

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 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 :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:33:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	143127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	429322	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	397287	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 320213 9.411 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	12809	0.545	ppbv	97
3) Chlorodifluoromethane	1.483	51	14172	0.632	ppbv	98
4) Chloromethane	1.541	50	4728	0.490	ppbv #	79
5) Vinyl Chloride	1.589	62	4803	0.493	ppbv	97
6) Bromomethane	1.674	94	2791	0.669	ppbv #	81
7) Chloroethane	1.716	64	2059	0.549	ppbv	94
8) Dichlorotetrafluoroethane	1.564	85	10699	0.528	ppbv	93
9) Propene	1.489	41	6731	0.862	ppbv	90
10) Heptane	5.011	43	17661m	0.915	ppbv	
11) Trichlorofluoromethane	1.887	101	13013	0.545	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.153	101	10592	0.596	ppbv	90
13) Ethanol	1.732	45	533m	0.600	ppbv	
14) Bromoethene	1.790	108	3822	0.656	ppbv #	90
15) Acetone	1.848	43	15259	0.579	ppbv #	83
16) 1,3-Butadiene	1.619	39	7024	0.680	ppbv	98
17) tert-Butyl alcohol	2.056	59	14992	0.657	ppbv #	93
18) 1,1-Dichloroethene	2.046	96	4883	0.656	ppbv #	88
19) Isopropyl Alcohol	1.900	45	7509	0.607	ppbv #	95
20) Methylene Chloride	2.075	84	4849	0.644	ppbv	96
21) Allyl Chloride	2.107	41	8675	0.639	ppbv #	91
22) trans-1,2-Dichloroethene	2.357	96	5632	0.677	ppbv	83
23) Vinyl Acetate	2.473	43	5348m	0.633	ppbv	
24) 1,1-Dichloroethane	2.421	63	10611	0.583	ppbv	98
25) Ethyl Acetate	2.855	43	31455	0.712	ppbv #	97
26) Hexane	2.845	57	13451	0.877	ppbv	86
27) Carbon Disulfide	2.162	76	12466	0.856	ppbv #	62
28) Methyl tert-Butyl Ether	2.460	73	10251	0.887	ppbv #	79
29) Chloroform	2.865	83	18316	0.643	ppbv	93
30) Cyclohexane	3.884	84	11047m	0.949	ppbv	
31) cis-1,2-Dichloroethene	2.735	61	13045	0.826	ppbv	90
32) 1,1,1-Trichloroethane	3.389	97	17819	0.690	ppbv	95
34) 2-Butanone	2.577	43	19019	0.562	ppbv	96
35) Carbon Tetrachloride	3.787	117	15737	0.485	ppbv	96
36) Benzene	3.680	78	25621	0.625	ppbv #	92
37) 1,2-Dichloroethane	3.237	62	14429	0.535	ppbv #	90
38) Trichloroethene	4.577	130	10721m	0.667	ppbv	
39) 1,2-Dichloropropane	4.350	63	9384m	0.591	ppbv	
40) 1,4-Dioxane	4.638	88	4958m	0.806	ppbv	
41) Tetrahydrofuran	3.085	42	11404	0.715	ppbv #	92
42) Bromodichloromethane	4.525	83	18000	0.569	ppbv #	97
43) Methyl Methacrylate	4.923	69	10965m	0.851	ppbv	
44) 2,2,4-Trimethylpentane	4.668	57	44153m	0.653	ppbv	
45) t-1,3-Dichloropropene	6.451	75	10609	0.844	ppbv #	88

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.642	75	13758	0.832	ppbv	89
47) 1,1,2-Trichloroethane	6.626	97	9885m	0.589	ppbv	
48) Dibromochloromethane	7.419	129	13671	0.640	ppbv	99
49) Bromoform	9.510	173	11202	0.654	ppbv	98
50) 4-Methyl-2-Pentanone	5.810	43	26751m	0.685	ppbv	
51) 2-Hexanone	7.480	43	22189	0.750	ppbv #	90
52) Tetrachloroethene	8.254	164	9543	0.785	ppbv #	88
53) Toluene	6.966	91	30969	0.847	ppbv	98
54) 1,2-Dibromoethane	7.684	107	13281	0.646	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.950	131	12299	0.543	ppbv	92
57) Chlorobenzene	8.946	112	23264	0.560	ppbv #	95
58) Ethyl Benzene	9.380	91	41863	0.773	ppbv	90
59) m/p-Xylene	9.555	91	66716m	1.396	ppbv	
60) o-Xylene	9.985	91	34021	0.732	ppbv	99
61) Styrene	9.891	104	16798	0.931	ppbv	99
62) Isopropylbenzene	10.558	105	50575	0.692	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	20172	0.495	ppbv	97
64) n-propylbenzene	11.008	120	13351	0.712	ppbv	96
65) tert-Butylbenzene	11.552	119	46079	0.700	ppbv	97
66) Benzyl Chloride	11.633	91	4858	0.883	ppbv	99
67) sec-Butylbenzene	11.788	105	65001	0.677	ppbv	96
69) p-Isopropyltoluene	11.944	119	53789	0.713	ppbv	99
70) n-Butylbenzene	12.300	91	55556	0.733	ppbv	99
71) 2-Chlorotoluene	10.921	91	40116	0.757	ppbv	99
72) 4-Ethyltoluene	11.144	105	40352	0.718	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	34365	0.698	ppbv	92
74) 1,2,4-Trimethylbenzene	11.555	105	37910	0.665	ppbv #	82
75) 1,3-Dichlorobenzene	11.626	146	23642	0.619	ppbv	95
76) 1,4-Dichlorobenzene	11.691	146	23242	0.633	ppbv	98
77) 1,2-Dichlorobenzene	11.966	146	22337	0.561	ppbv	99
78) Hexachloro-1,3-Butadiene	13.902	225	19853	0.703	ppbv	97
79) Naphthalene	13.533	128	42331	1.007	ppbv #	95
80) Naphthalene,2-methyl-	14.478	142	23524	1.513	ppbv	96
81) 1,2,4-Trichlorobenzene	13.458	180	19980	0.858	ppbv	97

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

