

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043025.D
 Acq On : 30 Sep 2025 13:25
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL093025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Oct 01 00:25:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

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

QLast Update : Wed Oct 01 00:19:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	141281	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	433533	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	392140	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	301195	10.139	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	242747	9.929	ppbv	98
3) Chlorodifluoromethane	1.479	51	262940	10.100	ppbv	99
4) Chloromethane	1.538	50	91653	9.876	ppbv	99
5) Vinyl Chloride	1.583	62	81839	9.092	ppbv	97
6) Bromomethane	1.670	94	33195	10.204	ppbv	99
7) Chloroethane	1.706	64	33713	9.382	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	197932	9.931	ppbv	99
9) Propene	1.486	41	100135	9.889	ppbv	100
10) Heptane	4.985	43	275368	10.544	ppbv	100
11) Trichlorofluoromethane	1.881	101	245978	9.983	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	195467	10.010	ppbv	99
13) Ethanol	1.725	45	8579	10.590	ppbv	99
14) Bromoethene	1.787	108	71908	9.881	ppbv	100
15) Acetone	1.839	43	189623	9.413	ppbv	97
16) 1,3-Butadiene	1.612	39	78237	9.174	ppbv	97
17) tert-Butyl alcohol	2.042	59	221045	9.820	ppbv	99
18) 1,1-Dichloroethene	2.039	96	86168	9.812	ppbv	98
19) Isopropyl Alcohol	1.887	45	110377	9.317	ppbv #	85
20) Methylene Chloride	2.065	84	94182	11.961	ppbv	94
21) Allyl Chloride	2.101	41	134953	9.902	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	97695	9.827	ppbv	98
23) Vinyl Acetate	2.466	43	294135	10.569	ppbv	99
24) 1,1-Dichloroethane	2.411	63	185847	9.932	ppbv	99
25) Ethyl Acetate	2.839	43	494082	9.615	ppbv	100
26) Hexane	2.832	57	235263	8.802	ppbv	98
27) Carbon Disulfide	2.153	76	230309	9.798	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	120484	9.209	ppbv	98
29) Chloroform	2.852	83	334360	10.054	ppbv	99
30) Cyclohexane	3.861	84	190310	10.338	ppbv	99
31) cis-1,2-Dichloroethene	2.725	61	221658	10.215	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	337675	10.023	ppbv	99
34) 2-Butanone	2.560	43	317046	10.386	ppbv	100
35) Carbon Tetrachloride	3.768	117	346648	9.853	ppbv	96
36) Benzene	3.661	78	451462	10.390	ppbv	99
37) 1,2-Dichloroethane	3.224	62	253279	10.201	ppbv	100
38) Trichloroethene	4.554	130	219316	10.079	ppbv	97
39) 1,2-Dichloropropane	4.318	63	161086	10.096	ppbv	94
40) 1,4-Dioxane	4.583	88	71434	10.556	ppbv #	96
41) Tetrahydrofuran	3.056	42	174060	10.707	ppbv	99
42) Bromodichloromethane	4.496	83	361636	10.485	ppbv	97
43) Methyl Methacrylate	4.884	69	170390	11.161	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	749612	10.486	ppbv	100
45) t-1,3-Dichloropropene	6.422	75	185804	10.704	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	243481	10.753	ppbv	99
47) 1,1,2-Trichloroethane	6.590	97	179447	10.603	ppbv	96
48) Dibromochloromethane	7.396	129	305653	10.480	ppbv	100
49) Bromoform	9.490	173	264418	10.681	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	423187	10.864	ppbv	99
51) 2-Hexanone	7.441	43	335943	11.703	ppbv #	100
52) Tetrachloroethene	8.234	164	166605	9.618	ppbv	95
53) Toluene	6.939	91	521124	10.754	ppbv	99
54) 1,2-Dibromoethane	7.661	107	248872	10.537	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.930	131	227977	10.260	ppbv	99
57) Chlorobenzene	8.927	112	406310	10.051	ppbv	100
58) Ethyl Benzene	9.361	91	713336	10.732	ppbv	99
59) m/p-Xylene	9.558	91	1140572m	21.327	ppbv	
60) o-Xylene	9.969	91	568505	10.695	ppbv	99
61) Styrene	9.875	104	255062	11.337	ppbv	100
62) Isopropylbenzene	10.545	105	839776	10.611	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	289419	10.145	ppbv	100
64) n-propylbenzene	10.992	120	221371	10.733	ppbv	100
65) tert-Butylbenzene	11.536	119	758042	10.577	ppbv	99
66) Benzyl Chloride	11.620	91	59902	10.477	ppbv	98
67) sec-Butylbenzene	11.772	105	1040426	10.410	ppbv	100
69) p-Isopropyltoluene	11.930	119	890156	10.695	ppbv	100
70) n-Butylbenzene	12.286	91	878430	10.924	ppbv	100
71) 2-Chlorotoluene	10.904	91	627009	10.622	ppbv	99
72) 4-Ethyltoluene	11.128	105	706144	10.799	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	586992	10.646	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	650046	10.445	ppbv	99
75) 1,3-Dichlorobenzene	11.613	146	405004	10.187	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	403123	10.375	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	389742	10.039	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	283380	9.127	ppbv	100
79) Naphthalene	13.516	128	596815	12.089	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	153586	12.068	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	324543	10.900	ppbv	100

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

