

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042536.D
 Acq On : 14 May 2025 10:23
 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 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:31:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	118016	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.962	114	346885	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	301246	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 262420 10.012 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	171613	8.955	ppbv	98
3) Chlorodifluoromethane	1.476	51	178542	9.142	ppbv	99
4) Chloromethane	1.535	50	70011	8.951	ppbv	94
5) Vinyl Chloride	1.580	62	64926	8.113	ppbv	99
6) Bromomethane	1.671	94	34232	9.007	ppbv	94
7) Chloroethane	1.706	64	25275	7.999	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	145026	8.795	ppbv	97
9) Propene	1.486	41	58640m	13.846	ppbv	
10) Heptane	4.985	43	167648	10.358	ppbv	100
11) Trichlorofluoromethane	1.878	101	174991	9.493	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	140590	9.496	ppbv	99
13) Ethanol	1.722	45	8187	7.187	ppbv	95
14) Bromoethene	1.784	108	49951	9.254	ppbv	99
15) Acetone	1.836	43	144309	7.586	ppbv	99
16) 1,3-Butadiene	1.609	39	76085	8.972	ppbv	97
17) tert-Butyl alcohol	2.043	59	167624	9.620	ppbv	99
18) 1,1-Dichloroethene	2.036	96	62337	9.607	ppbv	97
19) Isopropyl Alcohol	1.888	45	93610	9.138	ppbv	100
20) Methylene Chloride	2.062	84	55969	8.523	ppbv	98
21) Allyl Chloride	2.098	41	119972	9.609	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	70366	9.270	ppbv	92
23) Vinyl Acetate	2.464	43	194509	9.852	ppbv #	99
24) 1,1-Dichloroethane	2.412	63	139379	9.491	ppbv	98
25) Ethyl Acetate	2.839	43	320825	9.689	ppbv	100
26) Hexane	2.826	57	142712	10.498	ppbv	95
27) Carbon Disulfide	2.153	76	173546	9.889	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	84256	11.156	ppbv	96
29) Chloroform	2.852	83	250373	8.880	ppbv	98
30) Cyclohexane	3.862	84	117210	10.502	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	144036	9.383	ppbv	94
32) 1,1,1-Trichloroethane	3.370	97	255645	8.787	ppbv	97
34) 2-Butanone	2.557	43	198101	8.664	ppbv	100
35) Carbon Tetrachloride	3.765	117	279020	8.947	ppbv	98
36) Benzene	3.661	78	292705	9.521	ppbv	99
37) 1,2-Dichloroethane	3.221	62	194846	8.885	ppbv	99
38) Trichloroethene	4.551	130	121523	9.092	ppbv	98
39) 1,2-Dichloropropane	4.318	63	102683	8.967	ppbv	94
40) 1,4-Dioxane	4.584	88	45600	9.810	ppbv #	90
41) Tetrahydrofuran	3.056	42	103053	10.412	ppbv	99
42) Bromodichloromethane	4.493	83	268737	9.183	ppbv	94
43) Methyl Methacrylate	4.888	69	107482m	10.440	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	482249	9.900	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	135101	10.271	ppbv	96

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	162473	10.268	ppbv	94
47) 1,1,2-Trichloroethane	6.587	97	121339	8.999	ppbv	97
48) Dibromochloromethane	7.393	129	214390	9.523	ppbv	98
49) Bromoform	9.487	173	180872	9.790	ppbv	99
50) 4-Methyl-2-Pentanone	5.759	43	277297	10.326	ppbv	99
51) 2-Hexanone	7.442	43	226925	11.360	ppbv #	99
52) Tetrachloroethene	8.231	164	105432	8.964	ppbv	97
53) Toluene	6.940	91	324628	10.761	ppbv	99
54) 1,2-Dibromoethane	7.655	107	182645	9.275	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	166298	8.904	ppbv	98
57) Chlorobenzene	8.927	112	271874	8.989	ppbv	96
58) Ethyl Benzene	9.361	91	470778	11.466	ppbv	90
59) m/p-Xylene	9.558	91	796362m	21.838	ppbv	
60) o-Xylene	9.966	91	400752	11.253	ppbv	99
61) Styrene	9.876	104	155757	11.809	ppbv	99
62) Isopropylbenzene	10.542	105	582836	10.866	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	247714	8.570	ppbv	100
64) n-propylbenzene	10.992	120	149494	10.978	ppbv	97
65) tert-Butylbenzene	11.536	119	531415	10.790	ppbv	100
66) Benzyl Chloride	11.620	91	68005	10.391	ppbv	97
67) sec-Butylbenzene	11.772	105	733701	10.390	ppbv	100
69) p-Isopropyltoluene	11.928	119	641428	11.049	ppbv	100
70) n-Butylbenzene	12.284	91	637479	11.113	ppbv	99
71) 2-Chlorotoluene	10.905	91	449790	11.075	ppbv	99
72) 4-Ethyltoluene	11.128	105	497072	11.252	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	417484	10.849	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	474163	10.016	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	280626	9.464	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	280915	9.958	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	272842	8.908	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	225532	8.588	ppbv	99
79) Naphthalene	13.517	128	441576	13.459	ppbv	96
80) Naphthalene,2-methyl-	14.459	142	275041	14.525	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	227198	11.385	ppbv	99

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

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