

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043056.D
 Acq On : 08 Oct 2025 10:23
 Operator : SY/MD
 Sample : VL1008ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1008ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:13:58 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	2.790	49	180769	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.965	114	507280	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.888	117	420006	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 311409 10.292 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	298862	9.809	ppbv	99
3) Chlorodifluoromethane	1.479	51	287792	9.765	ppbv	99
4) Chloromethane	1.534	50	109383	9.829	ppbv	99
5) Vinyl Chloride	1.583	62	100664	9.531	ppbv	98
6) Bromomethane	1.670	94	47728	10.057	ppbv	94
7) Chloroethane	1.706	64	41972	9.524	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	241906	9.690	ppbv	100
9) Propene	1.486	41	112680	9.482	ppbv	97
10) Heptane	4.988	43	320232	10.961	ppbv	99
11) Trichlorofluoromethane	1.881	101	303354	9.689	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	236959	9.609	ppbv	98
13) Ethanol	1.725	45	5047	10.450	ppbv	96
14) Bromoethene	1.784	108	85960	9.723	ppbv	100
15) Acetone	1.839	43	214418	8.471	ppbv	99
16) 1,3-Butadiene	1.612	39	99577	9.542	ppbv	99
17) tert-Butyl alcohol	2.043	59	257752	9.627	ppbv	99
18) 1,1-Dichloroethene	2.036	96	103392	9.565	ppbv	99
19) Isopropyl Alcohol	1.887	45	112050	9.240	ppbv	98
20) Methylene Chloride	2.065	84	91977	8.325	ppbv	97
21) Allyl Chloride	2.101	41	157994	9.743	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	116408	9.485	ppbv	96
23) Vinyl Acetate	2.463	43	42601	7.928	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	224330	9.643	ppbv	98
25) Ethyl Acetate	2.839	43	649598	10.231	ppbv	100
26) Hexane	2.832	57	257052	10.524	ppbv	99
27) Carbon Disulfide	2.153	76	282182	9.786	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	141448	9.254	ppbv	100
29) Chloroform	2.852	83	402846	9.674	ppbv	99
30) Cyclohexane	3.865	84	209844	10.455	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	240044	9.560	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	388607	9.602	ppbv	99
34) 2-Butanone	2.560	43	346409	10.064	ppbv	99
35) Carbon Tetrachloride	3.768	117	414085	9.922	ppbv	97
36) Benzene	3.664	78	505655	10.433	ppbv	99
37) 1,2-Dichloroethane	3.224	62	295335	10.289	ppbv	99
38) Trichloroethene	4.558	130	214599	10.629	ppbv	100
39) 1,2-Dichloropropane	4.321	63	184414	10.265	ppbv	96
40) 1,4-Dioxane	4.587	88	80666	10.469	ppbv #	98
41) Tetrahydrofuran	3.056	42	196371	11.038	ppbv	99
42) Bromodichloromethane	4.496	83	421840	10.407	ppbv	98
43) Methyl Methacrylate	4.888	69	177306	11.020	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	876882	11.275	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	149657	10.165	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	219390	10.576	ppbv	98
47) 1,1,2-Trichloroethane	6.593	97	202692	10.143	ppbv	93
48) Dibromochloromethane	7.396	129	335227	10.279	ppbv	100
49) Bromoform	9.490	173	277184	10.177	ppbv	100
50) 4-Methyl-2-Pentanone	5.755	43	479434	11.422	ppbv	99
51) 2-Hexanone	7.441	43	357341	11.961	ppbv #	97
52) Tetrachloroethene	8.234	164	174823	9.742	ppbv	98
53) Toluene	6.943	91	550580	11.253	ppbv	100
54) 1,2-Dibromoethane	7.661	107	244672	10.331	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	268030	10.469	ppbv	99
57) Chlorobenzene	8.930	112	454755	10.242	ppbv	98
58) Ethyl Benzene	9.361	91	751984	11.557	ppbv	100
59) m/p-Xylene	9.558	91	1263318m	23.019	ppbv	
60) o-Xylene	9.972	91	629102	11.507	ppbv	98
61) Styrene	9.879	104	264798	11.562	ppbv	99
62) Isopropylbenzene	10.545	105	934426	11.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	378183	9.643	ppbv	100
64) n-propylbenzene	10.995	120	244470	11.388	ppbv	99
65) tert-Butylbenzene	11.536	119	831489	11.133	ppbv	99
66) Benzyl Chloride	11.620	91	27741	9.718	ppbv	99
67) sec-Butylbenzene	11.772	105	1135694	10.896	ppbv	100
69) p-Isopropyltoluene	11.931	119	948994	11.193	ppbv	99
70) n-Butylbenzene	12.287	91	917717	11.241	ppbv	100
71) 2-Chlorotoluene	10.908	91	667532	10.990	ppbv	100
72) 4-Ethyltoluene	11.131	105	744358	11.439	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	624701	11.098	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	697335	10.976	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	408885	9.895	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	405222	10.285	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	395362	9.606	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	294735	10.277	ppbv	99
79) Naphthalene	13.517	128	540252	10.024	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	208159	8.390	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	311481	12.721	ppbv	98

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

