

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042525.D
 Acq On : 12 May 2025 08:57
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:45:09 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	115823	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	341715	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	299786	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 261594 10.029 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	169160	8.994	ppbv	100
3) Chlorodifluoromethane	1.470	51	178822	9.329	ppbv	100
4) Chloromethane	1.528	50	67750	8.826	ppbv	100
5) Vinyl Chloride	1.573	62	64115	8.163	ppbv	100
6) Bromomethane	1.661	94	33766	9.053	ppbv	100
7) Chloroethane	1.700	64	25777	8.338	ppbv	100
8) Dichlorotetrafluoroethane	1.548	85	142870	8.828	ppbv	100
9) Propene	1.476	41	10300	2.474	ppbv #	1
10) Heptane	4.959	43	171443	10.802	ppbv	100
11) Trichlorofluoromethane	1.871	101	161561	8.930	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	127743	8.791	ppbv	100
13) Ethanol	1.716	45	7854	6.912	ppbv	100
14) Bromoethene	1.774	108	47318	8.932	ppbv	100
15) Acetone	1.829	43	140078	7.569	ppbv	100
16) 1,3-Butadiene	1.603	39	74449	8.946	ppbv	100
17) tert-Butyl alcohol	2.033	59	159013	9.298	ppbv	100
18) 1,1-Dichloroethene	2.027	96	57005	8.952	ppbv	100
19) Isopropyl Alcohol	1.881	45	90090	8.961	ppbv #	1
20) Methylene Chloride	2.052	84	49582	7.693	ppbv	100
21) Allyl Chloride	2.088	41	114157	9.316	ppbv	100
22) trans-1,2-Dichloroethene	2.331	96	65183	8.750	ppbv	100
23) Vinyl Acetate	2.454	43	186900	9.646	ppbv	100
24) 1,1-Dichloroethane	2.399	63	131534	9.126	ppbv	100
25) Ethyl Acetate	2.826	43	330659	10.175	ppbv	100
26) Hexane	2.816	57	140065	10.498	ppbv	100
27) Carbon Disulfide	2.143	76	163053	9.467	ppbv	99
28) Methyl tert-Butyl Ether	2.431	73	69971	9.440	ppbv	100
29) Chloroform	2.839	83	246790	8.919	ppbv	100
30) Cyclohexane	3.842	84	118162	10.787	ppbv	100
31) cis-1,2-Dichloroethene	2.709	61	147467	9.788	ppbv	100
32) 1,1,1-Trichloroethane	3.357	97	260477	9.331	ppbv	100
34) 2-Butanone	2.548	43	204394	9.075	ppbv	100
35) Carbon Tetrachloride	3.748	117	275147	8.956	ppbv	100
36) Benzene	3.642	78	288357	9.522	ppbv	100
37) 1,2-Dichloroethane	3.208	62	194477	9.003	ppbv	100
38) Trichloroethene	4.528	130	123174	9.520	ppbv	100
39) 1,2-Dichloropropane	4.299	63	105313	9.342	ppbv	100
40) 1,4-Dioxane	4.564	88	46049	10.246	ppbv #	96
41) Tetrahydrofuran	3.046	42	105158	10.824	ppbv	100
42) Bromodichloromethane	4.473	83	267225	9.286	ppbv	100
43) Methyl Methacrylate	4.862	69	110028	10.879	ppbv	100
44) 2,2,4-Trimethylpentane	4.622	57	486999	10.240	ppbv	100
45) t-1,3-Dichloropropene	6.393	75	137698	10.664	ppbv	100

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QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.580	75	166227	10.673	ppbv	100
47) 1,1,2-Trichloroethane	6.561	97	119791	9.025	ppbv	100
48) Dibromochloromethane	7.373	129	211079	9.517	ppbv	100
49) Bromoform	9.474	173	178401	9.802	ppbv	100
50) 4-Methyl-2-Pentanone	5.736	43	282238m	10.684	ppbv	
51) 2-Hexanone	7.419	43	226227	11.522	ppbv	100
52) Tetrachloroethene	8.212	164	107438	9.209	ppbv	100
53) Toluene	6.914	91	325568	10.955	ppbv	100
54) 1,2-Dibromoethane	7.636	107	182336	9.400	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.914	131	165589	8.909	ppbv	99
57) Chlorobenzene	8.911	112	273225	9.077	ppbv	100
58) Ethyl Benzene	9.345	91	468520	11.466	ppbv	100
59) m/p-Xylene	9.539	91	804567m	22.134	ppbv	
60) o-Xylene	9.953	91	399046	11.266	ppbv	100
61) Styrene	9.859	104	152478	11.686	ppbv	100
62) Isopropylbenzene	10.529	105	579443	10.856	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	246197	8.666	ppbv	100
64) n-propylbenzene	10.979	120	151897	11.231	ppbv	100
65) tert-Butylbenzene	11.523	119	533457	10.884	ppbv	100
66) Benzyl Chloride	11.607	91	66999	10.331	ppbv	100
67) sec-Butylbenzene	11.759	105	743905	10.586	ppbv	100
69) p-Isopropyltoluene	11.918	119	644903	11.163	ppbv	100
70) n-Butylbenzene	12.274	91	640472	11.219	ppbv	100
71) 2-Chlorotoluene	10.892	91	446467	11.047	ppbv	100
72) 4-Ethyltoluene	11.118	105	496120	11.285	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	424133	11.076	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	485862	10.313	ppbv	100
75) 1,3-Dichlorobenzene	11.601	146	285664	9.681	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	278935	9.936	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	273570	8.976	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	219741	8.408	ppbv	100
79) Naphthalene	13.507	128	411831	12.661	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	232576	12.289	ppbv	100
81) 1,2,4-Trichlorobenzene	13.432	180	217565	10.955	ppbv	100

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

