

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042870.D
 Acq On : 21 Aug 2025 17:52
 Operator : SY/MD
 Sample : Q2887-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 01:25:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 01:25:33 2025
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.797	49	128750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	376942	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	322820	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	246799	10.194	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9142	0.484	ppbv	97
4) Chloromethane	1.538	50	3989	0.524	ppbv #	85
9) Propene	1.492	41	6487m	0.720	ppbv	
10) Heptane	5.001	43	4870m	0.202	ppbv	
11) Trichlorofluoromethane	1.884	101	4862	0.261	ppbv	84
13) Ethanol	1.729	45	1267716	1539.235	ppbv	95
15) Acetone	1.842	43	177192	10.404	ppbv	96
19) Isopropyl Alcohol	1.894	45	365149	35.896	ppbv #	36
20) Methylene Chloride	2.068	84	117619	16.486	ppbv	92
26) Hexane	2.836	57	221073	11.619	ppbv #	46
34) 2-Butanone	2.570	43	10108	0.397	ppbv	96
35) Carbon Tetrachloride	3.774	117	1994m	0.077	ppbv	
36) Benzene	3.674	78	7833	0.217	ppbv #	93
44) 2,2,4-Trimethylpentane	4.661	57	11253m	0.184	ppbv	
52) Tetrachloroethene	8.250	164	582m	0.045	ppbv	
53) Toluene	6.953	91	19807m	0.462	ppbv	
59) m/p-Xylene	9.545	91	10129m	0.227	ppbv	
74) 1,2,4-Trimethylbenzene	11.545	105	9599	0.189	ppbv #	62
79) Naphthalene	13.526	128	2129	0.046	ppbv #	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

Reviewed By :Mahesh Dadoda 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Abundance

TIC: VL042870.D\data.ms

Time-->

Retention Time (min)	Compound
1.50	Chloroform, T
1.60	Carbon tetrachloride, T
1.70	1,1,1-Trichloroethane, T
1.80	1,1,2-Trichloroethane, T
1.90	1,1,2,2-Tetrachloroethane, T
2.00	1,1,2,2,3-Pentachloropentane, T
2.10	1,1,2,2,3,3-Hexachlorohexane, T
2.20	1,1,2,2,3,3,4-Heptachloroheptane, T
2.30	1,1,2,2,3,3,4,4-Octachlorooctane, T
2.40	1,1,2,2,3,3,4,4,5-Nonachlorononane, T
2.50	1,1,2,2,3,3,4,4,5,5-Decachlorodecane, T
2.60	1,1,2,2,3,3,4,4,5,5,6-Undecachloroundecane, T
2.70	1,1,2,2,3,3,4,4,5,5,6,6-Dodecachlorododecane, T
2.80	1,1,2,2,3,3,4,4,5,5,6,6,7-Tridecachlorotridecane, T
2.90	1,1,2,2,3,3,4,4,5,5,6,6,7,7-Tetradecachlorotetradecane, T
3.00	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8-Pentadecachloropentadecane, T
3.10	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Hexadecachlorohexadecane, T
3.20	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9-Heptadecachloroheptadecane, T
3.30	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10-Octadecachlorooctadecane, T
3.40	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11-Nonadecachlorononadecane, T
3.50	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12-Eicosa-chloroeicosa-nane, T
3.60	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13-Henicosachlorohenicosane, T
3.70	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14-Triacontachlorotriacontane, T
3.80	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15-Triacontachlorotriacontane, T
3.90	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16-Triacontachlorotriacontane, T
4.00	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17-Triacontachlorotriacontane, T
4.10	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18-Triacontachlorotriacontane, T
4.20	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19-Triacontachlorotriacontane, T
4.30	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20-Triacontachlorotriacontane, T
4.40	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21-Triacontachlorotriacontane, T
4.50	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22-Triacontachlorotriacontane, T
4.60	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23-Triacontachlorotriacontane, T
4.70	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24-Triacontachlorotriacontane, T
4.80	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25-Triacontachlorotriacontane, T
4.90	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26-Triacontachlorotriacontane, T
5.00	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27-Triacontachlorotriacontane, T
5.10	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28-Triacontachlorotriacontane, T
5.20	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29-Triacontachlorotriacontane, T
5.30	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30-Triacontachlorotriacontane, T
5.40	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31-Triacontachlorotriacontane, T
5.50	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32-Triacontachlorotriacontane, T
5.60	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33-Triacontachlorotriacontane, T
5.70	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34-Triacontachlorotriacontane, T
5.80	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35-Triacontachlorotriacontane, T
5.90	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36-Triacontachlorotriacontane, T
6.00	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37-Triacontachlorotriacontane, T
6.10	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38-Triacontachlorotriacontane, T
6.20	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,11,12,13,14,15,