

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070325\
 Data File : VL042701.D
 Acq On : 03 Jul 2025 10:05
 Operator : SY/MD
 Sample : VL0703ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0703ABS01

Manual Integrations
 APPROVED

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

Quant Time: Jul 04 03:54:21 2025

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

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)

Internal Standards						
1) Bromochloromethane	2.797	49	121904	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	294901	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	266088	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 208227 10.174 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	118439	9.280	ppbv	98
3) Chlorodifluoromethane	1.479	51	174243	9.131	ppbv	99
4) Chloromethane	1.538	50	45584	9.107	ppbv	100
5) Vinyl Chloride	1.583	62	40498	8.049	ppbv	98
6) Bromomethane	1.673	94	19965	8.883	ppbv	98
7) Chloroethane	1.709	64	16598	8.592	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	94456	8.933	ppbv	100
9) Propene	1.486	41	64144	8.983	ppbv	100
10) Heptane	4.997	43	207786	10.716	ppbv	99
11) Trichlorofluoromethane	1.884	101	123932	9.210	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.146	101	97162	9.122	ppbv	99
13) Ethanol	1.725	45	5316	7.715	ppbv	99
14) Bromoethene	1.787	108	34350	9.253	ppbv	97
15) Acetone	1.839	43	96711	7.999	ppbv	99
16) 1,3-Butadiene	1.612	39	47290	8.488	ppbv	99
17) tert-Butyl alcohol	2.046	59	112857	9.569	ppbv	98
18) 1,1-Dichloroethene	2.039	96	41585	8.788	ppbv	95
19) Isopropyl Alcohol	1.890	45	64365	9.262	ppbv	100
20) Methylene Chloride	2.068	84	35728	7.728	ppbv	98
21) Allyl Chloride	2.101	41	78262	9.280	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	46313	8.985	ppbv	97
23) Vinyl Acetate	2.470	43	204104	10.432	ppbv	99
24) 1,1-Dichloroethane	2.415	63	93450	8.772	ppbv	98
25) Ethyl Acetate	2.842	43	360682	9.862	ppbv	99
26) Hexane	2.835	57	158622	10.396	ppbv	95
27) Carbon Disulfide	2.156	76	116687	9.378	ppbv	98
28) Methyl tert-Butyl Ether	2.450	73	77286	12.379	ppbv	100
29) Chloroform	2.858	83	210730	9.143	ppbv	98
30) Cyclohexane	3.871	84	120924	10.511	ppbv	97
31) cis-1,2-Dichloroethene	2.729	61	141397	9.736	ppbv	91
32) 1,1,1-Trichloroethane	3.376	97	194157	8.780	ppbv	99
34) 2-Butanone	2.564	43	234275	10.037	ppbv	99
35) Carbon Tetrachloride	3.774	117	190733	9.347	ppbv	96
36) Benzene	3.670	78	296341	9.970	ppbv	96
37) 1,2-Dichloroethane	3.230	62	152187	9.641	ppbv	100
38) Trichloroethene	4.564	130	115195	8.971	ppbv	95
39) 1,2-Dichloropropane	4.327	63	115554	9.968	ppbv	95
40) 1,4-Dioxane	4.596	88	46836	10.427	ppbv #	95
41) Tetrahydrofuran	3.062	42	130900	11.005	ppbv	98
42) Bromodichloromethane	4.505	83	223978	10.017	ppbv	98
43) Methyl Methacrylate	4.897	69	108635	11.366	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	534397	10.703	ppbv	99
45) t-1,3-Dichloropropene	6.431	75	108628	10.827	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	144794	10.459	ppbv	97
47) 1,1,2-Trichloroethane	6.600	97	116323	10.189	ppbv	96
48) Dibromochloromethane	7.402	129	175715	10.051	ppbv	98
49) Bromoform	9.496	173	150590	9.974	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	307810	11.262	ppbv	100
51) 2-Hexanone	7.451	43	240804	12.109	ppbv	99
52) Tetrachloroethene	8.237	164	94949	9.557	ppbv	94
53) Toluene	6.952	91	314837	11.345	ppbv	99
54) 1,2-Dibromoethane	7.671	107	159118	9.998	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	134792	9.368	ppbv	98
57) Chlorobenzene	8.936	112	249953	9.363	ppbv	99
58) Ethyl Benzene	9.367	91	435917	11.328	ppbv	98
59) m/p-Xylene	9.564	91	718262m	22.284	ppbv	
60) o-Xylene	9.979	91	351150	11.075	ppbv	99
61) Styrene	9.885	104	147279	11.824	ppbv	100
62) Isopropylbenzene	10.552	105	508294	10.621	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	233464	9.561	ppbv	99
64) n-propylbenzene	10.998	120	135020	11.020	ppbv	99
65) tert-Butylbenzene	11.542	119	438665	10.709	ppbv	99
66) Benzyl Chloride	11.626	91	42770	10.777	ppbv	99
67) sec-Butylbenzene	11.778	105	637683	10.162	ppbv	99
69) p-Isopropyltoluene	11.937	119	525771	10.527	ppbv	100
70) n-Butylbenzene	12.290	91	543203	10.796	ppbv	100
71) 2-Chlorotoluene	10.914	91	385505	10.889	ppbv	99
72) 4-Ethyltoluene	11.134	105	431452	11.152	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	353407	10.835	ppbv	98
74) 1,2,4-Trimethylbenzene	11.548	105	391311	10.516	ppbv	93
75) 1,3-Dichlorobenzene	11.616	146	248327	9.512	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	241776	9.758	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	237403	9.002	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	167030	8.132	ppbv	99
79) Naphthalene	13.520	128	360852	11.619	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	142084	11.015	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	184434	10.191	ppbv	100

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

