

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042097.D
 Acq On : 05 Mar 2025 10:47
 Operator : SY/MD
 Sample : VL0305ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0305ABS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 06 01:04:10 2025

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

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

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	2.800	49	160352	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	379500	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.905	117	316612	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 251469 10.324 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.506	85	194657	11.674	ppbv	99
3) Chlorodifluoromethane	1.483	51	246359	10.571	ppbv	99
4) Chloromethane	1.538	50	71171	11.542	ppbv	99
5) Vinyl Chloride	1.586	62	69130	11.852	ppbv	100
6) Bromomethane	1.674	94	33128	11.928	ppbv	97
7) Chloroethane	1.713	64	27759	11.713	ppbv	89
8) Dichlorotetrafluoroethane	1.561	85	162757	11.874	ppbv	99
9) Propene	1.489	41	96352	10.148	ppbv	99
10) Heptane	5.008	43	298220	10.088	ppbv	98
11) Trichlorofluoromethane	1.884	101	205498	12.300	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.150	101	160708	12.058	ppbv	95
13) Ethanol	1.729	45	4072	6.756	ppbv	81
14) Bromoethene	1.790	108	55379	11.767	ppbv	98
15) Acetone	1.842	43	157750	11.140	ppbv	99
16) 1,3-Butadiene	1.616	39	75573	11.468	ppbv	100
17) tert-Butyl alcohol	2.049	59	177011	9.991	ppbv	98
18) 1,1-Dichloroethene	2.043	96	65470	10.872	ppbv	94
19) Isopropyl Alcohol	1.894	45	86867	10.679	ppbv	97
20) Methylene Chloride	2.072	84	56501	10.548	ppbv	96
21) Allyl Chloride	2.108	41	115415	11.280	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	79822	11.370	ppbv	93
23) Vinyl Acetate	2.473	43	92207	9.260	ppbv #	96
24) 1,1-Dichloroethane	2.418	63	153850	11.778	ppbv	99
25) Ethyl Acetate	2.852	43	597115	10.535	ppbv	99
26) Hexane	2.839	57	232377	10.141	ppbv	96
27) Carbon Disulfide	2.159	76	186159	11.984	ppbv	97
28) Methyl tert-Butyl Ether	2.454	73	151716	13.299	ppbv	97
29) Chloroform	2.862	83	313061	10.151	ppbv	100
30) Cyclohexane	3.878	84	179953	9.675	ppbv	95
31) cis-1,2-Dichloroethene	2.735	61	213357	9.836	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	292336	9.772	ppbv	96
34) 2-Butanone	2.570	43	333123	11.267	ppbv	98
35) Carbon Tetrachloride	3.781	117	297817	11.380	ppbv	98
36) Benzene	3.677	78	435850	10.971	ppbv	98
37) 1,2-Dichloroethane	3.237	62	240492	10.918	ppbv	98
38) Trichloroethene	4.574	130	166781	10.281	ppbv	94
39) 1,2-Dichloropropane	4.338	63	162248	10.760	ppbv	96
40) 1,4-Dioxane	4.613	88	75498	10.968	ppbv #	99
41) Tetrahydrofuran	3.072	42	191294	10.950	ppbv	97
42) Bromodichloromethane	4.516	83	326265	10.994	ppbv	97
43) Methyl Methacrylate	4.907	69	166024	10.701	ppbv	97
44) 2,2,4-Trimethylpentane	4.668	57	785565	11.204	ppbv	98
45) t-1,3-Dichloropropene	6.451	75	148287	9.620	ppbv	98

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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	5.636	75	207033	10.379	ppbv	95
47) 1,1,2-Trichloroethane	6.613	97	167793	10.961	ppbv	99
48) Dibromochloromethane	7.412	129	262758	10.959	ppbv	99
49) Bromoform	9.503	173	229272	11.011	ppbv	99
50) 4-Methyl-2-Pentanone	5.788	43	461338	12.065	ppbv	97
51) 2-Hexanone	7.464	43	369072	14.024	ppbv #	97
52) Tetrachloroethene	8.247	164	144742	10.642	ppbv	96
53) Toluene	6.963	91	468447	10.551	ppbv	98
54) 1,2-Dibromoethane	7.678	107	222200	10.736	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.947	131	209934	11.731	ppbv	100
57) Chlorobenzene	8.943	112	381160	11.611	ppbv	98
58) Ethyl Benzene	9.377	91	646635	11.090	ppbv	99
59) m/p-Xylene	9.571	91	1072581m	23.115	ppbv	
60) o-Xylene	9.986	91	535123	11.472	ppbv	99
61) Styrene	9.888	104	240915	10.985	ppbv	100
62) Isopropylbenzene	10.558	105	794251	11.369	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	371615	12.097	ppbv	98
64) n-propylbenzene	11.005	120	214049	11.681	ppbv	99
65) tert-Butylbenzene	11.549	119	716249	11.265	ppbv	100
66) Benzyl Chloride	11.633	91	42880	8.838	ppbv	98
67) sec-Butylbenzene	11.785	105	1032923	11.360	ppbv	99
69) p-Isopropyltoluene	11.944	119	841604	11.633	ppbv	99
70) n-Butylbenzene	12.297	91	863719	11.696	ppbv	99
71) 2-Chlorotoluene	10.921	91	601798	11.174	ppbv	100
72) 4-Ethyltoluene	11.141	105	656733	11.531	ppbv	99
73) 1,3,5-Trimethylbenzene	11.219	105	555629	11.246	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	619811	11.141	ppbv	92
75) 1,3-Dichlorobenzene	11.623	146	369651	11.545	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	367199	11.551	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	359930	11.584	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	250988	10.382	ppbv	99
79) Naphthalene	13.530	128	548544	14.380	ppbv	99
80) Naphthalene,2-methyl-	14.472	142	194094	18.593	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	246986	11.618	ppbv	99

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

