

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042692.D
 Acq On : 02 Jul 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:27:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	120056	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	305088	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	264493	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 204100 10.032 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6761	0.538	ppbv	93
3) Chlorodifluoromethane	1.479	51	9970	0.531	ppbv	100
4) Chloromethane	1.534	50	2488	0.505	ppbv	94
5) Vinyl Chloride	1.583	62	2367	0.478	ppbv	97
6) Bromomethane	1.670	94	1373	0.620	ppbv	87
7) Chloroethane	1.709	64	1065	0.560	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	6025	0.579	ppbv	94
9) Propene	1.486	41	3647	0.519	ppbv	100
10) Heptane	4.988	43	7941m	0.416	ppbv	
11) Trichlorofluoromethane	1.881	101	6942	0.524	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	5694	0.543	ppbv	98
13) Ethanol	1.725	45	413	0.618	ppbv #	37
14) Bromoethene	1.784	108	1985	0.543	ppbv #	89
15) Acetone	1.839	43	7388	0.620	ppbv	95
16) 1,3-Butadiene	1.609	39	3229	0.588	ppbv	93
17) tert-Butyl alcohol	2.046	59	6335	0.545	ppbv	94
18) 1,1-Dichloroethene	2.036	96	2642	0.567	ppbv #	91
19) Isopropyl Alcohol	1.890	45	3920	0.573	ppbv #	1
20) Methylene Chloride	2.065	84	3034	0.666	ppbv	95
21) Allyl Chloride	2.098	41	4410	0.531	ppbv	90
22) trans-1,2-Dichloroethene	2.344	96	2772m	0.546	ppbv	
23) Vinyl Acetate	2.463	43	8636	0.448	ppbv #	90
24) 1,1-Dichloroethane	2.415	63	5666	0.540	ppbv #	95
25) Ethyl Acetate	2.845	43	17395	0.483	ppbv	99
26) Hexane	2.832	57	6861	0.457	ppbv	90
27) Carbon Disulfide	2.153	76	6363	0.519	ppbv #	30
28) Methyl tert-Butyl Ether	2.444	73	2957	0.481	ppbv #	89
29) Chloroform	2.855	83	11910	0.525	ppbv	97
30) Cyclohexane	3.858	84	4837m	0.426	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	6768	0.473	ppbv	89
32) 1,1,1-Trichloroethane	3.373	97	10729	0.495	ppbv	96
34) 2-Butanone	2.567	43	11862	0.491	ppbv	98
35) Carbon Tetrachloride	3.768	117	10262	0.485	ppbv #	86
36) Benzene	3.661	78	15039	0.489	ppbv	97
37) 1,2-Dichloroethane	3.224	62	8660	0.530	ppbv	99
38) Trichloroethene	4.561	130	6153	0.463	ppbv	94
39) 1,2-Dichloropropane	4.318	63	6453m	0.538	ppbv	
40) 1,4-Dioxane	4.609	88	2287m	0.496	ppbv	
41) Tetrahydrofuran	3.069	42	5513	0.448	ppbv	98
42) Bromodichloromethane	4.496	83	11914m	0.515	ppbv	
43) Methyl Methacrylate	4.891	69	3578m	0.362	ppbv	
44) 2,2,4-Trimethylpentane	4.654	57	23040m	0.449	ppbv	
45) t-1,3-Dichloropropene	6.438	75	4215m	0.406	ppbv	

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QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	6399m	0.447	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	5730m	0.485	ppbv	
48) Dibromochloromethane	7.393	129	8686	0.480	ppbv	93
49) Bromoform	9.490	173	7390	0.473	ppbv	97
50) 4-Methyl-2-Pentanone	5.778	43	12481m	0.442	ppbv	
51) 2-Hexanone	7.457	43	7501m	0.364	ppbv	
52) Tetrachloroethene	8.234	164	4943m	0.479	ppbv	
53) Toluene	6.940	91	11461	0.399	ppbv	100
54) 1,2-Dibromoethane	7.661	107	8096	0.491	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	7670	0.536	ppbv #	1
57) Chlorobenzene	8.927	112	13987	0.527	ppbv	90
58) Ethyl Benzene	9.364	91	15248	0.399	ppbv	97
59) m/p-Xylene	9.558	91	24797m	0.774	ppbv	
60) o-Xylene	9.969	91	11759	0.373	ppbv	100
61) Styrene	9.875	104	4504	0.364	ppbv	99
62) Isopropylbenzene	10.545	105	20205	0.425	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	12230	0.504	ppbv	97
64) n-propylbenzene	10.995	120	4354	0.358	ppbv	79
65) tert-Butylbenzene	11.536	119	15561	0.382	ppbv	98
66) Benzyl Chloride	11.617	91	1543	0.391	ppbv #	83
67) sec-Butylbenzene	11.778	105	26399	0.423	ppbv	98
69) p-Isopropyltoluene	11.930	119	19758	0.398	ppbv	98
70) n-Butylbenzene	12.287	91	18308	0.366	ppbv	93
71) 2-Chlorotoluene	10.908	91	14226	0.404	ppbv	99
72) 4-Ethyltoluene	11.131	105	14541	0.378	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	12371	0.382	ppbv	94
74) 1,2,4-Trimethylbenzene	11.545	105	14096	0.381	ppbv #	83
75) 1,3-Dichlorobenzene	11.613	146	12551	0.484	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	11188	0.454	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	13512	0.515	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	11034	0.540	ppbv	97
79) Naphthalene	13.520	128	8668	0.283	ppbv #	94
80) Naphthalene,2-methyl-	14.462	142	2536	0.198	ppbv	85
81) 1,2,4-Trichlorobenzene	13.445	180	5818	0.323	ppbv	94

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

