

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042824.D
 Acq On : 07 Aug 2025 08:27
 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 08/08/2025
 Supervised By : Mahesh Dadoda 08/11/2025

Quant Time: Aug 08 01:12:22 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025

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	2.780	49	152875	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	409968	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	350615	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 289682 10.433 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	198002	9.796	ppbv	99
3) Chlorodifluoromethane	1.473	51	259636	9.861	ppbv	99
4) Chloromethane	1.531	50	81057	9.913	ppbv	99
5) Vinyl Chloride	1.576	62	69415	8.592	ppbv	97
6) Bromomethane	1.664	94	29967	9.594	ppbv	100
7) Chloroethane	1.703	64	29394	9.416	ppbv	97
8) Dichlorotetrafluoroethane	1.550	85	160036	9.627	ppbv	99
9) Propene	1.482	41	84574	8.838	ppbv	100
10) Heptane	4.965	43	266506	10.328	ppbv	99
11) Trichlorofluoromethane	1.874	101	202046	9.697	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	154906	9.784	ppbv	99
13) Ethanol	1.719	45	6698	8.461	ppbv	96
14) Bromoethene	1.777	108	54097	9.650	ppbv	99
15) Acetone	1.832	43	168703	7.992	ppbv	98
16) 1,3-Butadiene	1.605	39	83330	9.255	ppbv	99
17) tert-Butyl alcohol	2.036	59	172327	9.051	ppbv	98
18) 1,1-Dichloroethene	2.029	96	64871	9.068	ppbv	99
19) Isopropyl Alcohol	1.881	45	103955	9.267	ppbv	98
20) Methylene Chloride	2.055	84	58299	8.764	ppbv	97
21) Allyl Chloride	2.091	41	127987	9.837	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	75249	9.778	ppbv	92
23) Vinyl Acetate	2.457	43	276849	10.818	ppbv	99
24) 1,1-Dichloroethane	2.405	63	157224	9.953	ppbv	100
25) Ethyl Acetate	2.829	43	470307	10.065	ppbv	99
26) Hexane	2.819	57	199330	9.725	ppbv	96
27) Carbon Disulfide	2.146	76	181651	10.352	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	96685	9.985	ppbv	99
29) Chloroform	2.842	83	325268	10.269	ppbv	96
30) Cyclohexane	3.845	84	162874	9.369	ppbv	94
31) cis-1,2-Dichloroethene	2.712	61	193169	9.171	ppbv	94
32) 1,1,1-Trichloroethane	3.360	97	310277	9.404	ppbv	99
34) 2-Butanone	2.551	43	304692	10.492	ppbv	99
35) Carbon Tetrachloride	3.751	117	332414	10.916	ppbv	98
36) Benzene	3.648	78	396745	10.211	ppbv	98
37) 1,2-Dichloroethane	3.211	62	246983	10.552	ppbv	99
38) Trichloroethene	4.538	130	179403	9.611	ppbv	95
39) 1,2-Dichloropropane	4.298	63	147118	10.258	ppbv	99
40) 1,4-Dioxane	4.564	88	63053	9.432	ppbv #	93
41) Tetrahydrofuran	3.046	42	159238	10.776	ppbv	96
42) Bromodichloromethane	4.476	83	338249	11.096	ppbv	95
43) Methyl Methacrylate	4.868	69	144407	10.456	ppbv	98
44) 2,2,4-Trimethylpentane	4.628	57	693154	10.945	ppbv	98
45) t-1,3-Dichloropropene	6.399	75	156600	10.112	ppbv #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	202323	10.309	ppbv	98
47) 1,1,2-Trichloroethane	6.567	97	159326	10.421	ppbv	96
48) Dibromochloromethane	7.376	129	272360	11.222	ppbv	99
49) Bromoform	9.474	173	244228	11.540	ppbv	99
50) 4-Methyl-2-Pentanone	5.735	43	407716	10.899	ppbv	97
51) 2-Hexanone	7.425	43	326255	11.541	ppbv #	96
52) Tetrachloroethene	8.215	164	145788	9.052	ppbv	98
53) Toluene	6.920	91	432808m	10.373	ppbv	
54) 1,2-Dibromoethane	7.642	107	233457	10.808	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.917	131	211408	11.597	ppbv	99
57) Chlorobenzene	8.914	112	371449	10.947	ppbv	97
58) Ethyl Benzene	9.348	91	615869	11.123	ppbv	98
59) m/p-Xylene	9.542	91	1060554m	23.967	ppbv	
60) o-Xylene	9.956	91	524632	11.865	ppbv	100
61) Styrene	9.865	104	207723	11.168	ppbv	99
62) Isopropylbenzene	10.532	105	750824	11.512	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	318926	11.235	ppbv	99
64) n-propylbenzene	10.982	120	203161	11.948	ppbv	99
65) tert-Butylbenzene	11.526	119	685288	11.829	ppbv	99
66) Benzyl Chloride	11.610	91	67529	14.199	ppbv	98
67) sec-Butylbenzene	11.762	105	963413	11.692	ppbv	99
69) p-Isopropyltoluene	11.921	119	822590	12.243	ppbv	100
70) n-Butylbenzene	12.277	91	841132	12.960	ppbv	99
71) 2-Chlorotoluene	10.895	91	575639	11.510	ppbv	99
72) 4-Ethyltoluene	11.118	105	644350	12.202	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	541834	12.462	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	608776	12.834	ppbv	92
75) 1,3-Dichlorobenzene	11.600	146	386529	11.624	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	391456	12.030	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	380829	11.653	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	302640	10.231	ppbv	99
79) Naphthalene	13.507	128	563249	10.903	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	203706	8.150	ppbv	98
81) 1,2,4-Trichlorobenzene	13.435	180	313518	10.802	ppbv	100

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

