

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043054.D
 Acq On : 08 Oct 2025 08:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 01:12:11 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	2.790	49	178633	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	491196	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	404989	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 316847 10.860 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	300021	9.965	ppbv	100
3) Chlorodifluoromethane	1.479	51	285882	9.816	ppbv	99
4) Chloromethane	1.534	50	110739	10.070	ppbv	100
5) Vinyl Chloride	1.583	62	102462	9.817	ppbv	99
6) Bromomethane	1.670	94	47015	10.025	ppbv	100
7) Chloroethane	1.706	64	43231	9.927	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	244404	9.907	ppbv	100
9) Propene	1.486	41	110049	9.371	ppbv	97
10) Heptane	4.988	43	317138	10.984	ppbv	100
11) Trichlorofluoromethane	1.881	101	308928	9.985	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	235021	9.645	ppbv	100
13) Ethanol	1.722	45	4836	10.094	ppbv	94
14) Bromoethene	1.784	108	84786	9.705	ppbv	99
15) Acetone	1.835	43	218946	8.754	ppbv	99
16) 1,3-Butadiene	1.612	39	102003	9.892	ppbv	98
17) tert-Butyl alcohol	2.042	59	253647	9.587	ppbv	99
18) 1,1-Dichloroethene	2.036	96	102910	9.634	ppbv	96
19) Isopropyl Alcohol	1.887	45	110173	9.194	ppbv	95
20) Methylene Chloride	2.065	84	91496	8.381	ppbv	96
21) Allyl Chloride	2.097	41	156853	9.789	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	116424	9.600	ppbv	99
23) Vinyl Acetate	2.466	43	41001	7.721	ppbv #	95
24) 1,1-Dichloroethane	2.411	63	225799	9.822	ppbv	99
25) Ethyl Acetate	2.839	43	640475	10.207	ppbv	100
26) Hexane	2.829	57	254276	10.535	ppbv	100
27) Carbon Disulfide	2.152	76	285988	10.036	ppbv	100
28) Methyl tert-Butyl Ether	2.441	73	138930	9.198	ppbv	99
29) Chloroform	2.852	83	400562	9.734	ppbv	98
30) Cyclohexane	3.861	84	206027	10.388	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	237742	9.582	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	380576	9.516	ppbv	99
34) 2-Butanone	2.560	43	339746	10.194	ppbv	100
35) Carbon Tetrachloride	3.768	117	410481	10.157	ppbv	99
36) Benzene	3.664	78	497724	10.606	ppbv	99
37) 1,2-Dichloroethane	3.224	62	293620	10.564	ppbv	99
38) Trichloroethene	4.554	130	207337	10.606	ppbv	98
39) 1,2-Dichloropropane	4.321	63	183162	10.529	ppbv	93
40) 1,4-Dioxane	4.586	88	79156	10.609	ppbv #	93
41) Tetrahydrofuran	3.055	42	192469	11.173	ppbv	99
42) Bromodichloromethane	4.496	83	414498	10.561	ppbv	99
43) Methyl Methacrylate	4.887	69	173411	11.131	ppbv	98
44) 2,2,4-Trimethylpentane	4.648	57	858487	11.400	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	146489	10.275	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	214603	10.684	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	198270	10.247	ppbv	97
48) Dibromochloromethane	7.396	129	331247	10.490	ppbv	99
49) Bromoform	9.490	173	278004	10.541	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	476185	11.716	ppbv	98
51) 2-Hexanone	7.441	43	357942	12.373	ppbv #	97
52) Tetrachloroethene	8.234	164	171023	9.842	ppbv	99
53) Toluene	6.943	91	537460	11.344	ppbv	99
54) 1,2-Dibromoethane	7.661	107	241443	10.528	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	263217	10.662	ppbv	99
57) Chlorobenzene	8.930	112	448132	10.467	ppbv	99
58) Ethyl Benzene	9.360	91	746366	11.896	ppbv	99
59) m/p-Xylene	9.558	91	1260847m	23.826	ppbv	
60) o-Xylene	9.969	91	631124	11.972	ppbv	99
61) Styrene	9.878	104	265817	12.037	ppbv	100
62) Isopropylbenzene	10.545	105	937727	11.588	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	385656	10.198	ppbv	100
64) n-propylbenzene	10.995	120	243735	11.774	ppbv	98
65) tert-Butylbenzene	11.535	119	832617	11.561	ppbv	100
66) Benzyl Chloride	11.620	91	28811	10.467	ppbv	100
67) sec-Butylbenzene	11.772	105	1140714	11.350	ppbv	100
69) p-Isopropyltoluene	11.930	119	944301	11.550	ppbv	100
70) n-Butylbenzene	12.286	91	913129	11.600	ppbv	100
71) 2-Chlorotoluene	10.908	91	669943	11.439	ppbv	99
72) 4-Ethyltoluene	11.131	105	747654	11.916	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	622884	11.476	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	701955	11.459	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	408359	10.249	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	404912	10.658	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	393683	9.920	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	292935	10.593	ppbv	99
79) Naphthalene	13.516	128	541487	10.391	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	203182	8.485	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	308127	13.050	ppbv	99

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

Manual Integrations APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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