

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042095.D
 Acq On : 05 Mar 2025 08:30
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:02:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	165815	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	390110	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	326693	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 254935 10.143 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	198877	11.534	ppbv	100
3) Chlorodifluoromethane	1.479	51	247002	10.249	ppbv	99
4) Chloromethane	1.538	50	69218	10.855	ppbv	97
5) Vinyl Chloride	1.583	62	70039	11.612	ppbv	100
6) Bromomethane	1.674	94	33156	11.545	ppbv	99
7) Chloroethane	1.709	64	27201	11.099	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	161908	11.422	ppbv	98
9) Propene	1.486	41	101132	10.301	ppbv	98
10) Heptane	4.998	43	294595	9.637	ppbv	99
11) Trichlorofluoromethane	1.881	101	207056	11.984	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	158786	11.522	ppbv	95
13) Ethanol	1.725	45	3973	6.375	ppbv	97
14) Bromoethene	1.787	108	55735	11.452	ppbv	98
15) Acetone	1.842	43	155205	10.599	ppbv	99
16) 1,3-Butadiene	1.612	39	74898	10.991	ppbv	99
17) tert-Butyl alcohol	2.046	59	177305	9.678	ppbv	98
18) 1,1-Dichloroethene	2.039	96	66720	10.714	ppbv	96
19) Isopropyl Alcohol	1.890	45	90553	10.766	ppbv	99
20) Methylene Chloride	2.065	84	56483	10.197	ppbv	97
21) Allyl Chloride	2.101	41	112377	10.621	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	80221	11.051	ppbv	97
23) Vinyl Acetate	2.473	43	92000	8.935	ppbv	99
24) 1,1-Dichloroethane	2.415	63	153390	11.356	ppbv	99
25) Ethyl Acetate	2.845	43	605239	10.326	ppbv	99
26) Hexane	2.836	57	233025	9.834	ppbv	94
27) Carbon Disulfide	2.156	76	186945	11.638	ppbv	98
28) Methyl tert-Butyl Ether	2.450	73	124722	10.572	ppbv	98
29) Chloroform	2.858	83	317011	9.940	ppbv	97
30) Cyclohexane	3.868	84	181970	9.461	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	218493	9.740	ppbv	97
32) 1,1,1-Trichloroethane	3.379	97	293286	9.480	ppbv	95
34) 2-Butanone	2.567	43	345137	11.356	ppbv	97
35) Carbon Tetrachloride	3.774	117	302815	11.257	ppbv	97
36) Benzene	3.671	78	442810	10.843	ppbv	99
37) 1,2-Dichloroethane	3.230	62	247532	10.932	ppbv	99
38) Trichloroethene	4.567	130	170102	10.200	ppbv	95
39) 1,2-Dichloropropane	4.331	63	166038	10.712	ppbv	98
40) 1,4-Dioxane	4.603	88	76351	10.790	ppbv #	99
41) Tetrahydrofuran	3.065	42	193293	10.764	ppbv	98
42) Bromodichloromethane	4.506	83	333484	10.931	ppbv	99
43) Methyl Methacrylate	4.900	69	164805	10.334	ppbv	94
44) 2,2,4-Trimethylpentane	4.661	57	785325	10.896	ppbv	99
45) t-1,3-Dichloropropene	6.435	75	153774	9.705	ppbv	95

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	212388m	10.358	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	165682	10.528	ppbv	95
48) Dibromochloromethane	7.406	129	265905	10.789	ppbv	99
49) Bromoform	9.500	173	231505	10.816	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	469741	11.951	ppbv	97
51) 2-Hexanone	7.457	43	375683	13.887	ppbv #	98
52) Tetrachloroethene	8.241	164	143621	10.273	ppbv	95
53) Toluene	6.952	91	473242	10.369	ppbv	99
54) 1,2-Dibromoethane	7.668	107	220700	10.373	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.937	131	207111	11.216	ppbv	99
57) Chlorobenzene	8.937	112	378902	11.186	ppbv	98
58) Ethyl Benzene	9.370	91	647740	10.766	ppbv	98
59) m/p-Xylene	9.564	91	1067183m	22.289	ppbv	
60) o-Xylene	9.979	91	536421	11.145	ppbv	99
61) Styrene	9.885	104	245534	10.850	ppbv	99
62) Isopropylbenzene	10.552	105	796344	11.047	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	362361	11.432	ppbv	100
64) n-propylbenzene	11.002	120	213005	11.265	ppbv	100
65) tert-Butylbenzene	11.542	119	705653	10.756	ppbv	100
66) Benzyl Chloride	11.626	91	41915	8.373	ppbv	98
67) sec-Butylbenzene	11.778	105	1017676	10.846	ppbv	98
69) p-Isopropyltoluene	11.937	119	838899	11.238	ppbv	99
70) n-Butylbenzene	12.293	91	867869	11.390	ppbv	99
71) 2-Chlorotoluene	10.914	91	600054	10.798	ppbv	100
72) 4-Ethyltoluene	11.137	105	644397	10.965	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	548471	10.759	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	613250	10.683	ppbv	99
75) 1,3-Dichlorobenzene	11.620	146	357254	10.814	ppbv	99
76) 1,4-Dichlorobenzene	11.684	146	360532	10.991	ppbv	100
77) 1,2-Dichlorobenzene	11.960	146	358512	11.182	ppbv	100
78) Hexachloro-1,3-Butadiene	13.892	225	252408	10.118	ppbv	99
79) Naphthalene	13.523	128	552752	14.043	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	195224	18.124	ppbv	100
81) 1,2,4-Trichlorobenzene	13.452	180	248785	11.342	ppbv	99

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

