

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
 Data File : VL042574.D
 Acq On : 22 May 2025 10:55
 Operator : SY/MD
 Sample : VL0522ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:32:02 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	2.797	49	127482	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	400201	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	348677	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 302494 10.840 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	238768	10.015	ppbv	99
3) Chlorodifluoromethane	1.480	51	191299	9.739	ppbv	98
4) Chloromethane	1.538	50	76931	10.016	ppbv	95
5) Vinyl Chloride	1.583	62	80061	9.455	ppbv	98
6) Bromomethane	1.671	94	48489	9.954	ppbv	96
7) Chloroethane	1.709	64	32949	9.677	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	203162	10.060	ppbv	99
9) Propene	1.486	41	60473	8.859	ppbv	100
10) Heptane	4.998	43	187428	10.420	ppbv	99
11) Trichlorofluoromethane	1.881	101	236122	9.486	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	189231	9.431	ppbv	97
13) Ethanol	1.726	45	7218	7.294	ppbv	97
14) Bromoethene	1.787	108	71823	9.475	ppbv	99
15) Acetone	1.839	43	144672	8.144	ppbv	99
16) 1,3-Butadiene	1.612	39	69153	9.588	ppbv	99
17) tert-Butyl alcohol	2.046	59	182924	8.910	ppbv	99
18) 1,1-Dichloroethene	2.040	96	85258	9.402	ppbv	97
19) Isopropyl Alcohol	1.891	45	92336	9.140	ppbv #	36
20) Methylene Chloride	2.069	84	72253	8.400	ppbv	97
21) Allyl Chloride	2.101	41	107772	9.471	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	96425	9.584	ppbv	99
23) Vinyl Acetate	2.470	43	190759	9.437	ppbv	98
24) 1,1-Dichloroethane	2.415	63	164530	9.536	ppbv	99
25) Ethyl Acetate	2.845	43	348060	10.135	ppbv	99
26) Hexane	2.836	57	156680	10.091	ppbv	97
27) Carbon Disulfide	2.156	76	221164	9.834	ppbv	95
28) Methyl tert-Butyl Ether	2.447	73	89767	8.580	ppbv	100
29) Chloroform	2.858	83	292805	9.972	ppbv	98
30) Cyclohexane	3.872	84	135696	10.102	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	155469	9.107	ppbv	97
32) 1,1,1-Trichloroethane	3.380	97	298202	9.938	ppbv	99
34) 2-Butanone	2.567	43	214559	10.099	ppbv	97
35) Carbon Tetrachloride	3.778	117	327974	10.718	ppbv	98
36) Benzene	3.671	78	330796	10.214	ppbv	99
37) 1,2-Dichloroethane	3.231	62	209635	10.594	ppbv	98
38) Trichloroethene	4.567	130	149139	10.090	ppbv	99
39) 1,2-Dichloropropane	4.328	63	116611	10.258	ppbv	97
40) 1,4-Dioxane	4.603	88	54015	10.623	ppbv #	93
41) Tetrahydrofuran	3.066	42	111002	10.718	ppbv	97
42) Bromodichloromethane	4.506	83	305637	10.961	ppbv	100
43) Methyl Methacrylate	4.901	69	119511	10.874	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	548509	11.043	ppbv	97
45) t-1,3-Dichloropropene	6.441	75	145228	10.359	ppbv	100

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	177691	10.422	ppbv	96
47) 1,1,2-Trichloroethane	6.603	97	145377	10.676	ppbv	95
48) Dibromochloromethane	7.406	129	259309	11.003	ppbv	99
49) Bromoform	9.500	173	230404	11.455	ppbv	100
50) 4-Methyl-2-Pentanone	5.778	43	292368	11.470	ppbv	99
51) 2-Hexanone	7.454	43	232456	12.365	ppbv #	98
52) Tetrachloroethene	8.241	164	126227	9.994	ppbv	95
53) Toluene	6.953	91	375775	10.855	ppbv	99
54) 1,2-Dibromoethane	7.671	107	219515	11.064	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	209838	11.288	ppbv	99
57) Chlorobenzene	8.937	112	335918	10.815	ppbv	99
58) Ethyl Benzene	9.371	91	545952	11.960	ppbv	97
59) m/p-Xylene	9.565	91	958763m	24.599	ppbv	
60) o-Xylene	9.979	91	482455	12.497	ppbv	100
61) Styrene	9.885	104	178172	12.041	ppbv	98
62) Isopropylbenzene	10.552	105	699623	11.844	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	301783	11.698	ppbv	99
64) n-propylbenzene	11.002	120	184535	12.541	ppbv	99
65) tert-Butylbenzene	11.542	119	660222	12.426	ppbv	99
66) Benzyl Chloride	11.627	91	82949	12.478	ppbv	100
67) sec-Butylbenzene	11.779	105	911505	12.154	ppbv	100
69) p-Isopropyltoluene	11.937	119	780660	12.604	ppbv	100
70) n-Butylbenzene	12.293	91	763142	13.041	ppbv	99
71) 2-Chlorotoluene	10.914	91	512932	12.066	ppbv	99
72) 4-Ethyltoluene	11.138	105	602854	12.644	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	506464	12.280	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	593362	11.931	ppbv	96
75) 1,3-Dichlorobenzene	11.620	146	360249	11.736	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	354988	11.909	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	352248	11.647	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	260697	10.436	ppbv	99
79) Naphthalene	13.523	128	517630	13.890	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	278060	14.481	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	278893	12.459	ppbv	99

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

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