

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041837.D
 Acq On : 07 Jan 2025 08:48
 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 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

Quant Time: Jan 08 01:19:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	95155	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	223631	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	186235	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 160501 10.062 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8262	0.529	ppbv	98
3) Chlorodifluoromethane	1.480	51	7531	0.505	ppbv	100
4) Chloromethane	1.538	50	3336	0.520	ppbv	99
5) Vinyl Chloride	1.587	62	2939	0.454	ppbv	96
6) Bromomethane	1.671	94	1459	0.526	ppbv	96
7) Chloroethane	1.710	64	1302	0.522	ppbv	100
8) Dichlorotetrafluoroethane	1.561	85	7015	0.521	ppbv	98
9) Propene	1.489	41	2286	0.440	ppbv	89
10) Heptane	5.008	43	4403m	0.343	ppbv	
11) Trichlorofluoromethane	1.884	101	7790	0.491	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	5937	0.502	ppbv	99
13) Ethanol	1.729	45	595	0.997	ppbv	88
14) Bromoethene	1.790	108	1692	0.437	ppbv #	67
15) Acetone	1.845	43	9962	0.569	ppbv	91
16) 1,3-Butadiene	1.616	39	3790	0.552	ppbv #	83
17) tert-Butyl alcohol	2.053	59	7630	0.503	ppbv	99
18) 1,1-Dichloroethene	2.043	96	2684	0.542	ppbv	95
19) Isopropyl Alcohol	1.897	45	4104	0.499	ppbv #	96
20) Methylene Chloride	2.069	84	3205	0.640	ppbv #	94
21) Allyl Chloride	2.108	41	4552	0.504	ppbv	89
22) trans-1,2-Dichloroethene	2.350	96	2688	0.486	ppbv	79
23) Vinyl Acetate	2.473	43	2750	0.489	ppbv #	73
24) 1,1-Dichloroethane	2.418	63	6156	0.508	ppbv #	95
25) Ethyl Acetate	2.855	43	12162	0.414	ppbv #	96
26) Hexane	2.842	57	3899	0.382	ppbv #	73
27) Carbon Disulfide	2.159	76	4188	0.433	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	3792	0.493	ppbv	99
29) Chloroform	2.862	83	9345	0.493	ppbv	92
30) Cyclohexane	3.872	84	2405m	0.311	ppbv	
31) cis-1,2-Dichloroethene	2.732	61	4510	0.430	ppbv	96
32) 1,1,1-Trichloroethane	3.383	97	7876	0.459	ppbv	95
34) 2-Butanone	2.577	43	7755	0.440	ppbv	95
35) Carbon Tetrachloride	3.784	117	8164	0.483	ppbv	88
36) Benzene	3.677	78	9013	0.422	ppbv	96
37) 1,2-Dichloroethane	3.234	62	6912	0.492	ppbv	100
38) Trichloroethene	4.574	130	3460m	0.413	ppbv	
39) 1,2-Dichloropropane	4.334	63	4294m	0.520	ppbv	
40) 1,4-Dioxane	4.635	88	1115m	0.348	ppbv	
41) Tetrahydrofuran	3.082	42	3192	0.384	ppbv	90
42) Bromodichloromethane	4.516	83	7779m	0.472	ppbv	
43) Methyl Methacrylate	4.917	69	2283m	0.340	ppbv	
44) 2,2,4-Trimethylpentane	4.668	57	12798m	0.364	ppbv	
45) t-1,3-Dichloropropene	6.448	75	2629	0.401	ppbv #	86

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	3545m	0.411	ppbv	
47) 1,1,2-Trichloroethane	6.616	97	3957m	0.453	ppbv	
48) Dibromochloromethane	7.412	129	4777m	0.429	ppbv	
49) Bromoform	9.500	173	3642	0.408	ppbv	97
50) 4-Methyl-2-Pentanone	5.807	43	7227m	0.355	ppbv	
51) 2-Hexanone	7.471	43	4580m	0.297	ppbv	
52) Tetrachloroethene	8.244	164	3228m	0.510	ppbv	
53) Toluene	6.966	91	6324m	0.332	ppbv	
54) 1,2-Dibromoethane	7.678	107	4936	0.461	ppbv #	75
56) 1,1,1,2-Tetrachloroethane	8.943	131	5258	0.495	ppbv #	1
57) Chlorobenzene	8.940	112	9903	0.509	ppbv #	85
58) Ethyl Benzene	9.374	91	7921	0.312	ppbv	99
59) m/p-Xylene	9.568	91	13299m	0.593	ppbv	
60) o-Xylene	9.986	91	6160	0.283	ppbv	97
61) Styrene	9.895	104	2670m	0.316	ppbv	
62) Isopropylbenzene	10.558	105	11291	0.330	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.982	83	9136	0.478	ppbv	96
64) n-propylbenzene	11.008	120	2671	0.304	ppbv	98
65) tert-Butylbenzene	11.552	119	8701	0.282	ppbv	97
66) Benzyl Chloride	11.633	91	1132	0.439	ppbv #	87
67) sec-Butylbenzene	11.785	105	12985	0.288	ppbv	99
69) p-Isopropyltoluene	11.941	119	10032	0.284	ppbv	95
70) n-Butylbenzene	12.297	91	9747	0.274	ppbv	99
71) 2-Chlorotoluene	10.918	91	8206	0.330	ppbv	100
72) 4-Ethyltoluene	11.141	105	7403	0.281	ppbv	98
73) 1,3,5-Trimethylbenzene	11.219	105	6330	0.274	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	7641	0.286	ppbv #	88
75) 1,3-Dichlorobenzene	11.623	146	7551	0.422	ppbv	100
76) 1,4-Dichlorobenzene	11.688	146	6728	0.391	ppbv	98
77) 1,2-Dichlorobenzene	11.963	146	7641	0.410	ppbv	97
78) Hexachloro-1,3-Butadiene	13.899	225	5579	0.421	ppbv	99
79) Naphthalene	13.530	128	4739	0.241	ppbv #	96
80) Naphthalene,2-methyl-	14.475	142	1462	0.201	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	3607	0.330	ppbv	95

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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Response via : Initial Calibration

