

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043146.D
 Acq On : 04 Nov 2025 09:48
 Operator : SY/MD
 Sample : VL1104ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1104ABS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/07/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Quant Time: Nov 05 06:27:29 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

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

QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	117211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	376663	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.875	117	338293	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 263837 10.034 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	168363	10.104	ppbv	99
3) Chlorodifluoromethane	1.476	51	174074	9.655	ppbv	96
4) Chloromethane	1.534	50	56886	8.617	ppbv	99
5) Vinyl Chloride	1.580	62	56540	8.732	ppbv	100
6) Bromomethane	1.667	94	33757	9.508	ppbv	94
7) Chloroethane	1.703	64	23147	8.744	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	134435	9.982	ppbv	93
9) Propene	1.482	41	68089	8.515	ppbv	99
10) Heptane	4.975	43	199620	8.672	ppbv	98
11) Trichlorofluoromethane	1.877	101	173088	10.619	ppbv	95
12) 1,1,2-Trichlorotrifluoro...	2.140	101	136304	10.387	ppbv	96
13) Ethanol	1.719	45	20847	7.048	ppbv	100
14) Bromoethene	1.780	108	48820	10.015	ppbv	98
15) Acetone	1.835	43	133811	8.470	ppbv	100
16) 1,3-Butadiene	1.609	39	63171	8.390	ppbv	99
17) tert-Butyl alcohol	2.039	59	202021	9.316	ppbv	98
18) 1,1-Dichloroethene	2.033	96	59286	10.363	ppbv	90
19) Isopropyl Alcohol	1.884	45	83769	8.514	ppbv	96
20) Methylene Chloride	2.059	84	52539	8.413	ppbv	94
21) Allyl Chloride	2.094	41	104641	8.989	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	67810	9.916	ppbv	92
23) Vinyl Acetate	2.460	43	231949	10.023	ppbv	99
24) 1,1-Dichloroethane	2.408	63	126729	9.592	ppbv	99
25) Ethyl Acetate	2.832	43	368011	9.393	ppbv	99
26) Hexane	2.822	57	171240	9.486	ppbv	96
27) Carbon Disulfide	2.149	76	163324	9.874	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	75568	9.201	ppbv	95
29) Chloroform	2.845	83	274359	10.489	ppbv	99
30) Cyclohexane	3.852	84	148402	9.419	ppbv	93
31) cis-1,2-Dichloroethene	2.719	61	175653	10.190	ppbv	94
32) 1,1,1-Trichloroethane	3.366	97	290473	10.664	ppbv	98
34) 2-Butanone	2.554	43	242501	9.578	ppbv	96
35) Carbon Tetrachloride	3.758	117	293855	10.851	ppbv	99
36) Benzene	3.651	78	349653	9.856	ppbv	99
37) 1,2-Dichloroethane	3.214	62	212892	10.417	ppbv	98
38) Trichloroethene	4.541	130	141092	9.523	ppbv	97
39) 1,2-Dichloropropane	4.308	63	124426	9.594	ppbv	96
40) 1,4-Dioxane	4.570	88	53899	9.287	ppbv #	95
41) Tetrahydrofuran	3.049	42	128112	9.047	ppbv	97
42) Bromodichloromethane	4.486	83	298731	10.561	ppbv	99
43) Methyl Methacrylate	4.871	69	168688	9.362	ppbv	96
44) 2,2,4-Trimethylpentane	4.635	57	559739	9.352	ppbv	100
45) t-1,3-Dichloropropene	6.409	75	176685	9.771	ppbv	100

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QLast Update : Wed Oct 15 02:12:58 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	209372	9.693	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	138252	9.871	ppbv	97
48) Dibromochloromethane	7.380	129	248177	10.598	ppbv	99
49) Bromoform	9.477	173	210814	11.075	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	312202	8.935	ppbv	99
51) 2-Hexanone	7.425	43	236506	9.024	ppbv #	99
52) Tetrachloroethene	8.221	164	127759	9.987	ppbv	95
53) Toluene	6.926	91	399969	9.499	ppbv	99
54) 1,2-Dibromoethane	7.645	107	216136	9.852	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	226661	10.629	ppbv	98
57) Chlorobenzene	8.917	112	301511	9.527	ppbv	99
58) Ethyl Benzene	9.351	91	558920	9.627	ppbv	96
59) m/p-Xylene	9.548	91	889935m	19.218	ppbv	
60) o-Xylene	9.959	91	440338	9.628	ppbv	99
61) Styrene	9.869	104	193632	9.378	ppbv	99
62) Isopropylbenzene	10.535	105	809864	9.800	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	281039	9.177	ppbv	100
64) n-propylbenzene	10.985	120	207399	9.479	ppbv	96
65) tert-Butylbenzene	11.529	119	678792	9.301	ppbv	98
66) Benzyl Chloride	11.610	91	69894	8.605	ppbv	98
67) sec-Butylbenzene	11.765	105	974193	9.406	ppbv	100
69) p-Isopropyltoluene	11.924	119	823913	9.361	ppbv	99
70) n-Butylbenzene	12.277	91	824593	9.507	ppbv	99
71) 2-Chlorotoluene	10.898	91	598881	9.501	ppbv	99
72) 4-Ethyltoluene	11.121	105	545992	9.709	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	455284	9.816	ppbv	95
74) 1,2,4-Trimethylbenzene	11.535	105	487206	9.387	ppbv	88
75) 1,3-Dichlorobenzene	11.603	146	297914	9.897	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	303231	9.990	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	281881	9.680	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	213998	9.491	ppbv	97
79) Naphthalene	13.510	128	505564	9.319	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	153217	10.841	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	230297	10.228	ppbv	100

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

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