

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112425\
 Data File : VL043278.D
 Acq On : 24 Nov 2025 12:27
 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 11/25/2025
 Supervised By :Mahesh Dadoda 11/25/2025

Quant Time: Nov 24 23:38:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 01:11:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	107061	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	275969	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	215083	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 163444 10.367 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	165790	10.979	ppbv	100
3) Chlorodifluoromethane	1.476	51	154655	10.414	ppbv	96
4) Chloromethane	1.531	50	57140	10.121	ppbv	92
5) Vinyl Chloride	1.580	62	57379	9.293	ppbv	94
6) Bromomethane	1.667	94	28470	9.512	ppbv	95
7) Chloroethane	1.703	64	23590	9.810	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	137737	10.965	ppbv	99
9) Propene	1.482	41	60577m	9.606	ppbv	
10) Heptane	4.968	43	170551	9.087	ppbv	99
11) Trichlorofluoromethane	1.877	101	175925	12.025	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	130475	11.423	ppbv	96
13) Ethanol	1.719	45	17888	8.067	ppbv	95
14) Bromoethene	1.780	108	47510	10.850	ppbv	96
15) Acetone	1.832	43	125343	8.427	ppbv	99
16) 1,3-Butadiene	1.609	39	64565	9.736	ppbv	96
17) tert-Butyl alcohol	2.036	59	188025	9.630	ppbv	100
18) 1,1-Dichloroethene	2.033	96	57383	10.790	ppbv	98
19) Isopropyl Alcohol	1.884	45	75837	9.023	ppbv	93
20) Methylene Chloride	2.059	84	52345	12.108	ppbv	91
21) Allyl Chloride	2.094	41	88510	8.844	ppbv	94
22) trans-1,2-Dichloroethene	2.337	96	64226	10.566	ppbv	99
23) Vinyl Acetate	2.460	43	162160	9.030	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	126001	10.739	ppbv	98
25) Ethyl Acetate	2.829	43	302952	9.443	ppbv	99
26) Hexane	2.822	57	136961	9.738	ppbv	98
27) Carbon Disulfide	2.149	76	160712	11.192	ppbv	99
28) Methyl tert-Butyl Ether	2.434	73	69559	10.075	ppbv	94
29) Chloroform	2.845	83	232873	11.649	ppbv	100
30) Cyclohexane	3.852	84	115484	9.793	ppbv	95
31) cis-1,2-Dichloroethene	2.716	61	143927	10.295	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	239307	11.230	ppbv	99
34) 2-Butanone	2.551	43	193336	9.925	ppbv	99
35) Carbon Tetrachloride	3.758	117	251772	12.019	ppbv	98
36) Benzene	3.651	78	281056	10.634	ppbv	98
37) 1,2-Dichloroethane	3.211	62	179931	11.639	ppbv	98
38) Trichloroethene	4.538	130	112004	10.832	ppbv	95
39) 1,2-Dichloropropane	4.305	63	100819	10.423	ppbv	89
40) 1,4-Dioxane	4.570	88	37926	8.722	ppbv #	97
41) Tetrahydrofuran	3.046	42	100803	9.370	ppbv	97
42) Bromodichloromethane	4.480	83	247223	11.593	ppbv	98
43) Methyl Methacrylate	4.868	69	133803	9.538	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	465164	10.248	ppbv	98
45) t-1,3-Dichloropropene	6.405	75	104473	7.989	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	128727	8.383	ppbv	93
47) 1,1,2-Trichloroethane	6.567	97	112927	11.001	ppbv	97
48) Dibromochloromethane	7.376	129	204344	11.578	ppbv	100
49) Bromoform	9.474	173	180678	11.557	ppbv	99
50) 4-Methyl-2-Pentanone	5.729	43	252700	9.209	ppbv	100
51) 2-Hexanone	7.422	43	183438	8.608	ppbv #	99
52) Tetrachloroethene	8.218	164	102830	10.460	ppbv	91
53) Toluene	6.923	91	312291	9.979	ppbv	99
54) 1,2-Dibromoethane	7.642	107	152418	10.090	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	189737	12.003	ppbv	99
57) Chlorobenzene	8.914	112	249546	11.300	ppbv	97
58) Ethyl Benzene	9.348	91	448888	10.843	ppbv	97
59) m/p-Xylene	9.545	91	735995m	22.175	ppbv	
60) o-Xylene	9.956	91	373234	11.257	ppbv	100
61) Styrene	9.862	104	142379	9.812	ppbv	99
62) Isopropylbenzene	10.532	105	663175	11.180	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	229515	10.879	ppbv	100
64) n-propylbenzene	10.982	120	162848	10.684	ppbv	93
65) tert-Butylbenzene	11.526	119	575690	10.867	ppbv	99
66) Benzyl Chloride	11.610	91	27757	5.163	ppbv	98
67) sec-Butylbenzene	11.762	105	808129	10.929	ppbv	99
69) p-Isopropyltoluene	11.921	119	665442	10.623	ppbv	99
70) n-Butylbenzene	12.277	91	647136	10.649	ppbv	100
71) 2-Chlorotoluene	10.895	91	495463	10.867	ppbv	99
72) 4-Ethyltoluene	11.118	105	442267	10.953	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	372473	10.992	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	409684	11.079	ppbv	90
75) 1,3-Dichlorobenzene	11.600	146	242050	11.217	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	239021	11.074	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	231049	11.136	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	181252	10.468	ppbv	99
79) Naphthalene	13.507	128	339967	10.351	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	85751	9.947	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	170083	11.579	ppbv	97

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

