

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082625\
 Data File : VL042886.D
 Acq On : 26 Aug 2025 15:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/27/2025
 Supervised By : Mahesh Dadoda 08/27/2025

Quant Time: Aug 27 01:12:50 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 27 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	119838	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	343725	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	293803	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 229118 10.398 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	177716	10.119	ppbv	99
3) Chlorodifluoromethane	1.476	51	206222	10.623	ppbv	99
4) Chloromethane	1.534	50	67937	9.586	ppbv	97
5) Vinyl Chloride	1.583	62	65534	9.389	ppbv	98
6) Bromomethane	1.670	94	25248	9.046	ppbv	94
7) Chloroethane	1.706	64	26522	9.730	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	146130	10.168	ppbv	96
9) Propene	1.482	41	81402	9.709	ppbv	98
10) Heptane	4.991	43	219082	9.756	ppbv	99
11) Trichlorofluoromethane	1.881	101	168646	9.732	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	2.143	101	137183	9.933	ppbv	96
13) Ethanol	1.725	45	6570	8.570	ppbv	95
14) Bromoethene	1.784	108	49308	9.862	ppbv	99
15) Acetone	1.839	43	130936	8.260	ppbv	99
16) 1,3-Butadiene	1.612	39	65151	9.066	ppbv	98
17) tert-Butyl alcohol	2.046	59	159435	8.481	ppbv	98
18) 1,1-Dichloroethene	2.036	96	61352	10.104	ppbv	94
19) Isopropyl Alcohol	1.890	45	82193	8.681	ppbv	93
20) Methylene Chloride	2.065	84	53188	8.009	ppbv	89
21) Allyl Chloride	2.101	41	107775	9.624	ppbv	97
22) trans-1,2-Dichloroethene	2.343	96	69298	9.865	ppbv	94
23) Vinyl Acetate	2.466	43	219593	10.075	ppbv	98
24) 1,1-Dichloroethane	2.415	63	136302	9.716	ppbv	98
25) Ethyl Acetate	2.842	43	390820	10.186	ppbv	98
26) Hexane	2.832	57	176610	9.973	ppbv	95
27) Carbon Disulfide	2.152	76	172568	10.013	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	83267	9.221	ppbv	92
29) Chloroform	2.855	83	266183	10.528	ppbv	99
30) Cyclohexane	3.865	84	146992	9.467	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	178570	10.095	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	262520	9.824	ppbv	98
34) 2-Butanone	2.560	43	251560	10.839	ppbv	99
35) Carbon Tetrachloride	3.771	117	262082	11.060	ppbv	100
36) Benzene	3.664	78	354386	10.767	ppbv	97
37) 1,2-Dichloroethane	3.227	62	206853	12.029	ppbv	98
38) Trichloroethene	4.557	130	149289	9.931	ppbv	94
39) 1,2-Dichloropropane	4.321	63	130948	10.893	ppbv	95
40) 1,4-Dioxane	4.590	88	56754	9.928	ppbv #	80
41) Tetrahydrofuran	3.059	42	141034	10.899	ppbv	99
42) Bromodichloromethane	4.499	83	293061	11.437	ppbv	99
43) Methyl Methacrylate	4.894	69	138129	10.187	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	598780	10.718	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	153521	10.033	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	201538	10.570	ppbv	97
47) 1,1,2-Trichloroethane	6.596	97	138328	10.861	ppbv	92
48) Dibromochloromethane	7.396	129	222764	10.808	ppbv	100
49) Bromoform	9.493	173	179757	10.576	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	339938	10.836	ppbv	98
51) 2-Hexanone	7.444	43	270675	10.965	ppbv #	96
52) Tetrachloroethene	8.237	164	108838	9.140	ppbv	95
53) Toluene	6.946	91	399323	10.205	ppbv	99
54) 1,2-Dibromoethane	7.664	107	199098	10.696	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	163380	10.753	ppbv	99
57) Chlorobenzene	8.930	112	298574	10.688	ppbv	99
58) Ethyl Benzene	9.364	91	551412	10.635	ppbv	99
59) m/p-Xylene	9.558	91	888006m	21.851	ppbv	
60) o-Xylene	9.972	91	439486	10.751	ppbv	99
61) Styrene	9.878	104	192217	10.036	ppbv	98
62) Isopropylbenzene	10.548	105	634755	10.625	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	246707	10.974	ppbv	99
64) n-propylbenzene	10.995	120	159751	10.480	ppbv	91
65) tert-Butylbenzene	11.539	119	545223	10.352	ppbv	96
66) Benzyl Chloride	11.623	91	47994	7.178	ppbv	96
67) sec-Butylbenzene	11.775	105	794868	10.752	ppbv	98
69) p-Isopropyltoluene	11.934	119	646050	10.179	ppbv	97
70) n-Butylbenzene	12.286	91	694190	11.028	ppbv	97
71) 2-Chlorotoluene	10.908	91	493514	10.638	ppbv	97
72) 4-Ethyltoluene	11.131	105	538175	10.860	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	443582	10.526	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	493535	10.669	ppbv	91
75) 1,3-Dichlorobenzene	11.613	146	283101	10.766	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	277550	10.436	ppbv	99
77) 1,2-Dichlorobenzene	11.956	146	270285	10.497	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	169181	8.016	ppbv	98
79) Naphthalene	13.520	128	431407	10.287	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	127685	8.148	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	208509	9.892	ppbv	99

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

