

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043150.D
 Acq On : 04 Nov 2025 11:55
 Operator : SY/MD
 Sample : Q3530-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:12 2025

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

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

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

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2025
 Supervised By : Mahesh Dadoda 11/07/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	115039	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	362611	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	313207	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 246141 10.111 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	8165	0.499	ppbv	99
3) Chlorodifluoromethane	1.476	51	8187	0.463	ppbv	97
4) Chloromethane	1.535	50	2830	0.437	ppbv	100
5) Vinyl Chloride	1.583	62	2873	0.452	ppbv	95
6) Bromomethane	1.671	94	1627	0.467	ppbv #	74
7) Chloroethane	1.706	64	1233	0.475	ppbv #	88
8) Dichlorotetrafluoroethane	1.557	85	6244	0.472	ppbv #	77
9) Propene	1.486	41	3223	0.411	ppbv	93
10) Heptane	4.985	43	7365m	0.326	ppbv	
11) Trichlorofluoromethane	1.881	101	9044	0.565	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	6880	0.534	ppbv	95
13) Ethanol	1.722	45	1697	0.585	ppbv	89
14) Bromoethene	1.784	108	2295	0.480	ppbv #	86
15) Acetone	1.839	43	9162	0.591	ppbv	94
16) 1,3-Butadiene	1.612	39	3240	0.438	ppbv	89
17) tert-Butyl alcohol	2.043	59	9965	0.468	ppbv	95
18) 1,1-Dichloroethene	2.036	96	2719	0.484	ppbv	83
19) Isopropyl Alcohol	1.887	45	4662	0.483	ppbv #	71
20) Methylene Chloride	2.062	84	3917	0.639	ppbv #	93
21) Allyl Chloride	2.098	41	4781	0.418	ppbv #	72
22) trans-1,2-Dichloroethene	2.344	96	3567	0.531	ppbv	90
23) Vinyl Acetate	2.463	43	12089	0.532	ppbv	98
24) 1,1-Dichloroethane	2.412	63	6467	0.499	ppbv #	88
25) Ethyl Acetate	2.839	43	15643	0.407	ppbv	98
26) Hexane	2.826	57	6915	0.390	ppbv	91
27) Carbon Disulfide	2.153	76	7630	0.470	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	3677	0.456	ppbv	95
29) Chloroform	2.849	83	12442	0.485	ppbv	88
30) Cyclohexane	3.858	84	5766	0.373	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	7660	0.453	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	12771	0.478	ppbv	99
34) 2-Butanone	2.561	43	11264	0.462	ppbv	91
35) Carbon Tetrachloride	3.768	117	12918	0.496	ppbv	90
36) Benzene	3.658	78	15489	0.454	ppbv	95
37) 1,2-Dichloroethane	3.221	62	10142	0.515	ppbv #	95
38) Trichloroethene	4.554	130	6611m	0.463	ppbv	
39) 1,2-Dichloropropane	4.315	63	5553	0.445	ppbv	99
40) 1,4-Dioxane	4.603	88	2286m	0.409	ppbv	
41) Tetrahydrofuran	3.062	42	4889	0.359	ppbv #	92
42) Bromodichloromethane	4.493	83	13046	0.479	ppbv #	97
43) Methyl Methacrylate	4.881	69	6358	0.367	ppbv	91
44) 2,2,4-Trimethylpentane	4.642	57	21476	0.373	ppbv	95
45) t-1,3-Dichloropropene	6.412	75	6126m	0.352	ppbv	

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	7744m	0.372	ppbv	
47) 1,1,2-Trichloroethane	6.577	97	6469m	0.480	ppbv	
48) Dibromochloromethane	7.386	129	10231	0.454	ppbv	97
49) Bromoform	9.487	173	8233m	0.449	ppbv	
50) 4-Methyl-2-Pentanone	5.771	43	12528m	0.372	ppbv	
51) 2-Hexanone	7.445	43	7485	0.297	ppbv #	99
52) Tetrachloroethene	8.228	164	6235m	0.506	ppbv	
53) Toluene	6.937	91	14339m	0.354	ppbv	
54) 1,2-Dibromoethane	7.652	107	9798	0.464	ppbv	86
56) 1,1,1,2-Tetrachloroethane	8.924	131	10189	0.516	ppbv #	1
57) Chlorobenzene	8.917	112	14013	0.478	ppbv #	84
58) Ethyl Benzene	9.358	91	19508	0.363	ppbv	94
59) m/p-Xylene	9.552	91	31319m	0.730	ppbv	
60) o-Xylene	9.963	91	16019	0.378	ppbv	97
61) Styrene	9.869	104	6498	0.340	ppbv	96
62) Isopropylbenzene	10.539	105	30545	0.399	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	13112	0.462	ppbv	98
64) n-propylbenzene	10.989	120	7654	0.378	ppbv	95
65) tert-Butylbenzene	11.533	119	26729	0.396	ppbv	98
66) Benzyl Chloride	11.620	91	1929m	0.257	ppbv	
67) sec-Butylbenzene	11.766	105	40169	0.419	ppbv	97
69) p-Isopropyltoluene	11.924	119	30464	0.374	ppbv	99
70) n-Butylbenzene	12.283	91	27554	0.343	ppbv	98
71) 2-Chlorotoluene	10.901	91	22987	0.394	ppbv	99
72) 4-Ethyltoluene	11.128	105	18484	0.355	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	16353	0.381	ppbv	87
74) 1,2,4-Trimethylbenzene	11.539	105	19486	0.406	ppbv #	82
75) 1,3-Dichlorobenzene	11.607	146	13526	0.485	ppbv	97
76) 1,4-Dichlorobenzene	11.672	146	13108	0.466	ppbv	95
77) 1,2-Dichlorobenzene	11.947	146	13838	0.513	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	11610	0.556	ppbv	96
79) Naphthalene	13.517	128	13133	0.261	ppbv #	97
80) Naphthalene,2-methyl-	14.462	142	1597	0.122	ppbv	91
81) 1,2,4-Trichlorobenzene	13.439	180	5629	0.270	ppbv	93

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

