

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070325\
 Data File : VL042699.D
 Acq On : 03 Jul 2025 08:36
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Jul 04 03:52:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	121789	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	298981	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	266456	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 209470 10.221 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	113451	8.898	ppbv	97
3) Chlorodifluoromethane	1.479	51	175020	9.180	ppbv	99
4) Chloromethane	1.538	50	44548	8.908	ppbv	96
5) Vinyl Chloride	1.583	62	39905	7.939	ppbv	99
6) Bromomethane	1.674	94	19554	8.708	ppbv	93
7) Chloroethane	1.709	64	16555	8.578	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	91155	8.629	ppbv	98
9) Propene	1.486	41	63173	8.856	ppbv	100
10) Heptane	4.998	43	203738	10.517	ppbv	98
11) Trichlorofluoromethane	1.884	101	121123	9.010	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	96957	9.112	ppbv	98
13) Ethanol	1.725	45	4728	6.868	ppbv	90
14) Bromoethene	1.787	108	33081	8.920	ppbv	98
15) Acetone	1.842	43	97496	8.071	ppbv	99
16) 1,3-Butadiene	1.612	39	47889	8.604	ppbv	100
17) tert-Butyl alcohol	2.046	59	110624	9.388	ppbv	98
18) 1,1-Dichloroethene	2.039	96	41172	8.709	ppbv	100
19) Isopropyl Alcohol	1.890	45	61393	8.843	ppbv #	1
20) Methylene Chloride	2.068	84	36371	7.874	ppbv	99
21) Allyl Chloride	2.101	41	78148	9.275	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	46791	9.086	ppbv	92
23) Vinyl Acetate	2.470	43	213218	10.908	ppbv	99
24) 1,1-Dichloroethane	2.415	63	94888	8.915	ppbv	99
25) Ethyl Acetate	2.842	43	362702	9.927	ppbv	100
26) Hexane	2.836	57	153787	10.088	ppbv	99
27) Carbon Disulfide	2.156	76	113800	9.154	ppbv	100
28) Methyl tert-Butyl Ether	2.447	73	63058	10.110	ppbv	99
29) Chloroform	2.858	83	211103	9.168	ppbv	99
30) Cyclohexane	3.868	84	119480	10.395	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	140617	9.692	ppbv	98
32) 1,1,1-Trichloroethane	3.379	97	192929	8.733	ppbv	99
34) 2-Butanone	2.564	43	231566	9.786	ppbv	100
35) Carbon Tetrachloride	3.774	117	190681	9.217	ppbv	99
36) Benzene	3.667	78	298352	9.901	ppbv	96
37) 1,2-Dichloroethane	3.227	62	152332	9.519	ppbv	99
38) Trichloroethene	4.567	130	115883	8.902	ppbv	94
39) 1,2-Dichloropropane	4.328	63	113900	9.692	ppbv	99
40) 1,4-Dioxane	4.596	88	46509	10.213	ppbv #	95
41) Tetrahydrofuran	3.062	42	130187	10.796	ppbv	98
42) Bromodichloromethane	4.506	83	221829	9.786	ppbv	97
43) Methyl Methacrylate	4.894	69	106229	10.962	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	530602	10.482	ppbv	100
45) t-1,3-Dichloropropene	6.431	75	107246	10.543	ppbv	99

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QLast Update : Thu Jul 03 01:50:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	147452	10.506	ppbv	98
47) 1,1,2-Trichloroethane	6.603	97	113558	9.811	ppbv	96
48) Dibromochloromethane	7.406	129	175019	9.875	ppbv	99
49) Bromoform	9.497	173	149140	9.743	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	304956	11.006	ppbv	99
51) 2-Hexanone	7.451	43	240078	11.908	ppbv	98
52) Tetrachloroethene	8.237	164	95193	9.451	ppbv	94
53) Toluene	6.953	91	313922	11.157	ppbv	99
54) 1,2-Dibromoethane	7.668	107	161254	9.994	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.937	131	135428	9.400	ppbv	98
57) Chlorobenzene	8.937	112	249410	9.330	ppbv	98
58) Ethyl Benzene	9.367	91	430818	11.180	ppbv	98
59) m/p-Xylene	9.565	91	709280m	21.975	ppbv	
60) o-Xylene	9.976	91	350917	11.052	ppbv	99
61) Styrene	9.882	104	145889	11.697	ppbv	99
62) Isopropylbenzene	10.552	105	512377	10.692	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	231326	9.461	ppbv	98
64) n-propylbenzene	10.998	120	134154	10.934	ppbv	99
65) tert-Butylbenzene	11.542	119	439909	10.725	ppbv	99
66) Benzyl Chloride	11.626	91	42511	10.697	ppbv	99
67) sec-Butylbenzene	11.778	105	642441	10.223	ppbv	100
69) p-Isopropyltoluene	11.937	119	528482	10.567	ppbv	100
70) n-Butylbenzene	12.290	91	550637	10.928	ppbv	99
71) 2-Chlorotoluene	10.911	91	384447	10.844	ppbv	99
72) 4-Ethyltoluene	11.134	105	431686	11.142	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	357192	10.936	ppbv	96
74) 1,2,4-Trimethylbenzene	11.549	105	390891	10.490	ppbv	94
75) 1,3-Dichlorobenzene	11.617	146	247836	9.480	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	247356	9.970	ppbv	100
77) 1,2-Dichlorobenzene	11.956	146	242468	9.181	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	168191	8.177	ppbv	100
79) Naphthalene	13.523	128	359527	11.560	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	142000	10.993	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	184786	10.196	ppbv	99

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

