

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042706.D
 Acq On : 08 Jul 2025 08:55
 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 07/09/2025
 Supervised By :Mahesh Dadoda 07/09/2025

Quant Time: Jul 09 01:25:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	117403	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	292675	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	252122	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 202018 10.417 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	117778	9.582	ppbv	100
3) Chlorodifluoromethane	1.476	51	178535	9.715	ppbv	98
4) Chloromethane	1.534	50	46130	9.569	ppbv	99
5) Vinyl Chloride	1.583	62	40567	8.372	ppbv	98
6) Bromomethane	1.670	94	20389	9.419	ppbv	99
7) Chloroethane	1.706	64	18132	9.746	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	95415	9.370	ppbv	100
9) Propene	1.486	41	63643	9.255	ppbv	98
10) Heptane	4.988	43	207508	11.112	ppbv	99
11) Trichlorofluoromethane	1.881	101	126354	9.750	ppbv	94
12) 1,1,2-Trichlorotrifluoro...	2.143	101	99729	9.722	ppbv	100
13) Ethanol	1.722	45	5176	7.800	ppbv	95
14) Bromoethene	1.783	108	33994	9.509	ppbv	99
15) Acetone	1.839	43	100030	8.591	ppbv	100
16) 1,3-Butadiene	1.612	39	48527	9.044	ppbv	100
17) tert-Butyl alcohol	2.042	59	112027	9.862	ppbv	99
18) 1,1-Dichloroethene	2.036	96	42152	9.249	ppbv	93
19) Isopropyl Alcohol	1.887	45	61630	9.208	ppbv #	1
20) Methylene Chloride	2.065	84	36832	8.272	ppbv	98
21) Allyl Chloride	2.101	41	80768	9.944	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	48252	9.720	ppbv	96
23) Vinyl Acetate	2.466	43	198196	10.518	ppbv	98
24) 1,1-Dichloroethane	2.411	63	96006	9.357	ppbv	99
25) Ethyl Acetate	2.839	43	364260	10.342	ppbv	100
26) Hexane	2.829	57	155263	10.566	ppbv	99
27) Carbon Disulfide	2.152	76	120990	10.096	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	53007	8.816	ppbv	98
29) Chloroform	2.855	83	215386	9.703	ppbv	99
30) Cyclohexane	3.861	84	119623	10.796	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	136348	9.749	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	194399	9.128	ppbv	99
34) 2-Butanone	2.560	43	232880	10.053	ppbv	100
35) Carbon Tetrachloride	3.771	117	194668	9.613	ppbv	98
36) Benzene	3.664	78	297705	10.092	ppbv	98
37) 1,2-Dichloroethane	3.224	62	150291	9.593	ppbv	100
38) Trichloroethene	4.557	130	115053	9.028	ppbv	93
39) 1,2-Dichloropropane	4.321	63	114754	9.975	ppbv	99
40) 1,4-Dioxane	4.590	88	46617	10.457	ppbv #	95
41) Tetrahydrofuran	3.059	42	126483	10.715	ppbv	98
42) Bromodichloromethane	4.499	83	224021	10.096	ppbv	97
43) Methyl Methacrylate	4.887	69	107128	11.293	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	539635	10.890	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	104712	10.516	ppbv	94

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	142602	10.379	ppbv	96
47) 1,1,2-Trichloroethane	6.593	97	114699	10.123	ppbv	97
48) Dibromochloromethane	7.396	129	177016	10.203	ppbv	98
49) Bromoform	9.490	173	154200	10.290	ppbv	99
50) 4-Methyl-2-Pentanone	5.758	43	304211	11.215	ppbv	99
51) 2-Hexanone	7.444	43	236690	11.993	ppbv #	99
52) Tetrachloroethene	8.234	164	95096	9.645	ppbv	95
53) Toluene	6.943	91	310018	11.256	ppbv	99
54) 1,2-Dibromoethane	7.661	107	162972	10.318	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	140004	10.270	ppbv	98
57) Chlorobenzene	8.930	112	256415	10.137	ppbv	97
58) Ethyl Benzene	9.364	91	434385	11.914	ppbv	99
59) m/p-Xylene	9.558	91	725521m	23.757	ppbv	
60) o-Xylene	9.972	91	358517	11.934	ppbv	99
61) Styrene	9.878	104	142114	12.042	ppbv	99
62) Isopropylbenzene	10.545	105	515613	11.371	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	244497	10.568	ppbv	100
64) n-propylbenzene	10.995	120	138163	11.901	ppbv	100
65) tert-Butylbenzene	11.539	119	449911	11.592	ppbv	98
66) Benzyl Chloride	11.620	91	45524	12.106	ppbv	99
67) sec-Butylbenzene	11.772	105	658647	11.077	ppbv	100
69) p-Isopropyltoluene	11.930	119	533852	11.281	ppbv	100
70) n-Butylbenzene	12.286	91	551840	11.575	ppbv	99
71) 2-Chlorotoluene	10.908	91	388185	11.572	ppbv	99
72) 4-Ethyltoluene	11.131	105	436294	11.902	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	359909	11.645	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	395812	11.226	ppbv	99
75) 1,3-Dichlorobenzene	11.613	146	253276	10.239	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	250036	10.651	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	247106	9.889	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	171064	8.789	ppbv	99
79) Naphthalene	13.516	128	363417	12.350	ppbv	98
80) Naphthalene,2-methyl-	14.461	142	134241	10.983	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	186151	10.855	ppbv	99

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

