

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042507.D
 Acq On : 06 May 2025 20:45
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 01:48:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 03:16:31 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	73201	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	194975	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	165562	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 163586 10.657 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	126416	10.436	ppbv	96
3) Chlorodifluoromethane	1.476	51	154006	12.025	ppbv	99
4) Chloromethane	1.535	50	51283	10.129	ppbv	94
5) Vinyl Chloride	1.580	62	47804	9.378	ppbv	99
6) Bromomethane	1.667	94	24483	10.166	ppbv	96
7) Chloroethane	1.703	64	19328	10.269	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	104533	10.468	ppbv	100
9) Propene	1.486	41	37199	8.880	ppbv	99
10) Heptane	4.985	43	120050	11.048	ppbv	99
11) Trichlorofluoromethane	1.878	101	117851	10.543	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	95081	10.653	ppbv	100
13) Ethanol	1.722	45	3683	4.332	ppbv	98
14) Bromoethene	1.784	108	34926	10.600	ppbv	97
15) Acetone	1.836	43	111733	8.361	ppbv	99
16) 1,3-Butadiene	1.609	39	59012	10.013	ppbv	99
17) tert-Butyl alcohol	2.043	59	84810	7.204	ppbv	98
18) 1,1-Dichloroethene	2.036	96	43987	10.555	ppbv	90
19) Isopropyl Alcohol	1.887	45	36662	4.957	ppbv #	95
20) Methylene Chloride	2.062	84	35200	8.762	ppbv	95
21) Allyl Chloride	2.098	41	77384	9.005	ppbv	96
22) trans-1,2-Dichloroethene	2.344	96	47739	9.808	ppbv	96
23) Vinyl Acetate	2.464	43	32021	2.511	ppbv	98
24) 1,1-Dichloroethane	2.412	63	98492	9.919	ppbv	98
25) Ethyl Acetate	2.839	43	212926	9.952	ppbv	99
26) Hexane	2.829	57	96439	10.346	ppbv	95
27) Carbon Disulfide	2.153	76	115323	10.602	ppbv	94
28) Methyl tert-Butyl Ether	2.441	73	48903	8.733	ppbv	96
29) Chloroform	2.852	83	182569	10.452	ppbv	97
30) Cyclohexane	3.862	84	79058	10.145	ppbv	98
31) cis-1,2-Dichloroethene	2.723	61	99450	9.145	ppbv	92
32) 1,1,1-Trichloroethane	3.370	97	182895	9.651	ppbv	99
34) 2-Butanone	2.561	43	115840	8.214	ppbv	96
35) Carbon Tetrachloride	3.765	117	189683	10.710	ppbv	95
36) Benzene	3.658	78	191758	10.422	ppbv	95
37) 1,2-Dichloroethane	3.221	62	141496	9.978	ppbv	99
38) Trichloroethene	4.554	130	95431	13.601	ppbv	89
39) 1,2-Dichloropropane	4.318	63	69212	10.048	ppbv	93
40) 1,4-Dioxane	4.590	88	26053m	8.077	ppbv	
41) Tetrahydrofuran	3.059	42	61236	9.137	ppbv	99
42) Bromodichloromethane	4.493	83	187995	10.850	ppbv	96
43) Methyl Methacrylate	4.888	69	60569	8.822	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	337514	11.317	ppbv	98
45) t-1,3-Dichloropropene	6.428	75	58954	6.545	ppbv	91

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	85745	8.009	ppbv	96
47) 1,1,2-Trichloroethane	6.594	97	77438	10.251	ppbv	98
48) Dibromochloromethane	7.393	129	136576	10.709	ppbv	97
49) Bromoform	9.487	173	114796	10.733	ppbv	99
50) 4-Methyl-2-Pentanone	5.765	43	161206	9.037	ppbv	97
51) 2-Hexanone	7.445	43	98036	6.874	ppbv #	100
52) Tetrachloroethene	8.231	164	65001	9.281	ppbv	94
53) Toluene	6.940	91	215839	11.083	ppbv	98
54) 1,2-Dibromoethane	7.662	107	101197	8.762	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.930	131	107385	10.982	ppbv	98
57) Chlorobenzene	8.930	112	182744	10.985	ppbv	94
58) Ethyl Benzene	9.361	91	327425	11.834	ppbv	97
59) m/p-Xylene	9.558	91	577102m	24.880	ppbv	
60) o-Xylene	9.969	91	294752	12.692	ppbv	100
61) Styrene	9.876	104	98553	11.372	ppbv	98
62) Isopropylbenzene	10.545	105	413558	12.345	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	134322	8.389	ppbv	100
64) n-propylbenzene	10.995	120	103102	12.593	ppbv	98
65) tert-Butylbenzene	11.536	119	375280	12.553	ppbv	99
66) Benzyl Chloride	11.617	91	13460	3.896	ppbv #	94
67) sec-Butylbenzene	11.772	105	541364	12.743	ppbv	100
69) p-Isopropyltoluene	11.931	119	463851	12.959	ppbv	99
70) n-Butylbenzene	12.287	91	492839	13.319	ppbv	99
71) 2-Chlorotoluene	10.905	91	328104	12.487	ppbv	99
72) 4-Ethyltoluene	11.128	105	370034	13.514	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	317811	13.197	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	364646	12.515	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	205478	12.667	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	202578	13.197	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	203670	12.828	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	196969	12.423	ppbv	99
79) Naphthalene	13.517	128	401961	16.388	ppbv #	97
80) Naphthalene,2-methyl-	14.462	142	268295	14.717	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	194940	14.902	ppbv	97

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

