

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043079.D
 Acq On : 09 Oct 2025 09:29
 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 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:11:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	197992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	568897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	498408	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 412204 11.481 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 114.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	308523	9.246	ppbv	100
3) Chlorodifluoromethane	1.473	51	295319	9.148	ppbv	99
4) Chloromethane	1.531	50	112822	9.256	ppbv	97
5) Vinyl Chloride	1.576	62	106666	9.221	ppbv	97
6) Bromomethane	1.664	94	48615	9.353	ppbv	98
7) Chloroethane	1.699	64	44248	9.167	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	254941	9.324	ppbv	99
9) Propene	1.479	41	117817	9.052	ppbv	97
10) Heptane	4.959	43	328840	10.276	ppbv	99
11) Trichlorofluoromethane	1.874	101	314461	9.170	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	248138	9.187	ppbv	98
13) Ethanol	1.716	45	5305	9.977	ppbv	96
14) Bromoethene	1.777	108	90727	9.370	ppbv	99
15) Acetone	1.829	43	230776	8.325	ppbv	100
16) 1,3-Butadiene	1.605	39	105234	9.207	ppbv	99
17) tert-Butyl alcohol	2.033	59	272568	9.295	ppbv	100
18) 1,1-Dichloroethene	2.029	96	109177	9.221	ppbv	94
19) Isopropyl Alcohol	1.881	45	118918	8.953	ppbv	98
20) Methylene Chloride	2.055	84	94670	7.824	ppbv	95
21) Allyl Chloride	2.091	41	165355	9.310	ppbv	99
22) trans-1,2-Dichloroethene	2.334	96	122834	9.138	ppbv	97
23) Vinyl Acetate	2.453	43	50211	8.531	ppbv	97
24) 1,1-Dichloroethane	2.402	63	236357	9.276	ppbv	99
25) Ethyl Acetate	2.822	43	674648	9.701	ppbv	100
26) Hexane	2.816	57	262689	9.819	ppbv	98
27) Carbon Disulfide	2.146	76	295221	9.347	ppbv	100
28) Methyl tert-Butyl Ether	2.431	73	149976	8.958	ppbv	99
29) Chloroform	2.839	83	416143	9.124	ppbv	99
30) Cyclohexane	3.842	84	216243	9.837	ppbv	98
31) cis-1,2-Dichloroethene	2.712	61	250538	9.110	ppbv	99
32) 1,1,1-Trichloroethane	3.356	97	396570	8.946	ppbv	99
34) 2-Butanone	2.547	43	368929	9.558	ppbv	99
35) Carbon Tetrachloride	3.748	117	422481	9.026	ppbv	99
36) Benzene	3.645	78	523478	9.631	ppbv	99
37) 1,2-Dichloroethane	3.208	62	303020	9.413	ppbv	100
38) Trichloroethene	4.528	130	218456	9.648	ppbv	98
39) 1,2-Dichloropropane	4.298	63	191644	9.512	ppbv	97
40) 1,4-Dioxane	4.557	88	85932	9.944	ppbv #	94
41) Tetrahydrofuran	3.039	42	206359	10.344	ppbv	98
42) Bromodichloromethane	4.470	83	434122	9.550	ppbv	97
43) Methyl Methacrylate	4.858	69	184234	10.211	ppbv	99
44) 2,2,4-Trimethylpentane	4.622	57	887460	10.175	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	156138	9.456	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.577	75	225445	9.690	ppbv	97
47) 1,1,2-Trichloroethane	6.561	97	210090	9.375	ppbv	98
48) Dibromochloromethane	7.370	129	350743	9.590	ppbv	100
49) Bromoform	9.467	173	306339	10.029	ppbv	100
50) 4-Methyl-2-Pentanone	5.722	43	499008	10.601	ppbv	99
51) 2-Hexanone	7.415	43	379224	11.318	ppbv #	98
52) Tetrachloroethene	8.208	164	180730	8.980	ppbv	98
53) Toluene	6.914	91	563029	10.261	ppbv	100
54) 1,2-Dibromoethane	7.632	107	258790	9.743	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.911	131	278761	9.176	ppbv	99
57) Chlorobenzene	8.907	112	476463	9.043	ppbv	100
58) Ethyl Benzene	9.341	91	790793	10.241	ppbv	99
59) m/p-Xylene	9.538	91	1339639m	20.570	ppbv	
60) o-Xylene	9.950	91	669997	10.327	ppbv	99
61) Styrene	9.856	104	285291	10.497	ppbv	100
62) Isopropylbenzene	10.526	105	1002224	10.064	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	429967	9.238	ppbv	100
64) n-propylbenzene	10.979	120	267283	10.492	ppbv	100
65) tert-Butylbenzene	11.519	119	912563	10.296	ppbv	99
66) Benzyl Chloride	11.603	91	34544	10.197	ppbv	99
67) sec-Butylbenzene	11.759	105	1253016	10.131	ppbv	100
69) p-Isopropyltoluene	11.914	119	1045052	10.387	ppbv	100
70) n-Butylbenzene	12.270	91	1027696	10.608	ppbv	100
71) 2-Chlorotoluene	10.888	91	728220	10.103	ppbv	100
72) 4-Ethyltoluene	11.115	105	815476	10.561	ppbv	100
73) 1,3,5-Trimethylbenzene	11.192	105	686235	10.273	ppbv	99
74) 1,2,4-Trimethylbenzene	11.526	105	777637	10.315	ppbv	98
75) 1,3-Dichlorobenzene	11.597	146	466131	9.506	ppbv	100
76) 1,4-Dichlorobenzene	11.662	146	464723	9.940	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	447776	9.168	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	300771	8.838	ppbv	99
79) Naphthalene	13.503	128	574353	9.050	ppbv	100
80) Naphthalene,2-methyl-	14.448	142	221717	7.599	ppbv	99
81) 1,2,4-Trichlorobenzene	13.432	180	310073	10.671	ppbv	99

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

