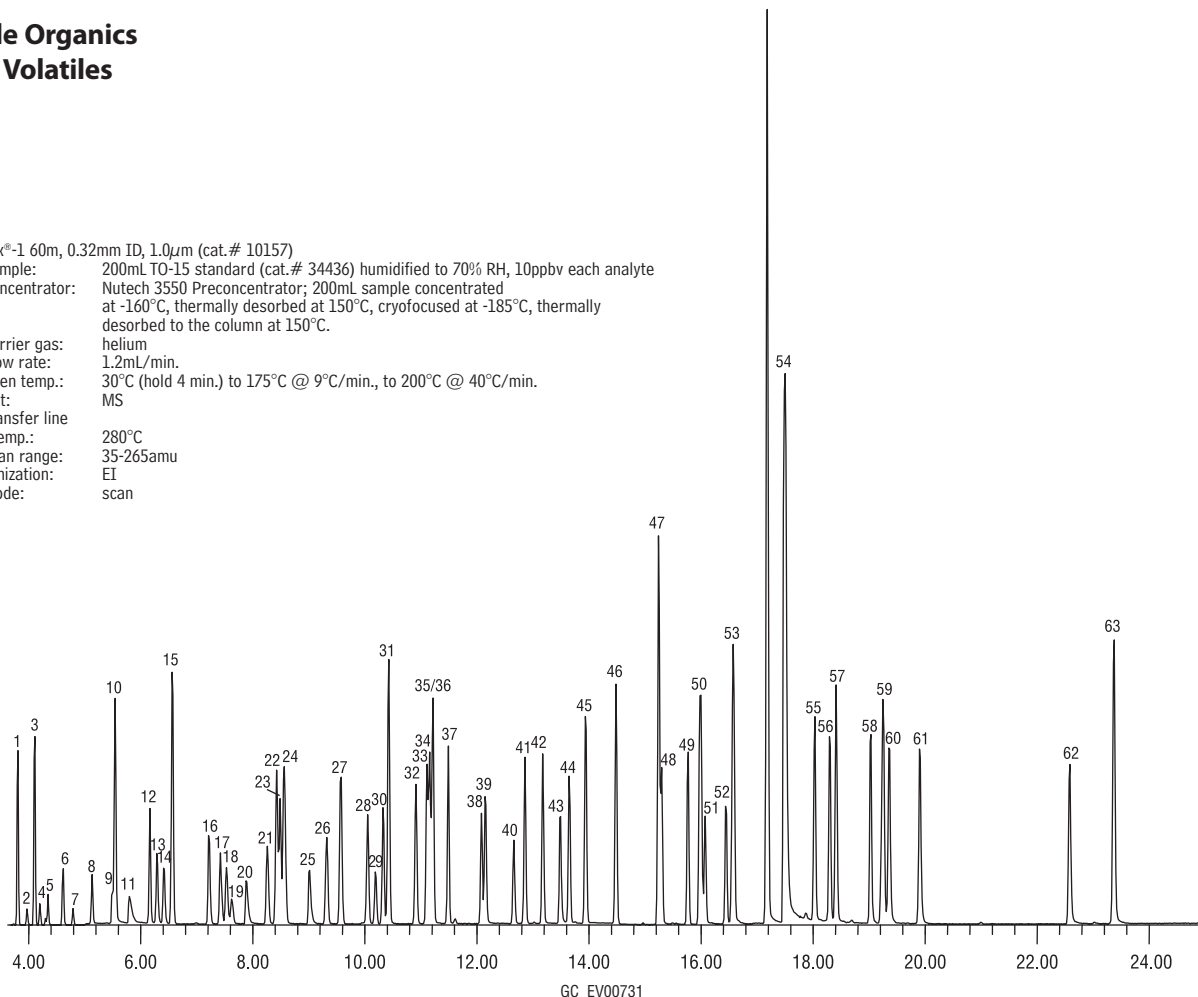


Volatile Organics
TO-15 Volatiles
Rtx®-1

Rtx®-1 60m, 0.32mm ID, 1.0µm (cat.# 10157)
 Sample: 200mL TO-15 standard (cat.# 34436) humidified to 70% RH, 10ppbv each analyte
 Concentrator: Nutech 3550 Preconcentrator; 200mL sample concentrated at -160°C, thermally desorbed at 150°C, cryofocused at -185°C, thermally desorbed to the column at 150°C.
 Carrier gas: helium
 Flow rate: 1.2mL/min.
 Oven temp.: 30°C (hold 4 min.) to 175°C @ 9°C/min., to 200°C @ 40°C/min.
 Det: MS
 Transfer line temp.: 280°C
 Scan range: 35-265amu
 Ionization: EI
 Mode: scan



GC_EV00731

Compounds	RTs	Day 1 ppbv	Day 7 ppbv	Day 15 ppbv				
1. dichlorofluoromethane	3.794	9.2	9.4	9.2	32. 1,2-dichloropropane	10.884	9.7	9.2
2. chloromethane	3.952	8.2	9.9	9.6	33. bromodichloromethane	11.081	8.6	8.6
3. dichlorotetrafluoroethane	4.096	9.1	9.6	8.6	34. trichloroethene	11.127	8.5	9.3
4. vinyl chloride	4.193	8.6	9.9	8.5	35. 1,4-dioxane	11.157	7.9	9.4
5. 1,3-butadiene	4.327	8.6	9.3	8.6	36. 2,2,4-trimethylpentane	11.188	8.3	9.0
6. bromomethane	4.601	8.5	9.3	8.8	37. n-heptane	11.461	8.6	8.7
7. chloroethane	4.774	8.6	9.6	7.9	38. cis-1,3-dichloropropene	12.068	7.7	10.0
8. bromoethene	5.117	9.4	9.6	8.5	39. methyl isobutyl ketone	12.129	8.5	9.1
9. acetone	5.436	8.8	9.5	8.9	40. trans-1,3-dichloropropene	12.644	7.2	9.7
10. trichlorofluoromethane	5.527	9.6	9.2	9.7	41. 1,1,2-trichloroethane	12.842	9.9	10.0
11. isopropyl alcohol	5.709	8.8	9.2	9.2	42. toluene	13.160	10.0	10.0
12. 1,1-dichloroethene	6.149	9.2	9.9	9.5	43. methyl butyl ketone	13.464	10.0	9.7
13. methylene chloride	6.271	9.0	9.4	8.7	44. dibromochloromethane	13.631	10.0	9.0
14. 3-chloropropene	6.392	8.4	9.6	8.7	45. 1,2-dibromoethane	13.919	10.0	8.9
15. carbon disulfide	6.544	8.4	9.5	8.8/	46. tetrachloroethene	14.481	9.9	9.0
16. Freon® TF	6.544	9.4	9.4	9.6	*47. chlorobenzene-d5	15.224	10.0	10.0
17. trans-1,2-dichloroethene	7.196	9.2	9.4	9.2	48. chlorobenzene	15.285	9.8	9.1
18. 1,1-dichloroethane	7.394	9.2	9.1	9.5	49. ethylbenzene	15.755	11.0	9.2
19. methyl tert-butyl ether	7.500	9.6	8.9	9.2	50. xylene (m,p)	15.983	20.0	17.0
20. methyl ethyl ketone	7.834	9.1	9.3	9.0	51. bromoform	16.059	9.5	8.9
21. cis-1,2-dichloroethene	8.228	9.6	9.3	9.3	52. styrene	16.438	10.0	9.2
*22. bromochloromethane	8.395	10.0	10.0	10.0	53. 1,1,2,2-tetrachloroethane	16.545	11.0	8.7
23. n-hexane	8.471	9.1	10.0	9.2	54. xylene (o)	16.575	11.0	8.9
24. chloroform	8.532	9.6	9.4	9.9	55. 2-chlorotoluene	18.017	11.0	9.9
25. tetrahydrofuran	8.972	8.4	8.2	8.4	56. 4-ethyltoluene	18.290	10.0	9.6
26. 1,2-dichloroethane	9.291	9.4	7.7	9.0	57. 1,3,5-trimethylbenzene	18.396	11.0	9.8
27. 1,1,1-trichloroethane	9.549	9.0	7.6	9.4	58. 1,2,4-trimethylbenzene	19.018	11.0	9.5
28. benzene	10.019	9.7	8.3	9.2	59. 1,3-dichlorobenzene	19.246	10.0	9.6
29. carbon tetrachloride	10.171	9.1	7.7	8.3	60. 1,4-dichlorobenzene	19.352	10.0	9.6
30. cyclohexane	10.307	9.1	9.4	9.3	61. 1,2-dichlorobenzene	19.898	11.0	9.8
*31. 1,4-difluorobenzene	10.399	10.0	10.0	10.0	62. 1,2,4-trichlorobenzene	22.569	12.0	11.0
					63. hexachlorobutadiene	23.358	12.0	9.3