

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042527.D
 Acq On : 12 May 2025 10:07
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: May 12 23:47:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

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

Internal Standards						
1) Bromochloromethane	2.781	49	109943	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	312995	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	265845	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.370	95	231970	10.029	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	17243	0.966	ppbv	93
3) Chlorodifluoromethane	1.470	51	18021	0.990	ppbv	99
4) Chloromethane	1.528	50	7338	1.007	ppbv	89
5) Vinyl Chloride	1.576	62	6995	0.938	ppbv	100
6) Bromomethane	1.664	94	3506	0.990	ppbv	95
7) Chloroethane	1.699	64	3333	1.136	ppbv #	86
8) Dichlorotetrafluoroethane	1.551	85	15232	0.992	ppbv	94
9) Propene	1.479	41	4688	1.186	ppbv #	1
10) Heptane	4.968	43	12679m	0.842	ppbv	
11) Trichlorofluoromethane	1.871	101	16718	0.974	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.133	101	13472	0.977	ppbv	100
13) Ethanol	1.719	45	1228m	1.138	ppbv	
14) Bromoethene	1.777	108	5081	1.010	ppbv #	98
15) Acetone	1.832	43	18790	1.070	ppbv	95
16) 1,3-Butadiene	1.606	39	7620	0.965	ppbv	100
17) tert-Butyl alcohol	2.039	59	16785	1.034	ppbv	95
18) 1,1-Dichloroethene	2.030	96	5957	0.985	ppbv	89
19) Isopropyl Alcohol	1.884	45	9238	0.968	ppbv #	95
20) Methylene Chloride	2.055	84	6343	1.037	ppbv	95
21) Allyl Chloride	2.091	41	12028	1.034	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	7150	1.011	ppbv	95
23) Vinyl Acetate	2.457	43	16789	0.913	ppbv #	90
24) 1,1-Dichloroethane	2.402	63	13728	1.003	ppbv	97
25) Ethyl Acetate	2.832	43	28045	0.909	ppbv	98
26) Hexane	2.819	57	11972	0.945	ppbv	95
27) Carbon Disulfide	2.146	76	16011	0.979	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	6789	0.965	ppbv	93
29) Chloroform	2.842	83	26959	1.026	ppbv	87
30) Cyclohexane	3.845	84	8805m	0.847	ppbv	
31) cis-1,2-Dichloroethene	2.716	61	13267	0.928	ppbv	90
32) 1,1,1-Trichloroethane	3.360	97	25297	0.955	ppbv	96
34) 2-Butanone	2.554	43	20174	0.978	ppbv	100
35) Carbon Tetrachloride	3.755	117	27182	0.966	ppbv	96
36) Benzene	3.648	78	26465	0.954	ppbv	95
37) 1,2-Dichloroethane	3.208	62	20039	1.013	ppbv	98
38) Trichloroethene	4.541	130	11026m	0.930	ppbv	
39) 1,2-Dichloropropane	4.308	63	10363m	1.004	ppbv	
40) 1,4-Dioxane	4.596	88	3834m	0.931	ppbv	
41) Tetrahydrofuran	3.056	42	7944	0.893	ppbv	97
42) Bromodichloromethane	4.480	83	25549m	0.969	ppbv	
43) Methyl Methacrylate	4.875	69	8149m	0.880	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	41666m	0.956	ppbv	
45) t-1,3-Dichloropropene	6.399	75	10716m	0.906	ppbv	

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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)
46) cis-1,3-Dichloropropene	5.580	75	12616m	0.884	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	11636m	0.957	ppbv	
48) Dibromochloromethane	7.377	129	19761	0.973	ppbv	97
49) Bromoform	9.474	173	15745	0.944	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	21720m	0.898	ppbv	
51) 2-Hexanone	7.428	43	14649m	0.815	ppbv	
52) Tetrachloroethene	8.218	164	9912m	0.928	ppbv	
53) Toluene	6.923	91	22892m	0.841	ppbv	
54) 1,2-Dibromoethane	7.642	107	16971m	0.955	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.914	131	16650	1.010	ppbv #	1
57) Chlorobenzene	8.914	112	25980	0.973	ppbv	94
58) Ethyl Benzene	9.348	91	28807m	0.795	ppbv	
59) m/p-Xylene	9.542	91	54644m	1.695	ppbv	
60) o-Xylene	9.956	91	26834	0.854	ppbv	95
61) Styrene	9.862	104	9259	0.800	ppbv	97
62) Isopropylbenzene	10.532	105	41504	0.877	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.956	83	23419	0.930	ppbv	99
64) n-propylbenzene	10.985	120	10433	0.870	ppbv	93
65) tert-Butylbenzene	11.526	119	38176	0.878	ppbv	96
66) Benzyl Chloride	11.607	91	4826	0.839	ppbv #	93
67) sec-Butylbenzene	11.762	105	56638	0.909	ppbv	97
69) p-Isopropyltoluene	11.921	119	44406	0.867	ppbv	96
70) n-Butylbenzene	12.277	91	41878	0.827	ppbv	97
71) 2-Chlorotoluene	10.898	91	30070	0.839	ppbv	98
72) 4-Ethyltoluene	11.121	105	33030	0.847	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.199	105	29442	0.867	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	40544	0.970	ppbv	91
75) 1,3-Dichlorobenzene	11.600	146	26018	0.994	ppbv	97
76) 1,4-Dichlorobenzene	11.665	146	23564	0.947	ppbv	98
77) 1,2-Dichlorobenzene	11.940	146	26975	0.998	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	23824	1.028	ppbv	98
79) Naphthalene	13.510	128	24409	0.846	ppbv #	95
80) Naphthalene,2-methyl-	14.455	142	9088	0.541	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	14600	0.829	ppbv	96

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

