

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 09 15:38:18 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Thu Jan 09 15:10:07 2025

Response via : Initial Calibration

Manual Integrations APPROVED

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

01/10/2025
 Supervised By : Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	2.800	49	133443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	399044	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	363459	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 291470 10.001 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	213962	9.767	ppbv	99
3) Chlorodifluoromethane	1.479	51	225635	9.377	ppbv	100
4) Chloromethane	1.538	50	80251	9.424	ppbv	97
5) Vinyl Chloride	1.586	62	79865	8.819	ppbv	99
6) Bromomethane	1.674	94	37306	8.740	ppbv	98
7) Chloroethane	1.709	64	31703	9.031	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	181663	9.538	ppbv	94
9) Propene	1.489	41	99446	8.857	ppbv	99
10) Heptane	5.004	43	273051	9.222	ppbv	95
11) Trichlorofluoromethane	1.884	101	215460	9.569	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	171593	9.420	ppbv	92
13) Ethanol	1.729	45	5044m	7.073	ppbv	
14) Bromoethene	1.787	108	61700	9.463	ppbv	97
15) Acetone	1.842	43	172416	7.661	ppbv	94
16) 1,3-Butadiene	1.615	39	83662	8.654	ppbv	93
17) tert-Butyl alcohol	2.049	59	246893	9.669	ppbv	100
18) 1,1-Dichloroethene	2.043	96	79001	9.584	ppbv	81
19) Isopropyl Alcohol	1.894	45	103696	8.766	ppbv #	1
20) Methylene Chloride	2.069	84	65389	8.517	ppbv	91
21) Allyl Chloride	2.104	41	131366	9.122	ppbv	93
22) trans-1,2-Dichloroethene	2.350	96	87967	9.216	ppbv	92
23) Vinyl Acetate	2.473	43	107320	9.411	ppbv #	93
24) 1,1-Dichloroethane	2.418	63	167453	9.264	ppbv	99
25) Ethyl Acetate	2.849	43	537722	9.615	ppbv	99
26) Hexane	2.839	57	213717	9.290	ppbv	89
27) Carbon Disulfide	2.159	76	211082	9.579	ppbv #	88
28) Methyl tert-Butyl Ether	2.454	73	150727	8.585	ppbv	99
29) Chloroform	2.861	83	302132	9.385	ppbv	98
30) Cyclohexane	3.878	84	187848	9.508	ppbv #	88
31) cis-1,2-Dichloroethene	2.732	61	215939	9.604	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	308704	9.654	ppbv	95
34) 2-Butanone	2.567	43	305484	9.209	ppbv	97
35) Carbon Tetrachloride	3.781	117	302110	9.742	ppbv	97
36) Benzene	3.674	78	448544	9.689	ppbv	96
37) 1,2-Dichloroethane	3.234	62	233663	9.621	ppbv #	96
38) Trichloroethene	4.570	130	171695	9.393	ppbv	96
39) 1,2-Dichloropropane	4.334	63	157431	9.560	ppbv #	85
40) 1,4-Dioxane	4.606	88	74011	8.937	ppbv #	76
41) Tetrahydrofuran	3.069	42	181706	9.327	ppbv	92
42) Bromodichloromethane	4.512	83	329142	9.864	ppbv	97
43) Methyl Methacrylate	4.907	69	179603	9.474	ppbv	87
44) 2,2,4-Trimethylpentane	4.668	57	741253	9.479	ppbv	93
45) t-1,3-Dichloropropene	6.444	75	182207	9.391	ppbv	97

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

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

QLast Update : Thu Jan 09 15:10:07 2025

Response via : Initial Calibration

Manual Integrations APPROVED

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

01/10/2025
 Supervised By : Semsettin
 Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.632	75	236106	9.483	ppbv	87	01/10/2025
47) 1,1,2-Trichloroethane	6.610	97	165331	9.543	ppbv	95	
48) Dibromochloromethane	7.409	129	266338	10.137	ppbv	99	
49) Bromoform	9.500	173	230376	10.047	ppbv	99	
50) 4-Methyl-2-Pentanone	5.784	43	447733	9.458	ppbv	92	
51) 2-Hexanone	7.458	43	363718	9.341	ppbv #	89	
52) Tetrachloroethene	8.244	164	151399	8.536	ppbv	96	
53) Toluene	6.959	91	517284	9.395	ppbv	100	
54) 1,2-Dibromoethane	7.674	107	226153	9.598	ppbv	99	
56) 1,1,1,2-Tetrachloroethane	8.943	131	209474	9.669	ppbv	100	
57) Chlorobenzene	8.940	112	383752	9.470	ppbv	97	
58) Ethyl Benzene	9.374	91	717041	9.595	ppbv	99	
59) m/p-Xylene	9.548	91	1117121m	18.915	ppbv		
60) o-Xylene	9.982	91	555689	9.433	ppbv	99	
61) Styrene	9.888	104	276061	9.385	ppbv	98	
62) Isopropylbenzene	10.555	105	835024	9.415	ppbv	100	
63) 1,1,2,2-Tetrachloroethane	9.979	83	327345	9.252	ppbv	100	
64) n-propylbenzene	11.002	120	211515	9.153	ppbv	98	
65) tert-Butylbenzene	11.545	119	747696	9.315	ppbv	96	
66) Benzyl Chloride	11.630	91	68070	8.187	ppbv	95	
67) sec-Butylbenzene	11.782	105	1020583	9.228	ppbv	99	
69) p-Isopropyltoluene	11.940	119	862841	9.143	ppbv	98	
70) n-Butylbenzene	12.296	91	843727	8.907	ppbv	98	
71) 2-Chlorotoluene	10.917	91	625951	9.116	ppbv	100	
72) 4-Ethyltoluene	11.141	105	668428	9.254	ppbv	99	
73) 1,3,5-Trimethylbenzene	11.218	105	572229	9.332	ppbv	99	
74) 1,2,4-Trimethylbenzene	11.552	105	607041	9.114	ppbv	91	
75) 1,3-Dichlorobenzene	11.623	146	348741	8.734	ppbv	99	
76) 1,4-Dichlorobenzene	11.688	146	351167	8.884	ppbv	98	
77) 1,2-Dichlorobenzene	11.963	146	336372	8.912	ppbv	99	
78) Hexachloro-1,3-Butadiene	13.895	225	247845	7.639	ppbv	99	
79) Naphthalene	13.526	128	544143	7.583	ppbv	99	
80) Naphthalene,2-methyl-	14.471	142	232206	6.000	ppbv	97	
81) 1,2,4-Trichlorobenzene	13.455	180	269501	7.888	ppbv	98	

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

