

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042526.D
 Acq On : 12 May 2025 09:33
 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 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:46:08 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 : Mon May 12 23:42:45 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.778	49	112966	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	322544	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	280550	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.368	95	241358	9.887	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%

Target Compounds

						Qvalue
7) Chloroethane	1.697	64	1199m	0.398	ppbv	
9) Propene	1.496	41	284m	0.070	ppbv	
10) Heptane	4.966	43	30573	1.975	ppbv	100
11) Trichlorofluoromethane	1.868	101	22463	1.273	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.134	101	28064	1.980	ppbv	95
13) Ethanol	1.716	45	2046	1.846	ppbv #	51
15) Acetone	1.833	43	36764	2.037	ppbv	97
16) 1,3-Butadiene	1.583	39	267	0.033	ppbv #	44
17) tert-Butyl alcohol	2.036	59	31202	1.871	ppbv	96
18) 1,1-Dichloroethene	2.027	96	12780	2.058	ppbv	94
19) Isopropyl Alcohol	1.881	45	18697	1.907	ppbv #	98
20) Methylene Chloride	2.056	84	11090	1.764	ppbv	96
21) Allyl Chloride	2.091	41	23586	1.974	ppbv #	78
22) trans-1,2-Dichloroethene	2.331	96	14116	1.943	ppbv	86
23) Vinyl Acetate	2.457	43	31189	1.650	ppbv #	95
24) 1,1-Dichloroethane	2.402	63	27904	1.985	ppbv	98
25) Ethyl Acetate	2.829	43	62897	1.984	ppbv #	97
26) Hexane	2.817	57	26559	2.041	ppbv	96
27) Carbon Disulfide	2.140	76	4850	0.289	ppbv #	1
28) Methyl tert-Butyl Ether	2.435	73	14506	2.007	ppbv	96
29) Chloroform	2.842	83	53440	1.980	ppbv	94
30) Cyclohexane	3.849	84	21741	2.035	ppbv	95
31) cis-1,2-Dichloroethene	2.713	61	27706	1.886	ppbv	96
32) 1,1,1-Trichloroethane	3.357	97	52233	1.919	ppbv	97
34) 2-Butanone	2.554	43	43134	2.029	ppbv	96
35) Carbon Tetrachloride	3.752	117	55274	1.906	ppbv	94
36) Benzene	3.645	78	58586	2.050	ppbv	96
37) 1,2-Dichloroethane	3.211	62	39319	1.928	ppbv	99
38) Trichloroethene	4.538	130	23828	1.951	ppbv	92
39) 1,2-Dichloropropane	4.302	63	20752	1.950	ppbv #	76
40) 1,4-Dioxane	4.587	88	8270m	1.950	ppbv	
41) Tetrahydrofuran	3.053	42	18370	2.003	ppbv	98
42) Bromodichloromethane	4.480	83	55363	2.038	ppbv	90
43) Methyl Methacrylate	4.878	69	18530	1.941	ppbv	95
44) 2,2,4-Trimethylpentane	4.626	57	90191	2.009	ppbv	97
45) t-1,3-Dichloropropene	6.399	75	23004m	1.887	ppbv	
46) cis-1,3-Dichloropropene	5.590	75	28582m	1.944	ppbv	
47) 1,1,2-Trichloroethane	6.568	97	24759	1.976	ppbv #	88
48) Dibromochloromethane	7.377	129	41867	2.000	ppbv	100
49) Bromoform	9.478	173	33801	1.968	ppbv	98
50) 4-Methyl-2-Pentanone	5.749	43	50310m	2.018	ppbv	
51) 2-Hexanone	7.432	43	36951	1.994	ppbv #	97
52) Tetrachloroethene	8.212	164	20417	1.854	ppbv	95

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QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) Toluene	6.924	91	53508	1.908	ppbv	96
54) 1,2-Dibromoethane	7.642	107	35440	1.936	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.914	131	33789	1.943	ppbv	98
57) Chlorobenzene	8.911	112	54542	1.936	ppbv #	92
58) Ethyl Benzene	9.348	91	73830	1.931	ppbv	96
59) m/p-Xylene	9.542	91	141720m	4.166	ppbv	
60) o-Xylene	9.957	91	69105	2.085	ppbv	98
61) Styrene	9.863	104	21989	1.801	ppbv	96
62) Isopropylbenzene	10.533	105	100391	2.010	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.957	83	51679	1.944	ppbv	97
64) n-propylbenzene	10.983	120	25847	2.042	ppbv	86
65) tert-Butylbenzene	11.526	119	99543	2.170	ppbv	96
66) Benzyl Chloride	11.607	91	11099	1.829	ppbv	96
67) sec-Butylbenzene	11.763	105	141237	2.148	ppbv	99
69) p-Isopropyltoluene	11.921	119	117152	2.167	ppbv	100
70) n-Butylbenzene	12.277	91	118263	2.214	ppbv	97
71) 2-Chlorotoluene	10.895	91	75933	2.008	ppbv	98
72) 4-Ethyltoluene	11.118	105	84650	2.057	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	77135	2.152	ppbv	98
74) 1,2,4-Trimethylbenzene	11.533	105	100144	2.271	ppbv #	89
75) 1,3-Dichlorobenzene	11.601	146	55802	2.021	ppbv	96
76) 1,4-Dichlorobenzene	11.665	146	54323	2.068	ppbv	98
77) 1,2-Dichlorobenzene	11.941	146	55926	1.961	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	52757	2.157	ppbv	98
79) Naphthalene	13.510	128	77440	2.544	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	35955	2.030	ppbv	95
81) 1,2,4-Trichlorobenzene	13.436	180	42643	2.294	ppbv	97

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

