

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042725.D
 Acq On : 22 Jul 2025 10:04
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:31:02 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	103555	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	310806	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	278751	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 222231 9.864 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	16902	1.046	ppbv	94
3) Chlorodifluoromethane	1.476	51	19069	1.042	ppbv	100
4) Chloromethane	1.534	50	6628	1.001	ppbv	90
5) Vinyl Chloride	1.580	62	5802	0.887	ppbv	95
6) Bromomethane	1.670	94	2716	1.026	ppbv	91
7) Chloroethane	1.706	64	2679	1.077	ppbv #	65
8) Dichlorotetrafluoroethane	1.554	85	14368	1.054	ppbv	93
9) Propene	1.486	41	6386m	0.982	ppbv	
10) Heptane	4.981	43	18122	1.000	ppbv	96
11) Trichlorofluoromethane	1.877	101	17489	1.051	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	13205	1.014	ppbv	93
13) Ethanol	1.722	45	1397	1.335	ppbv	95
14) Bromoethene	1.784	108	4818	1.038	ppbv #	96
15) Acetone	1.835	43	20087	1.158	ppbv	98
16) 1,3-Butadiene	1.609	39	8053	1.084	ppbv	91
17) tert-Butyl alcohol	2.042	59	16566	1.006	ppbv	97
18) 1,1-Dichloroethene	2.036	96	5692	1.028	ppbv	88
19) Isopropyl Alcohol	1.887	45	9777	1.064	ppbv #	47
20) Methylene Chloride	2.062	84	5808	1.066	ppbv	91
21) Allyl Chloride	2.098	41	10949	0.985	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	6511m	1.022	ppbv	
23) Vinyl Acetate	2.463	43	20075	1.016	ppbv #	94
24) 1,1-Dichloroethane	2.411	63	12694	0.999	ppbv #	92
25) Ethyl Acetate	2.835	43	32671	1.021	ppbv	96
26) Hexane	2.829	57	14402	1.026	ppbv	97
27) Carbon Disulfide	2.149	76	14863	0.991	ppbv #	32
28) Methyl tert-Butyl Ether	2.441	73	8723	1.069	ppbv	91
29) Chloroform	2.848	83	24340	1.050	ppbv	95
30) Cyclohexane	3.855	84	12078	0.986	ppbv	88
31) cis-1,2-Dichloroethene	2.719	61	15120m	1.000	ppbv	
32) 1,1,1-Trichloroethane	3.366	97	24377	0.999	ppbv	97
34) 2-Butanone	2.557	43	21976	1.027	ppbv	93
35) Carbon Tetrachloride	3.764	117	24918	0.978	ppbv	96
36) Benzene	3.654	78	30476	1.055	ppbv #	92
37) 1,2-Dichloroethane	3.217	62	19799	1.075	ppbv	99
38) Trichloroethene	4.544	130	14891m	1.059	ppbv	
39) 1,2-Dichloropropane	4.318	63	11159	1.038	ppbv	95
40) 1,4-Dioxane	4.593	88	6100m	1.231	ppbv	
41) Tetrahydrofuran	3.062	42	10967	1.003	ppbv	94
42) Bromodichloromethane	4.493	83	25547m	1.060	ppbv	
43) Methyl Methacrylate	4.887	69	12080m	1.091	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	51712m	1.086	ppbv	
45) t-1,3-Dichloropropene	6.415	75	14507	1.065	ppbv	100

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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	16434m	1.016	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	12987m	1.103	ppbv	
48) Dibromochloromethane	7.386	129	20308	1.037	ppbv	99
49) Bromoform	9.483	173	17210	1.013	ppbv	98
50) 4-Methyl-2-Pentanone	5.765	43	28353m	1.007	ppbv	
51) 2-Hexanone	7.441	43	22958	1.019	ppbv #	99
52) Tetrachloroethene	8.224	164	12230	1.051	ppbv	92
53) Toluene	6.936	91	33449m	1.027	ppbv	
54) 1,2-Dibromoethane	7.655	107	18051	1.025	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	15275	1.017	ppbv	94
57) Chlorobenzene	8.920	112	28147	1.059	ppbv #	92
58) Ethyl Benzene	9.357	91	47989	1.031	ppbv	99
59) m/p-Xylene	9.551	91	76491m	2.050	ppbv	
60) o-Xylene	9.966	91	39281	1.044	ppbv	96
61) Styrene	9.878	104	16795m	1.037	ppbv	
62) Isopropylbenzene	10.542	105	58251	1.042	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	21288	0.990	ppbv	99
64) n-propylbenzene	10.989	120	14662	1.040	ppbv	100
65) tert-Butylbenzene	11.532	119	52792	1.055	ppbv	99
66) Benzyl Chloride	11.620	91	4588	0.965	ppbv #	91
67) sec-Butylbenzene	11.769	105	71871	1.046	ppbv	97
69) p-Isopropyltoluene	11.930	119	60634	1.053	ppbv	99
70) n-Butylbenzene	12.283	91	56605	1.029	ppbv	99
71) 2-Chlorotoluene	10.901	91	43753	1.032	ppbv	100
72) 4-Ethyltoluene	11.128	105	45501	1.014	ppbv	96
73) 1,3,5-Trimethylbenzene	11.205	105	37503	1.011	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	41241	1.013	ppbv	89
75) 1,3-Dichlorobenzene	11.610	146	28504	1.047	ppbv	98
76) 1,4-Dichlorobenzene	11.671	146	27656	1.050	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	28594	1.096	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	29228	1.151	ppbv	98
79) Naphthalene	13.513	128	24671	0.813	ppbv #	96
80) Naphthalene,2-methyl-	14.468	142	2244m	0.225	ppbv	
81) 1,2,4-Trichlorobenzene	13.439	180	16773	0.903	ppbv	98

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

