

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043020.D
 Acq On : 30 Sep 2025 10:12
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/01/2025
 Supervised By :Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 23:56:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M

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

QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	146750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	467066	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	412312	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 314208 10.060 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	26757	1.054	ppbv	98
3) Chlorodifluoromethane	1.476	51	28093	1.039	ppbv	100
4) Chloromethane	1.534	50	10440	1.083	ppbv	96
5) Vinyl Chloride	1.580	62	8975	0.960	ppbv	98
6) Bromomethane	1.667	94	3455	1.023	ppbv #	68
7) Chloroethane	1.706	64	4001	1.072	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	21830	1.054	ppbv	99
9) Propene	1.483	41	11234	1.068	ppbv	99
10) Heptane	4.975	43	26789m	0.987	ppbv	
11) Trichlorofluoromethane	1.878	101	27264	1.065	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	21379	1.054	ppbv	99
13) Ethanol	1.722	45	1822	1.327	ppbv	79
14) Bromoethene	1.784	108	7864	1.040	ppbv #	94
15) Acetone	1.835	43	22507	1.076	ppbv	97
16) 1,3-Butadiene	1.609	39	9344	1.055	ppbv	97
17) tert-Butyl alcohol	2.043	59	24181	1.034	ppbv	96
18) 1,1-Dichloroethene	2.036	96	9772	1.071	ppbv	97
19) Isopropyl Alcohol	1.887	45	13101	1.065	ppbv #	86
20) Methylene Chloride	2.062	84	14328	1.163	ppbv	97
21) Allyl Chloride	2.098	41	14338	1.013	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	10601	1.027	ppbv	86
23) Vinyl Acetate	2.463	43	24915	0.862	ppbv #	95
24) 1,1-Dichloroethane	2.412	63	20384	1.049	ppbv	97
25) Ethyl Acetate	2.836	43	57736	1.082	ppbv	99
26) Hexane	2.829	57	31198	1.124	ppbv	87
27) Carbon Disulfide	2.149	76	24969	1.023	ppbv #	42
28) Methyl tert-Butyl Ether	2.441	73	12672	0.932	ppbv	95
29) Chloroform	2.849	83	35818	1.037	ppbv	98
30) Cyclohexane	3.858	84	19501	1.020	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	22888	1.015	ppbv	99
32) 1,1,1-Trichloroethane	3.370	97	34623	0.989	ppbv	100
34) 2-Butanone	2.557	43	33074	1.006	ppbv	98
35) Carbon Tetrachloride	3.765	117	35487	0.936	ppbv	98
36) Benzene	3.658	78	46683	0.997	ppbv	98
37) 1,2-Dichloroethane	3.217	62	26709	0.999	ppbv	100
38) Trichloroethene	4.548	130	23375	0.974	ppbv	97
39) 1,2-Dichloropropane	4.315	63	17326	1.008	ppbv	91
40) 1,4-Dioxane	4.593	88	6639	0.911	ppbv #	81
41) Tetrahydrofuran	3.059	42	16682	0.953	ppbv	98
42) Bromodichloromethane	4.489	83	37418	1.007	ppbv	93
43) Methyl Methacrylate	4.881	69	15662	0.952	ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	77716	1.009	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	17070	0.913	ppbv	98

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QLast Update : Tue Sep 30 23:54:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	22650m	0.928	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	18473m	1.013	ppbv	
48) Dibromochloromethane	7.390	129	30692m	0.977	ppbv	
49) Bromoform	9.484	173	25561	0.958	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	39729	0.947	ppbv	97
51) 2-Hexanone	7.445	43	26169	0.846	ppbv #	97
52) Tetrachloroethene	8.225	164	18311	0.981	ppbv	97
53) Toluene	6.936	91	50386	0.965	ppbv	98
54) 1,2-Dibromoethane	7.658	107	25098m	0.986	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.927	131	24344	1.042	ppbv	97
57) Chlorobenzene	8.924	112	44607	1.049	ppbv #	95
58) Ethyl Benzene	9.354	91	66643	0.954	ppbv	99
59) m/p-Xylene	9.552	91	111334m	1.980	ppbv	
60) o-Xylene	9.963	91	54145	0.969	ppbv	100
61) Styrene	9.872	104	21591	0.913	ppbv	98
62) Isopropylbenzene	10.539	105	82087	0.986	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	31513	1.051	ppbv	99
64) n-propylbenzene	10.989	120	20727	0.956	ppbv	92
65) tert-Butylbenzene	11.532	119	74920	0.994	ppbv	99
66) Benzyl Chloride	11.613	91	5045	0.839	ppbv #	97
67) sec-Butylbenzene	11.765	105	105012	0.999	ppbv	100
69) p-Isopropyltoluene	11.927	119	86978	0.994	ppbv	99
70) n-Butylbenzene	12.283	91	81356	0.962	ppbv	98
71) 2-Chlorotoluene	10.901	91	60194	0.970	ppbv	100
72) 4-Ethyltoluene	11.125	105	65710	0.956	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	56639	0.977	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	66257	1.013	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	42796	1.024	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	40651	0.995	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	42607	1.044	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	35162	1.077	ppbv	99
79) Naphthalene	13.513	128	49819	0.965	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	9235	0.691	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	28977	0.926	ppbv	99

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

