

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043081.D
 Acq On : 09 Oct 2025 10:54
 Operator : SY/MD
 Sample : VL1009ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:12:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	181390	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	514089	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	451201	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 369478 11.367 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	293580	9.603	ppbv	99
3) Chlorodifluoromethane	1.473	51	270688	9.153	ppbv	99
4) Chloromethane	1.528	50	107728	9.647	ppbv	100
5) Vinyl Chloride	1.577	62	98068	9.254	ppbv	97
6) Bromomethane	1.664	94	45154	9.482	ppbv	93
7) Chloroethane	1.700	64	40121	9.073	ppbv	98
8) Dichlorotetrafluoroethane	1.551	85	241323	9.633	ppbv	99
9) Propene	1.479	41	96090	8.058	ppbv	97
10) Heptane	4.959	43	293330	10.005	ppbv	100
11) Trichlorofluoromethane	1.871	101	288827	9.193	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	230473	9.314	ppbv	98
13) Ethanol	1.716	45	5225	10.822	ppbv	93
14) Bromoethene	1.777	108	84616	9.539	ppbv	98
15) Acetone	1.829	43	207129	8.155	ppbv	99
16) 1,3-Butadiene	1.606	39	96473	9.213	ppbv	99
17) tert-Butyl alcohol	2.033	59	243309	9.057	ppbv	100
18) 1,1-Dichloroethene	2.026	96	100023	9.221	ppbv	94
19) Isopropyl Alcohol	1.881	45	110569	9.086	ppbv	100
20) Methylene Chloride	2.056	84	89568	8.080	ppbv	98
21) Allyl Chloride	2.088	41	146785	9.021	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	112670	9.149	ppbv	98
23) Vinyl Acetate	2.454	43	39200	7.270	ppbv	98
24) 1,1-Dichloroethane	2.402	63	210505	9.017	ppbv	99
25) Ethyl Acetate	2.823	43	600739	9.429	ppbv	100
26) Hexane	2.816	57	234699	9.576	ppbv	98
27) Carbon Disulfide	2.143	76	273526	9.453	ppbv	100
28) Methyl tert-Butyl Ether	2.431	73	134182	8.748	ppbv	99
29) Chloroform	2.836	83	388742	9.303	ppbv	99
30) Cyclohexane	3.842	84	194228	9.644	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	223556	8.873	ppbv	97
32) 1,1,1-Trichloroethane	3.353	97	375702	9.251	ppbv	99
34) 2-Butanone	2.548	43	320496	9.188	ppbv	98
35) Carbon Tetrachloride	3.748	117	407086	9.625	ppbv	96
36) Benzene	3.642	78	461671	9.400	ppbv	98
37) 1,2-Dichloroethane	3.205	62	284516	9.781	ppbv	98
38) Trichloroethene	4.528	130	194878	9.525	ppbv	97
39) 1,2-Dichloropropane	4.295	63	167974	9.226	ppbv	95
40) 1,4-Dioxane	4.558	88	77501	9.925	ppbv #	96
41) Tetrahydrofuran	3.040	42	178901	9.923	ppbv	99
42) Bromodichloromethane	4.470	83	404287	9.842	ppbv	97
43) Methyl Methacrylate	4.855	69	163729	10.042	ppbv	99
44) 2,2,4-Trimethylpentane	4.619	57	800720	10.160	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	139636	9.358	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	201001	9.561	ppbv	99
47) 1,1,2-Trichloroethane	6.555	97	190408	9.403	ppbv	97
48) Dibromochloromethane	7.367	129	329184	9.960	ppbv	99
49) Bromoform	9.467	173	286743	10.388	ppbv	99
50) 4-Methyl-2-Pentanone	5.719	43	443830	10.434	ppbv	98
51) 2-Hexanone	7.412	43	339405	11.210	ppbv #	97
52) Tetrachloroethene	8.205	164	164807	9.062	ppbv	98
53) Toluene	6.911	91	506100	10.206	ppbv	100
54) 1,2-Dibromoethane	7.632	107	238079	9.919	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.908	131	264615	9.621	ppbv	100
57) Chlorobenzene	8.904	112	436424	9.150	ppbv	98
58) Ethyl Benzene	9.338	91	728666	10.424	ppbv	100
59) m/p-Xylene	9.535	91	1254878m	21.284	ppbv	
60) o-Xylene	9.950	91	627895	10.691	ppbv	100
61) Styrene	9.856	104	260881	10.603	ppbv	99
62) Isopropylbenzene	10.526	105	942102	10.450	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	396481	9.410	ppbv	99
64) n-propylbenzene	10.976	120	248676	10.783	ppbv	98
65) tert-Butylbenzene	11.520	119	862289	10.747	ppbv	100
66) Benzyl Chloride	11.604	91	33788	11.018	ppbv	98
67) sec-Butylbenzene	11.756	105	1196731	10.688	ppbv	100
69) p-Isopropyltoluene	11.914	119	1005278	11.037	ppbv	99
70) n-Butylbenzene	12.270	91	986134	11.244	ppbv	100
71) 2-Chlorotoluene	10.888	91	688227	10.547	ppbv	99
72) 4-Ethyltoluene	11.112	105	768344	10.992	ppbv	100
73) 1,3,5-Trimethylbenzene	11.193	105	653539	10.807	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	738742	10.824	ppbv	93
75) 1,3-Dichlorobenzene	11.594	146	443496	9.991	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	434532	10.266	ppbv	100
77) 1,2-Dichlorobenzene	11.934	146	425426	9.622	ppbv	99
78) Hexachloro-1,3-Butadiene	13.869	225	289580	9.400	ppbv	100
79) Naphthalene	13.500	128	547120	9.489	ppbv	99
80) Naphthalene,2-methyl-	14.445	142	207315	7.827	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	299266	11.377	ppbv	99

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

Manual Integrations
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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Response via : Initial Calibration

