

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042558.D
 Acq On : 21 May 2025 10:12
 Operator : SY/MD
 Sample : VL0521ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/22/2025
 Supervised By :Mahesh Dadoda 05/22/2025

Quant Time: May 21 22:53:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

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

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	116321	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	377848	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	333400	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 281736 10.559 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	208299	9.576	ppbv	98
3) Chlorodifluoromethane	1.476	51	166978	9.316	ppbv	99
4) Chloromethane	1.534	50	64844	9.253	ppbv	99
5) Vinyl Chloride	1.583	62	70380	9.109	ppbv	100
6) Bromomethane	1.670	94	41995	9.448	ppbv	94
7) Chloroethane	1.706	64	29263	9.419	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	173808	9.433	ppbv	99
9) Propene	1.482	41	55735	8.948	ppbv	100
10) Heptane	4.988	43	166704	10.157	ppbv	99
11) Trichlorofluoromethane	1.881	101	204847	9.019	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	165114	9.018	ppbv	99
13) Ethanol	1.725	45	6675	7.393	ppbv	97
14) Bromoethene	1.784	108	64287	9.294	ppbv	97
15) Acetone	1.839	43	122417	7.552	ppbv	99
16) 1,3-Butadiene	1.612	39	59838	9.093	ppbv	97
17) tert-Butyl alcohol	2.042	59	162833	8.692	ppbv	100
18) 1,1-Dichloroethene	2.036	96	73897	8.931	ppbv	97
19) Isopropyl Alcohol	1.887	45	79558	8.631	ppbv #	35
20) Methylene Chloride	2.065	84	62225	7.928	ppbv	99
21) Allyl Chloride	2.097	41	93327	8.988	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	82974	9.038	ppbv	96
23) Vinyl Acetate	2.466	43	160397	8.696	ppbv	99
24) 1,1-Dichloroethane	2.411	63	144008	9.147	ppbv	99
25) Ethyl Acetate	2.842	43	307783	9.822	ppbv	100
26) Hexane	2.829	57	138375	9.767	ppbv	96
27) Carbon Disulfide	2.152	76	191355	9.325	ppbv	95
28) Methyl tert-Butyl Ether	2.444	73	81115	8.497	ppbv	99
29) Chloroform	2.855	83	255414	9.533	ppbv	99
30) Cyclohexane	3.865	84	124310	10.142	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	145782	9.359	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	264881	9.674	ppbv	99
34) 2-Butanone	2.564	43	193483	9.646	ppbv	98
35) Carbon Tetrachloride	3.771	117	289943	10.036	ppbv	99
36) Benzene	3.664	78	300694	9.834	ppbv	99
37) 1,2-Dichloroethane	3.224	62	186306	9.972	ppbv	99
38) Trichloroethene	4.557	130	134468	9.636	ppbv	94
39) 1,2-Dichloropropane	4.324	63	103756	9.668	ppbv	95
40) 1,4-Dioxane	4.596	88	47199	9.832	ppbv #	80
41) Tetrahydrofuran	3.062	42	102011	10.433	ppbv	99
42) Bromodichloromethane	4.499	83	270663	10.281	ppbv	97
43) Methyl Methacrylate	4.891	69	109007	10.505	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	486516	10.374	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	137509	10.389	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	164177	10.199	ppbv	99
47) 1,1,2-Trichloroethane	6.596	97	127525	9.919	ppbv	99
48) Dibromochloromethane	7.399	129	230923	10.378	ppbv	100
49) Bromoform	9.490	173	202892	10.684	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	261272	10.856	ppbv	100
51) 2-Hexanone	7.444	43	207178	11.672	ppbv #	97
52) Tetrachloroethene	8.234	164	116970	9.809	ppbv	98
53) Toluene	6.943	91	349032	10.679	ppbv	99
54) 1,2-Dibromoethane	7.661	107	194890	10.404	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	185173	10.418	ppbv	98
57) Chlorobenzene	8.930	112	298157	10.040	ppbv	99
58) Ethyl Benzene	9.364	91	496019	11.364	ppbv	97
59) m/p-Xylene	9.561	91	847195m	22.732	ppbv	
60) o-Xylene	9.972	91	423569	11.474	ppbv	99
61) Styrene	9.878	104	169581	11.986	ppbv	99
62) Isopropylbenzene	10.545	105	624942	11.065	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	256372	10.393	ppbv	99
64) n-propylbenzene	10.995	120	163942	11.652	ppbv	99
65) tert-Butylbenzene	11.539	119	584410	11.503	ppbv	99
66) Benzyl Chloride	11.620	91	68619	10.796	ppbv	100
67) sec-Butylbenzene	11.775	105	798171	11.130	ppbv	100
69) p-Isopropyltoluene	11.934	119	690311	11.656	ppbv	100
70) n-Butylbenzene	12.286	91	671916	12.008	ppbv	99
71) 2-Chlorotoluene	10.908	91	463109	11.393	ppbv	99
72) 4-Ethyltoluene	11.131	105	533569	11.704	ppbv	100
73) 1,3,5-Trimethylbenzene	11.212	105	454600	11.527	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	515907	10.849	ppbv #	89
75) 1,3-Dichlorobenzene	11.613	146	310950	10.595	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	308975	10.840	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	302402	10.457	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	230027	9.630	ppbv	99
79) Naphthalene	13.520	128	464800	13.044	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	248065	13.511	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	250439	11.700	ppbv	99

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

Manual Integrations

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