

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042690.D
 Acq On : 02 Jul 2025 08:56
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Jul 03 01:25:48 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	2.794	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	312860	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	271598	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 211854 10.141 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	26783	2.131	ppbv	97
3) Chlorodifluoromethane	1.480	51	38872	2.069	ppbv	100
4) Chloromethane	1.535	50	10573	2.145	ppbv	89
5) Vinyl Chloride	1.583	62	9733	1.965	ppbv	99
6) Bromomethane	1.671	94	4273	1.931	ppbv	97
7) Chloroethane	1.706	64	4013	2.110	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	21841	2.098	ppbv	100
9) Propene	1.486	41	15391	2.189	ppbv	95
10) Heptane	4.995	43	40605m	2.128	ppbv	
11) Trichlorofluoromethane	1.881	101	28523	2.153	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	21456	2.046	ppbv	95
13) Ethanol	1.726	45	1757	2.630	ppbv	95
14) Bromoethene	1.784	108	7746	2.119	ppbv #	96
15) Acetone	1.839	43	25238	2.120	ppbv	97
16) 1,3-Butadiene	1.612	39	11117	2.026	ppbv	99
17) tert-Butyl alcohol	2.046	59	23997	2.066	ppbv	97
18) 1,1-Dichloroethene	2.040	96	10032	2.153	ppbv	94
19) Isopropyl Alcohol	1.891	45	14705	2.149	ppbv #	1
20) Methylene Chloride	2.066	84	9338	2.051	ppbv	97
21) Allyl Chloride	2.101	41	17280	2.081	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	11093	2.186	ppbv	94
23) Vinyl Acetate	2.467	43	39372	2.044	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	21916	2.089	ppbv	99
25) Ethyl Acetate	2.842	43	77767	2.159	ppbv	100
26) Hexane	2.833	57	32281	2.148	ppbv	98
27) Carbon Disulfide	2.156	76	25545	2.085	ppbv #	85
28) Methyl tert-Butyl Ether	2.451	73	14297	2.326	ppbv	100
29) Chloroform	2.855	83	48759	2.148	ppbv	92
30) Cyclohexane	3.872	84	24389	2.148	ppbv	95
31) cis-1,2-Dichloroethene	2.729	61	29632	2.072	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	41283	1.903	ppbv	98
34) 2-Butanone	2.564	43	51845	2.094	ppbv	97
35) Carbon Tetrachloride	3.771	117	41742	1.924	ppbv	94
36) Benzene	3.664	78	64694	2.052	ppbv	98
37) 1,2-Dichloroethane	3.224	62	33990	2.030	ppbv	97
38) Trichloroethene	4.561	130	27249	2.000	ppbv	89
39) 1,2-Dichloropropane	4.321	63	25320	2.058	ppbv #	84
40) 1,4-Dioxane	4.600	88	9321m	1.972	ppbv	
41) Tetrahydrofuran	3.066	42	25677	2.035	ppbv	97
42) Bromodichloromethane	4.499	83	48408	2.041	ppbv	96
43) Methyl Methacrylate	4.898	69	20355	2.010	ppbv	97
44) 2,2,4-Trimethylpentane	4.652	57	112040	2.129	ppbv	98
45) t-1,3-Dichloropropene	6.432	75	20979m	1.971	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	29059m	1.979	ppbv	
47) 1,1,2-Trichloroethane	6.597	97	24877m	2.054	ppbv	
48) Dibromochloromethane	7.396	129	38842	2.094	ppbv	99
49) Bromoform	9.494	173	32624	2.037	ppbv	98
50) 4-Methyl-2-Pentanone	5.771	43	58107	2.008	ppbv	99
51) 2-Hexanone	7.451	43	42828	2.026	ppbv #	99
52) Tetrachloroethene	8.238	164	21125	1.997	ppbv	92
53) Toluene	6.950	91	59500	2.021	ppbv	100
54) 1,2-Dibromoethane	7.668	107	34397	2.035	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.937	131	30008	2.043	ppbv	94
57) Chlorobenzene	8.930	112	57600	2.114	ppbv #	92
58) Ethyl Benzene	9.367	91	82202	2.093	ppbv	98
59) m/p-Xylene	9.562	91	142254m	4.322	ppbv	
60) o-Xylene	9.973	91	71539	2.211	ppbv	95
61) Styrene	9.882	104	25203	1.982	ppbv	98
62) Isopropylbenzene	10.549	105	106122	2.172	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.973	83	51423	2.063	ppbv	99
64) n-propylbenzene	10.995	120	27567	2.204	ppbv	91
65) tert-Butylbenzene	11.539	119	96905	2.318	ppbv	98
66) Benzyl Chloride	11.623	91	8222	2.030	ppbv	99
67) sec-Butylbenzene	11.775	105	144413	2.255	ppbv	99
69) p-Isopropyltoluene	11.934	119	116378	2.283	ppbv	100
70) n-Butylbenzene	12.287	91	119746	2.332	ppbv	98
71) 2-Chlorotoluene	10.911	91	76582	2.119	ppbv	99
72) 4-Ethyltoluene	11.135	105	87315	2.211	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	73219	2.199	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	87853	2.313	ppbv	97
75) 1,3-Dichlorobenzene	11.614	146	56931	2.136	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	54426	2.152	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	59993	2.229	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	49131	2.343	ppbv	100
79) Naphthalene	13.520	128	89795	2.852	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	31532	2.395	ppbv	98
81) 1,2,4-Trichlorobenzene	13.446	180	46047	2.493	ppbv	100

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

