

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082125\
 Data File : VL042866.D
 Acq On : 21 Aug 2025 13:57
 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 :Mahesh Dadoda 08/25/2025
 Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 22 01:22:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 22 01:22:35 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	135675	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	398583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	346592	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 271488 10.444 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	189359	9.523	ppbv	98
3) Chlorodifluoromethane	1.476	51	210097	9.559	ppbv	98
4) Chloromethane	1.535	50	74712	9.311	ppbv	98
5) Vinyl Chloride	1.583	62	66393	8.401	ppbv	97
6) Bromomethane	1.671	94	26683	8.444	ppbv	93
7) Chloroethane	1.706	64	27548	8.926	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	151166	9.290	ppbv	97
9) Propene	1.486	41	81852	8.623	ppbv	100
10) Heptane	4.991	43	224483	8.830	ppbv	99
11) Trichlorofluoromethane	1.881	101	184345	9.397	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	143859	9.200	ppbv	99
13) Ethanol	1.722	45	6106	7.035	ppbv	93
14) Bromoethene	1.784	108	52923	9.350	ppbv	97
15) Acetone	1.839	43	140292	7.817	ppbv	99
16) 1,3-Butadiene	1.612	39	68285	8.393	ppbv	98
17) tert-Butyl alcohol	2.043	59	179835	8.449	ppbv	99
18) 1,1-Dichloroethene	2.036	96	65451	9.521	ppbv	94
19) Isopropyl Alcohol	1.887	45	94719	8.836	ppbv	100
20) Methylene Chloride	2.065	84	57845	7.694	ppbv	95
21) Allyl Chloride	2.101	41	115088	9.077	ppbv	94
22) trans-1,2-Dichloroethene	2.344	96	72886	9.164	ppbv	95
23) Vinyl Acetate	2.467	43	223223	9.046	ppbv	99
24) 1,1-Dichloroethane	2.412	63	147636	9.295	ppbv	98
25) Ethyl Acetate	2.839	43	395790	9.112	ppbv	99
26) Hexane	2.833	57	183016	9.128	ppbv	97
27) Carbon Disulfide	2.153	76	183662	9.413	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	87913	8.599	ppbv	94
29) Chloroform	2.852	83	275819	9.635	ppbv	99
30) Cyclohexane	3.862	84	158629	9.024	ppbv	97
31) cis-1,2-Dichloroethene	2.726	61	183248	9.150	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	282219	9.329	ppbv	99
34) 2-Butanone	2.561	43	259023	9.624	ppbv	100
35) Carbon Tetrachloride	3.771	117	279479	10.171	ppbv	99
36) Benzene	3.664	78	374488	9.812	ppbv	98
37) 1,2-Dichloroethane	3.224	62	215395	10.802	ppbv	98
38) Trichloroethene	4.554	130	161583	9.270	ppbv	99
39) 1,2-Dichloropropane	4.325	63	135983	9.755	ppbv	96
40) 1,4-Dioxane	4.590	88	58014	8.752	ppbv #	89
41) Tetrahydrofuran	3.059	42	142703	9.510	ppbv	98
42) Bromodichloromethane	4.499	83	306223	10.306	ppbv	96
43) Methyl Methacrylate	4.891	69	144346	9.180	ppbv	97
44) 2,2,4-Trimethylpentane	4.648	57	613984	9.478	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	169217	9.536	ppbv	97

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

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	216363	9.786	ppbv	93
47) 1,1,2-Trichloroethane	6.590	97	145986	9.884	ppbv	95
48) Dibromochloromethane	7.399	129	240130	10.047	ppbv	99
49) Bromoform	9.490	173	190549	9.668	ppbv	99
50) 4-Methyl-2-Pentanone	5.762	43	346674	9.530	ppbv	100
51) 2-Hexanone	7.445	43	279062	9.748	ppbv #	100
52) Tetrachloroethene	8.235	164	118856	8.608	ppbv	91
53) Toluene	6.946	91	425137	9.369	ppbv	99
54) 1,2-Dibromoethane	7.662	107	212261	9.834	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.934	131	174517	9.737	ppbv	99
57) Chlorobenzene	8.930	112	324377	9.843	ppbv	97
58) Ethyl Benzene	9.364	91	603652	9.870	ppbv	99
59) m/p-Xylene	9.562	91	952988m	19.878	ppbv	
60) o-Xylene	9.973	91	471605	9.779	ppbv	100
61) Styrene	9.879	104	217205	9.613	ppbv	100
62) Isopropylbenzene	10.549	105	683663	9.700	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.973	83	254261	9.587	ppbv	99
64) n-propylbenzene	10.995	120	173123	9.628	ppbv	94
65) tert-Butylbenzene	11.539	119	581575	9.361	ppbv	97
66) Benzyl Chloride	11.620	91	62086	7.872	ppbv	98
67) sec-Butylbenzene	11.772	105	840030	9.632	ppbv	99
69) p-Isopropyltoluene	11.931	119	692260	9.246	ppbv	98
70) n-Butylbenzene	12.287	91	723303	9.741	ppbv	98
71) 2-Chlorotoluene	10.908	91	530205	9.689	ppbv	97
72) 4-Ethyltoluene	11.131	105	574460	9.826	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	477078	9.596	ppbv	96
74) 1,2,4-Trimethylbenzene	11.542	105	522237	9.570	ppbv	97
75) 1,3-Dichlorobenzene	11.614	146	293599	9.464	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	294847	9.398	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	285521	9.400	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	191515	7.693	ppbv	100
79) Naphthalene	13.517	128	470360	9.508	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	146081	7.902	ppbv	98
81) 1,2,4-Trichlorobenzene	13.445	180	229848	9.244	ppbv	99

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

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