

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042771.D
 Acq On : 24 Jul 2025 19:08
 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 07/25/2025
 Supervised By : Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:31:16 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	148917	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	406846	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	367843	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 300579 10.318 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	181955	9.241	ppbv	100
3) Chlorodifluoromethane	1.476	51	248369	9.684	ppbv	99
4) Chloromethane	1.534	50	73902	9.278	ppbv	94
5) Vinyl Chloride	1.580	62	63354	8.050	ppbv	99
6) Bromomethane	1.670	94	27879	9.163	ppbv	95
7) Chloroethane	1.706	64	25550	8.402	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	146738	9.062	ppbv	98
9) Propene	1.482	41	86353	9.264	ppbv	96
10) Heptane	4.981	43	258987	10.304	ppbv	98
11) Trichlorofluoromethane	1.877	101	181509	8.943	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	142447	9.236	ppbv	98
13) Ethanol	1.722	45	7183	9.431	ppbv	98
14) Bromoethene	1.783	108	50019	9.160	ppbv	98
15) Acetone	1.835	43	150491	7.318	ppbv	99
16) 1,3-Butadiene	1.609	39	77516	8.838	ppbv	99
17) tert-Butyl alcohol	2.042	59	163203	8.800	ppbv	99
18) 1,1-Dichloroethene	2.036	96	62040	8.903	ppbv	91
19) Isopropyl Alcohol	1.887	45	92411	8.457	ppbv	96
20) Methylene Chloride	2.062	84	52595	8.116	ppbv	98
21) Allyl Chloride	2.097	41	119345	9.417	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	68169	9.093	ppbv	95
23) Vinyl Acetate	2.466	43	247276	9.919	ppbv #	97
24) 1,1-Dichloroethane	2.411	63	140110	9.106	ppbv	99
25) Ethyl Acetate	2.839	43	462923	10.171	ppbv	99
26) Hexane	2.829	57	198119	9.922	ppbv	98
27) Carbon Disulfide	2.152	76	166421	9.736	ppbv	98
28) Methyl tert-Butyl Ether	2.440	73	76870	8.149	ppbv	97
29) Chloroform	2.852	83	304339	9.864	ppbv	98
30) Cyclohexane	3.861	84	162845	9.617	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	198315	9.666	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	299522	9.320	ppbv	99
34) 2-Butanone	2.557	43	300947	10.443	ppbv	100
35) Carbon Tetrachloride	3.768	117	317984	10.522	ppbv	98
36) Benzene	3.661	78	396691	10.288	ppbv	98
37) 1,2-Dichloroethane	3.220	62	240289	10.345	ppbv	100
38) Trichloroethene	4.554	130	172128	9.292	ppbv	97
39) 1,2-Dichloropropane	4.318	63	147018	10.330	ppbv	97
40) 1,4-Dioxane	4.583	88	61288	9.238	ppbv #	98
41) Tetrahydrofuran	3.055	42	160801	10.965	ppbv	98
42) Bromodichloromethane	4.492	83	330019	10.910	ppbv	97
43) Methyl Methacrylate	4.884	69	149931	10.940	ppbv	98
44) 2,2,4-Trimethylpentane	4.645	57	675738	10.752	ppbv	98
45) t-1,3-Dichloropropene	6.418	75	162427	10.568	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	210284	10.797	ppbv	100
47) 1,1,2-Trichloroethane	6.587	97	156209	10.296	ppbv	95
48) Dibromochloromethane	7.396	129	263497	10.940	ppbv	100
49) Bromoform	9.487	173	231495	11.023	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	409273	11.025	ppbv	98
51) 2-Hexanone	7.441	43	329154	11.733	ppbv #	98
52) Tetrachloroethene	8.228	164	147171	9.208	ppbv	97
53) Toluene	6.939	91	440763	10.645	ppbv	99
54) 1,2-Dibromoethane	7.658	107	228193	10.645	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.930	131	200130	10.464	ppbv	100
57) Chlorobenzene	8.930	112	357756	10.049	ppbv #	96
58) Ethyl Benzene	9.360	91	626960	10.793	ppbv	100
59) m/p-Xylene	9.555	91	1021735m	22.009	ppbv	
60) o-Xylene	9.969	91	505362	10.894	ppbv	100
61) Styrene	9.875	104	219025	11.224	ppbv	99
62) Isopropylbenzene	10.545	105	730483	10.675	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	290798	9.764	ppbv	99
64) n-propylbenzene	10.992	120	192859	10.811	ppbv	98
65) tert-Butylbenzene	11.535	119	646470	10.636	ppbv	98
66) Benzyl Chloride	11.620	91	56188	11.261	ppbv	99
67) sec-Butylbenzene	11.772	105	915333	10.588	ppbv	100
69) p-Isopropyltoluene	11.927	119	784401	11.128	ppbv	100
70) n-Butylbenzene	12.283	91	794926	11.675	ppbv	100
71) 2-Chlorotoluene	10.904	91	562887	10.728	ppbv	100
72) 4-Ethyltoluene	11.128	105	618732	11.168	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	512194	11.229	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	567894	11.412	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	364805	10.457	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	360751	10.567	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	349296	10.187	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	285543	9.201	ppbv	99
79) Naphthalene	13.516	128	549421	10.167	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	219012	8.324	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	308441	10.156	ppbv	99

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

