

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042605.D
 Acq On : 03 Jun 2025 11:37
 Operator : SY/MD
 Sample : VL0603ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0603ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Quant Time: Jun 04 01:37:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	100195	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	273130	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	248555	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 196000 10.519 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	116805	9.486	ppbv	100
3) Chlorodifluoromethane	1.476	51	154832	9.129	ppbv	98
4) Chloromethane	1.531	50	45976	9.428	ppbv	96
5) Vinyl Chloride	1.580	62	42781	8.612	ppbv	99
6) Bromomethane	1.667	94	21096	8.725	ppbv	97
7) Chloroethane	1.703	64	17444	9.038	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	96987	9.452	ppbv	99
9) Propene	1.483	41	60785	8.900	ppbv	96
10) Heptane	4.978	43	171372	8.901	ppbv	97
11) Trichlorofluoromethane	1.877	101	113591	9.914	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	86692	9.636	ppbv	98
13) Ethanol	1.722	45	4768	5.858	ppbv	90
14) Bromoethene	1.780	108	32127	9.493	ppbv	98
15) Acetone	1.835	43	95882	7.945	ppbv	96
16) 1,3-Butadiene	1.609	39	49157	8.598	ppbv	98
17) tert-Butyl alcohol	2.039	59	115511	9.187	ppbv	100
18) 1,1-Dichloroethene	2.033	96	38203	9.161	ppbv	88
19) Isopropyl Alcohol	1.884	45	65850	9.127	ppbv	97
20) Methylene Chloride	2.062	84	32684	8.206	ppbv	98
21) Allyl Chloride	2.094	41	75668	8.886	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	42509	9.126	ppbv	97
23) Vinyl Acetate	2.463	43	143695	8.808	ppbv	99
24) 1,1-Dichloroethane	2.408	63	86917	9.069	ppbv	100
25) Ethyl Acetate	2.836	43	311377	9.428	ppbv	99
26) Hexane	2.826	57	135168	9.007	ppbv	98
27) Carbon Disulfide	2.149	76	105834	9.186	ppbv	93
28) Methyl tert-Butyl Ether	2.437	73	51782	8.503	ppbv	98
29) Chloroform	2.848	83	189363	9.703	ppbv	99
30) Cyclohexane	3.855	84	112253	9.022	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	130702	9.521	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	189715	9.514	ppbv	98
34) 2-Butanone	2.557	43	205036	10.526	ppbv	99
35) Carbon Tetrachloride	3.761	117	188194	10.438	ppbv	96
36) Benzene	3.654	78	271225	10.084	ppbv	99
37) 1,2-Dichloroethane	3.217	62	148310	11.095	ppbv	99
38) Trichloroethene	4.548	130	110830	9.694	ppbv	95
39) 1,2-Dichloropropane	4.315	63	97258	9.778	ppbv	96
40) 1,4-Dioxane	4.583	88	43068	9.677	ppbv #	95
41) Tetrahydrofuran	3.052	42	112130	9.835	ppbv	99
42) Bromodichloromethane	4.489	83	207854	10.948	ppbv	96
43) Methyl Methacrylate	4.878	69	105026	10.061	ppbv	98
44) 2,2,4-Trimethylpentane	4.638	57	456755	9.928	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	120977	10.127	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	152793	10.208	ppbv	93
47) 1,1,2-Trichloroethane	6.580	97	103931	10.094	ppbv	97
48) Dibromochloromethane	7.386	129	168395	10.217	ppbv	99
49) Bromoform	9.484	173	148548	10.445	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	273665	10.129	ppbv	99
51) 2-Hexanone	7.435	43	222080	10.364	ppbv #	97
52) Tetrachloroethene	8.225	164	93572	9.310	ppbv	97
53) Toluene	6.933	91	306074	9.846	ppbv	100
54) 1,2-Dibromoethane	7.655	107	154672	10.149	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.924	131	128470	10.279	ppbv	99
57) Chlorobenzene	8.924	112	236463	9.798	ppbv	99
58) Ethyl Benzene	9.357	91	424631	10.072	ppbv	95
59) m/p-Xylene	9.532	91	674095m	20.317	ppbv	
60) o-Xylene	9.966	91	333639	10.082	ppbv	98
61) Styrene	9.872	104	152652	9.757	ppbv	98
62) Isopropylbenzene	10.542	105	494485	10.115	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	209295	9.947	ppbv	99
64) n-propylbenzene	10.989	120	129678	9.896	ppbv	94
65) tert-Butylbenzene	11.532	119	425244	9.585	ppbv	96
66) Benzyl Chloride	11.617	91	54337	9.515	ppbv	99
67) sec-Butylbenzene	11.769	105	614188	9.847	ppbv	98
69) p-Isopropyltoluene	11.927	119	514415	9.849	ppbv	99
70) n-Butylbenzene	12.283	91	525707	10.196	ppbv	99
71) 2-Chlorotoluene	10.901	91	371727	9.969	ppbv	98
72) 4-Ethyltoluene	11.125	105	417062	10.109	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	343506	10.060	ppbv	99
74) 1,2,4-Trimethylbenzene	11.539	105	377755	9.969	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	234893	9.871	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	236748	9.976	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	225623	9.769	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	168601	8.823	ppbv	99
79) Naphthalene	13.513	128	367068	10.277	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	182507	11.310	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	194387	9.749	ppbv	99

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

