

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042556.D
 Acq On : 21 May 2025 08:38
 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 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 21 22:52:37 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	116311	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	380372	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	338510	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 277859 10.256 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	206034	9.472	ppbv	98
3) Chlorodifluoromethane	1.476	51	168033	9.376	ppbv	99
4) Chloromethane	1.535	50	64294	9.175	ppbv	96
5) Vinyl Chloride	1.580	62	68802	8.906	ppbv	99
6) Bromomethane	1.670	94	41919	9.432	ppbv	96
7) Chloroethane	1.706	64	28071	9.037	ppbv	93
8) Dichlorotetrafluoroethane	1.554	85	175625	9.532	ppbv	99
9) Propene	1.483	41	52727	8.466	ppbv	89
10) Heptane	4.988	43	166588	10.151	ppbv	99
11) Trichlorofluoromethane	1.878	101	205465	9.047	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	163277	8.919	ppbv	98
13) Ethanol	1.722	45	6700	7.421	ppbv	98
14) Bromoethene	1.784	108	64403	9.312	ppbv	99
15) Acetone	1.836	43	123208	7.602	ppbv	98
16) 1,3-Butadiene	1.609	39	59942	9.109	ppbv	97
17) tert-Butyl alcohol	2.043	59	167617	8.949	ppbv	99
18) 1,1-Dichloroethene	2.036	96	74008	8.945	ppbv	97
19) Isopropyl Alcohol	1.887	45	81700	8.864	ppbv	95
20) Methylene Chloride	2.065	84	61423	7.827	ppbv	97
21) Allyl Chloride	2.098	41	93833	9.038	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	83340	9.079	ppbv	96
23) Vinyl Acetate	2.467	43	148835	8.070	ppbv	99
24) 1,1-Dichloroethane	2.412	63	142736	9.067	ppbv	99
25) Ethyl Acetate	2.842	43	309863	9.889	ppbv	100
26) Hexane	2.829	57	140367	9.909	ppbv	97
27) Carbon Disulfide	2.153	76	190415	9.280	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	81938	8.584	ppbv	99
29) Chloroform	2.852	83	254110	9.485	ppbv	100
30) Cyclohexane	3.862	84	125876	10.271	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	146154	9.384	ppbv	94
32) 1,1,1-Trichloroethane	3.373	97	265521	9.698	ppbv	100
34) 2-Butanone	2.561	43	198272	9.819	ppbv	97
35) Carbon Tetrachloride	3.771	117	286575	9.854	ppbv	99
36) Benzene	3.664	78	305366	9.920	ppbv	99
37) 1,2-Dichloroethane	3.224	62	184739	9.822	ppbv	100
38) Trichloroethene	4.558	130	136329	9.704	ppbv	96
39) 1,2-Dichloropropane	4.321	63	106301	9.839	ppbv	97
40) 1,4-Dioxane	4.593	88	50173	10.382	ppbv #	98
41) Tetrahydrofuran	3.059	42	103326	10.497	ppbv	99
42) Bromodichloromethane	4.499	83	273206	10.309	ppbv	97
43) Methyl Methacrylate	4.891	69	112951	10.813	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	485551	10.285	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	141183	10.596	ppbv	100

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QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	171752	10.599	ppbv	98
47) 1,1,2-Trichloroethane	6.593	97	128756	9.948	ppbv	97
48) Dibromochloromethane	7.396	129	233076	10.406	ppbv	99
49) Bromoform	9.490	173	201858	10.559	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	262963	10.854	ppbv	100
51) 2-Hexanone	7.445	43	210670	11.790	ppbv #	98
52) Tetrachloroethene	8.234	164	117979	9.828	ppbv	98
53) Toluene	6.943	91	348485	10.591	ppbv	100
54) 1,2-Dibromoethane	7.661	107	197880	10.493	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	181241	10.042	ppbv	99
57) Chlorobenzene	8.930	112	296074	9.819	ppbv	98
58) Ethyl Benzene	9.364	91	498152	11.241	ppbv	99
59) m/p-Xylene	9.558	91	844634m	22.321	ppbv	
60) o-Xylene	9.972	91	424136	11.316	ppbv	100
61) Styrene	9.879	104	168067	11.700	ppbv	98
62) Isopropylbenzene	10.545	105	615158	10.727	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	253867	10.136	ppbv	100
64) n-propylbenzene	10.995	120	161857	11.331	ppbv	99
65) tert-Butylbenzene	11.536	119	580766	11.259	ppbv	99
66) Benzyl Chloride	11.620	91	74168	11.492	ppbv	100
67) sec-Butylbenzene	11.772	105	793523	10.898	ppbv	100
69) p-Isopropyltoluene	11.931	119	685318	11.397	ppbv	100
70) n-Butylbenzene	12.287	91	665390	11.712	ppbv	100
71) 2-Chlorotoluene	10.908	91	457701	11.090	ppbv	99
72) 4-Ethyltoluene	11.131	105	527693	11.400	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	445574	11.128	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	514358	10.653	ppbv	95
75) 1,3-Dichlorobenzene	11.613	146	307235	10.310	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	304716	10.529	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	298213	10.157	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	225583	9.302	ppbv	99
79) Naphthalene	13.517	128	464772	12.846	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	255900	13.727	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	247688	11.397	ppbv	100

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

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