

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042689.D
 Acq On : 02 Jul 2025 08:23
 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 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:24:58 2025

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

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	121549	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	305681	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	274998	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 216760 10.248 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	113054	8.884	ppbv	100
3) Chlorodifluoromethane	1.479	51	169455	8.906	ppbv	100
4) Chloromethane	1.538	50	45033	9.023	ppbv	100
5) Vinyl Chloride	1.586	62	39799	7.934	ppbv	100
6) Bromomethane	1.674	94	18514	8.261	ppbv	100
7) Chloroethane	1.709	64	16324	8.475	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	90329	8.568	ppbv	100
9) Propene	1.489	41	64135	9.008	ppbv	100
10) Heptane	5.001	43	202087	10.459	ppbv	100
11) Trichlorofluoromethane	1.884	101	119888	8.936	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	94571	8.905	ppbv	100
13) Ethanol	1.725	45	4676	6.914	ppbv	100
14) Bromoethene	1.787	108	32746	8.847	ppbv	100
15) Acetone	1.842	43	93100	7.723	ppbv	100
16) 1,3-Butadiene	1.615	39	47034	8.467	ppbv	100
17) tert-Butyl alcohol	2.046	59	108342	9.213	ppbv	100
18) 1,1-Dichloroethene	2.043	96	40741	8.635	ppbv	100
19) Isopropyl Alcohol	1.894	45	60503	8.732	ppbv	100
20) Methylene Chloride	2.068	84	34637	7.514	ppbv	100
21) Allyl Chloride	2.104	41	77114	9.171	ppbv	100
22) trans-1,2-Dichloroethene	2.350	96	45122	8.780	ppbv	100
23) Vinyl Acetate	2.470	43	216251	11.085	ppbv	100
24) 1,1-Dichloroethane	2.418	63	93547	8.806	ppbv	100
25) Ethyl Acetate	2.845	43	353206	9.686	ppbv	100
26) Hexane	2.836	57	148490	9.760	ppbv	100
27) Carbon Disulfide	2.159	76	114223	9.206	ppbv	100
28) Methyl tert-Butyl Ether	2.450	73	62430	10.029	ppbv	100
29) Chloroform	2.858	83	203528	8.856	ppbv	100
30) Cyclohexane	3.871	84	116132	10.102	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	138516	9.566	ppbv	100
32) 1,1,1-Trichloroethane	3.383	97	188105	8.565	ppbv	100
34) 2-Butanone	2.567	43	227587	9.407	ppbv	100
35) Carbon Tetrachloride	3.777	117	189434	8.935	ppbv	100
36) Benzene	3.671	78	294950	9.573	ppbv	100
37) 1,2-Dichloroethane	3.230	62	150635	9.206	ppbv	100
38) Trichloroethene	4.567	130	115839	8.702	ppbv	100
39) 1,2-Dichloropropane	4.331	63	109807	9.134	ppbv	100
40) 1,4-Dioxane	4.603	88	47243m	10.227	ppbv	
41) Tetrahydrofuran	3.065	42	127174	10.315	ppbv	100
42) Bromodichloromethane	4.509	83	219936	9.490	ppbv	100
43) Methyl Methacrylate	4.901	69	108301	10.946	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	520537	10.125	ppbv	100
45) t-1,3-Dichloropropene	6.441	75	113519	10.918	ppbv	100

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	151004	10.525	ppbv	100
47) 1,1,2-Trichloroethane	6.606	97	112381	9.497	ppbv	100
48) Dibromochloromethane	7.406	129	175681	9.695	ppbv	100
49) Bromoform	9.500	173	154598	9.878	ppbv	100
50) 4-Methyl-2-Pentanone	5.774	43	304838	10.779	ppbv	100
51) 2-Hexanone	7.454	43	242187	11.723	ppbv	100
52) Tetrachloroethene	8.244	164	95960	9.286	ppbv	100
53) Toluene	6.956	91	316330	10.996	ppbv	100
54) 1,2-Dibromoethane	7.671	107	160587	9.724	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.943	131	131624	8.852	ppbv	100
57) Chlorobenzene	8.937	112	246807	8.946	ppbv	100
58) Ethyl Benzene	9.370	91	437123	10.992	ppbv	100
59) m/p-Xylene	9.548	91	715399m	21.466	ppbv	
60) o-Xylene	9.979	91	348790	10.644	ppbv	100
61) Styrene	9.885	104	150633	11.702	ppbv	100
62) Isopropylbenzene	10.552	105	507546	10.262	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	225039	8.918	ppbv	100
64) n-propylbenzene	11.002	120	133873	10.572	ppbv	100
65) tert-Butylbenzene	11.542	119	437623	10.337	ppbv	100
66) Benzyl Chloride	11.626	91	44118	10.756	ppbv	100
67) sec-Butylbenzene	11.778	105	636845	9.820	ppbv	100
69) p-Isopropyltoluene	11.937	119	526956	10.209	ppbv	100
70) n-Butylbenzene	12.293	91	544456	10.470	ppbv	100
71) 2-Chlorotoluene	10.914	91	386204	10.555	ppbv	100
72) 4-Ethyltoluene	11.138	105	431817	10.800	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	358173	10.625	ppbv	100
74) 1,2,4-Trimethylbenzene	11.549	105	392374	10.203	ppbv	100
75) 1,3-Dichlorobenzene	11.620	146	249683	9.254	ppbv	100
76) 1,4-Dichlorobenzene	11.685	146	245671	9.594	ppbv	100
77) 1,2-Dichlorobenzene	11.960	146	238600	8.754	ppbv	100
78) Hexachloro-1,3-Butadiene	13.892	225	167444	7.888	ppbv	100
79) Naphthalene	13.523	128	381414	11.964	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	170730	12.807	ppbv	100
81) 1,2,4-Trichlorobenzene	13.452	180	191399	10.233	ppbv	100

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

