

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042546.D
 Acq On : 20 May 2025 09:12
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:24:09 2025

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

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

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	120933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	411974	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	367493	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 298085 10.135 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	212032	9.376	ppbv	100
3) Chlorodifluoromethane	1.476	51	178000	9.555	ppbv	100
4) Chloromethane	1.535	50	68379	9.385	ppbv	100
5) Vinyl Chloride	1.580	62	72897	9.075	ppbv	100
6) Bromomethane	1.671	94	44344	9.596	ppbv	100
7) Chloroethane	1.706	64	30407	9.414	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	182388	9.521	ppbv	100
9) Propene	1.486	41	64322	9.933	ppbv	100
10) Heptane	4.988	43	183291	10.744	ppbv	100
11) Trichlorofluoromethane	1.878	101	222051	9.404	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	181177	9.518	ppbv	100
13) Ethanol	1.722	45	7286	7.762	ppbv	100
14) Bromoethene	1.784	108	67627	9.404	ppbv	100
15) Acetone	1.836	43	135337	8.031	ppbv	100
16) 1,3-Butadiene	1.609	39	63306	9.253	ppbv	100
17) tert-Butyl alcohol	2.043	59	193722	9.947	ppbv	100
18) 1,1-Dichloroethene	2.036	96	81674	9.495	ppbv	100
19) Isopropyl Alcohol	1.887	45	92795	9.683	ppbv	100
20) Methylene Chloride	2.062	84	69425	8.508	ppbv	100
21) Allyl Chloride	2.098	41	105332	9.758	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	92908	9.730	ppbv	100
23) Vinyl Acetate	2.467	43	197396	10.090	ppbv	100
24) 1,1-Dichloroethane	2.412	63	157576	9.628	ppbv	100
25) Ethyl Acetate	2.839	43	337411	10.357	ppbv	100
26) Hexane	2.829	57	155381	10.549	ppbv	100
27) Carbon Disulfide	2.153	76	213850	10.023	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	95511	9.623	ppbv	100
29) Chloroform	2.852	83	268571	9.642	ppbv	100
30) Cyclohexane	3.862	84	140511	11.027	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	164131	10.135	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	280218	9.844	ppbv	100
34) 2-Butanone	2.561	43	212000	9.694	ppbv	100
35) Carbon Tetrachloride	3.768	117	299447	9.536	ppbv	100
36) Benzene	3.661	78	339567	10.185	ppbv	100
37) 1,2-Dichloroethane	3.224	62	196002	9.622	ppbv	100
38) Trichloroethene	4.554	130	151528	9.959	ppbv	100
39) 1,2-Dichloropropane	4.321	63	115351	9.858	ppbv	100
40) 1,4-Dioxane	4.587	88	57112	10.849	ppbv #	98
41) Tetrahydrofuran	3.056	42	115659	10.849	ppbv	100
42) Bromodichloromethane	4.496	83	291398	10.141	ppbv	100
43) Methyl Methacrylate	4.888	69	127722	11.312	ppbv	100
44) 2,2,4-Trimethylpentane	4.645	57	536753	10.532	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	163637	11.360	ppbv	100

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QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	196277	11.227	ppbv	100
47) 1,1,2-Trichloroethane	6.590	97	137930	9.839	ppbv	100
48) Dibromochloromethane	7.393	129	252105	10.392	ppbv	100
49) Bromoform	9.490	173	218558	10.556	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	289347	11.049	ppbv	100
51) 2-Hexanone	7.441	43	228279	11.869	ppbv	100
52) Tetrachloroethene	8.231	164	128749	9.903	ppbv	100
53) Toluene	6.943	91	393948	11.054	ppbv	100
54) 1,2-Dibromoethane	7.662	107	214451	10.520	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	191773	9.788	ppbv	100
57) Chlorobenzene	8.927	112	318364	9.725	ppbv	100
58) Ethyl Benzene	9.361	91	547642	11.383	ppbv	100
59) m/p-Xylene	9.558	91	897860m	21.881	ppbv	
60) o-Xylene	9.969	91	450867	11.099	ppbv	100
61) Styrene	9.875	104	193332	12.413	ppbv	100
62) Isopropylbenzene	10.545	105	669863	10.760	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	269334	9.958	ppbv	100
64) n-propylbenzene	10.995	120	171709	11.072	ppbv	100
65) tert-Butylbenzene	11.536	119	607642	10.851	ppbv	100
66) Benzyl Chloride	11.620	91	80291	11.460	ppbv	100
67) sec-Butylbenzene	11.772	105	825238	10.440	ppbv	100
69) p-Isopropyltoluene	11.931	119	719762	11.026	ppbv	100
70) n-Butylbenzene	12.287	91	696250	11.288	ppbv	100
71) 2-Chlorotoluene	10.905	91	496987	11.092	ppbv	100
72) 4-Ethyltoluene	11.131	105	561747	11.179	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	472644	10.873	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	532134	10.152	ppbv	100
75) 1,3-Dichlorobenzene	11.613	146	321956	9.952	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	321061	10.219	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	305857	9.596	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	231291	8.785	ppbv	100
79) Naphthalene	13.517	128	490596	12.504	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	279853	13.834	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	264181	11.197	ppbv	100

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

