

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043155.D
 Acq On : 06 Nov 2025 07:19
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/07/2025
 Supervised By : Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:16:14 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

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

Internal Standards						
1) Bromochloromethane	2.790	49	111679	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	341877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	299829	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 246332 10.570 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	171973	10.832	ppbv	97
3) Chlorodifluoromethane	1.479	51	173652	10.109	ppbv	96
4) Chloromethane	1.534	50	57078	9.075	ppbv	97
5) Vinyl Chloride	1.583	62	57398	9.304	ppbv	98
6) Bromomethane	1.670	94	35458	10.482	ppbv	99
7) Chloroethane	1.706	64	23010	9.123	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	137989	10.753	ppbv	91
9) Propene	1.486	41	63768	8.370	ppbv	99
10) Heptane	4.985	43	188172	8.579	ppbv	97
11) Trichlorofluoromethane	1.881	101	185190	11.925	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	144020	11.519	ppbv	99
13) Ethanol	1.722	45	20822	7.389	ppbv	98
14) Bromoethene	1.784	108	49929	10.750	ppbv	99
15) Acetone	1.835	43	136553	9.072	ppbv	100
16) 1,3-Butadiene	1.612	39	63019	8.785	ppbv	99
17) tert-Butyl alcohol	2.043	59	204329	9.889	ppbv	100
18) 1,1-Dichloroethene	2.036	96	60122	11.030	ppbv	93
19) Isopropyl Alcohol	1.887	45	81900	8.736	ppbv	93
20) Methylene Chloride	2.065	84	52206	8.774	ppbv	96
21) Allyl Chloride	2.098	41	103255	9.309	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	69627	10.686	ppbv	96
23) Vinyl Acetate	2.463	43	236500	10.726	ppbv	98
24) 1,1-Dichloroethane	2.412	63	132624	10.535	ppbv	99
25) Ethyl Acetate	2.836	43	352821	9.452	ppbv	99
26) Hexane	2.829	57	163545	9.508	ppbv	97
27) Carbon Disulfide	2.153	76	168378	10.684	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	79492	10.158	ppbv	94
29) Chloroform	2.852	83	272134	10.919	ppbv	100
30) Cyclohexane	3.862	84	140232	9.341	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	168571	10.263	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	281440	10.844	ppbv	99
34) 2-Butanone	2.557	43	235359	10.242	ppbv	98
35) Carbon Tetrachloride	3.768	117	291148	11.845	ppbv	99
36) Benzene	3.661	78	326769	10.148	ppbv	96
37) 1,2-Dichloroethane	3.221	62	213185	11.493	ppbv	98
38) Trichloroethene	4.554	130	129566	9.635	ppbv	94
39) 1,2-Dichloropropane	4.318	63	117127	9.950	ppbv	95
40) 1,4-Dioxane	4.580	88	50431	9.574	ppbv #	96
41) Tetrahydrofuran	3.056	42	119118	9.267	ppbv	97
42) Bromodichloromethane	4.496	83	291618	11.359	ppbv	100
43) Methyl Methacrylate	4.884	69	157399	9.624	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	535251	9.853	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	168113	10.243	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

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	5.606	75	197738	10.086	ppbv	95
47) 1,1,2-Trichloroethane	6.584	97	130602	10.274	ppbv	94
48) Dibromochloromethane	7.389	129	238917	11.241	ppbv	98
49) Bromoform	9.487	173	206162	11.933	ppbv	98
50) 4-Methyl-2-Pentanone	5.748	43	295948	9.331	ppbv	100
51) 2-Hexanone	7.435	43	225625	9.485	ppbv #	98
52) Tetrachloroethene	8.231	164	120713	10.396	ppbv	98
53) Toluene	6.936	91	374714	9.805	ppbv	98
54) 1,2-Dibromoethane	7.655	107	205679	10.330	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	216010	11.429	ppbv	97
57) Chlorobenzene	8.924	112	286894	10.228	ppbv	100
58) Ethyl Benzene	9.357	91	527991	10.261	ppbv	100
59) m/p-Xylene	9.555	91	864452m	21.062	ppbv	
60) o-Xylene	9.966	91	428248	10.565	ppbv	98
61) Styrene	9.872	104	180052	9.839	ppbv	99
62) Isopropylbenzene	10.542	105	773742	10.564	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	273835	10.089	ppbv	99
64) n-propylbenzene	10.992	120	202414	10.438	ppbv	96
65) tert-Butylbenzene	11.532	119	664024	10.266	ppbv	97
66) Benzyl Chloride	11.620	91	66651	9.258	ppbv	98
67) sec-Butylbenzene	11.769	105	948023	10.327	ppbv	99
69) p-Isopropyltoluene	11.927	119	798570	10.237	ppbv	98
70) n-Butylbenzene	12.283	91	800217	10.410	ppbv	99
71) 2-Chlorotoluene	10.901	91	584421	10.461	ppbv	99
72) 4-Ethyltoluene	11.128	105	532971	10.693	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	438651	10.671	ppbv	93
74) 1,2,4-Trimethylbenzene	11.539	105	479281	10.419	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	291949	10.943	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	292491	10.872	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	275403	10.670	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	208179	10.417	ppbv	99
79) Naphthalene	13.516	128	486229	10.113	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	137059	10.942	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	214527	10.750	ppbv	98

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

