

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 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 04/11/2025
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:54:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	178247	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	448439	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	388079	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 315861 9.911 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	256858	9.760	ppbv	99
3) Chlorodifluoromethane	1.473	51	283366	10.540	ppbv	98
4) Chloromethane	1.531	50	106741	9.924	ppbv	98
5) Vinyl Chloride	1.576	62	95961	8.419	ppbv	96
6) Bromomethane	1.664	94	46181	9.475	ppbv	98
7) Chloroethane	1.699	64	40193	9.310	ppbv	95
8) Dichlorotetrafluoroethane	1.551	85	218294	9.740	ppbv	94
9) Propene	1.483	41	109223	8.863	ppbv	100
10) Heptane	4.972	43	324095	9.887	ppbv	98
11) Trichlorofluoromethane	1.874	101	247687	9.672	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	202744	9.632	ppbv	98
13) Ethanol	1.716	45	4951	4.250	ppbv	90
14) Bromoethene	1.777	108	71256	8.837	ppbv	97
15) Acetone	1.832	43	223555	8.968	ppbv	97
16) 1,3-Butadiene	1.606	39	109334	8.981	ppbv	96
17) tert-Butyl alcohol	2.036	59	251167	8.089	ppbv	99
18) 1,1-Dichloroethene	2.030	96	84843	8.622	ppbv	95
19) Isopropyl Alcohol	1.884	45	121282	8.623	ppbv	93
20) Methylene Chloride	2.056	84	78454	8.450	ppbv	96
21) Allyl Chloride	2.091	41	160287	9.117	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	100830	8.866	ppbv	97
23) Vinyl Acetate	2.457	43	87054	8.068	ppbv	98
24) 1,1-Dichloroethane	2.405	63	207493	9.842	ppbv	99
25) Ethyl Acetate	2.829	43	648989	10.031	ppbv	99
26) Hexane	2.819	57	242802	9.715	ppbv	95
27) Carbon Disulfide	2.146	76	246850	9.211	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	123776	7.955	ppbv	95
29) Chloroform	2.842	83	384275	10.507	ppbv	98
30) Cyclohexane	3.849	84	195121	8.992	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	230708	9.093	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	374626	8.947	ppbv	97
34) 2-Butanone	2.554	43	358677	11.030	ppbv	98
35) Carbon Tetrachloride	3.755	117	392632	11.208	ppbv	98
36) Benzene	3.648	78	478185	10.756	ppbv	98
37) 1,2-Dichloroethane	3.211	62	286987	11.276	ppbv	100
38) Trichloroethene	4.538	130	195692	10.550	ppbv	97
39) 1,2-Dichloropropane	4.305	63	177013	10.933	ppbv	93
40) 1,4-Dioxane	4.574	88	82234	9.570	ppbv #	96
41) Tetrahydrofuran	3.049	42	203688	10.878	ppbv	93
42) Bromodichloromethane	4.480	83	403381	11.496	ppbv	98
43) Methyl Methacrylate	4.871	69	174371	9.265	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	854163	11.369	ppbv	97
45) t-1,3-Dichloropropene	6.406	75	165013	8.172	ppbv	94

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QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	221829	8.962	ppbv	96
47) 1,1,2-Trichloroethane	6.571	97	195254	11.408	ppbv	98
48) Dibromochloromethane	7.377	129	318189	10.970	ppbv	100
49) Bromoform	9.477	173	285511	10.964	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	507692	9.852	ppbv	94
51) 2-Hexanone	7.428	43	399883	9.449	ppbv #	94
52) Tetrachloroethene	8.215	164	162967	9.243	ppbv	97
53) Toluene	6.923	91	519861	9.865	ppbv	99
54) 1,2-Dibromoethane	7.642	107	258669	10.842	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	267799	12.536	ppbv	99
57) Chlorobenzene	8.914	112	449522	12.212	ppbv	94
58) Ethyl Benzene	9.348	91	745642	10.817	ppbv	100
59) m/p-Xylene	9.545	91	1300739m	23.631	ppbv	
60) o-Xylene	9.956	91	645311	11.695	ppbv	96
61) Styrene	9.866	104	277596	10.169	ppbv	99
62) Isopropylbenzene	10.532	105	963868	11.681	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	431966	12.884	ppbv	100
64) n-propylbenzene	10.985	120	255844	12.045	ppbv	99
65) tert-Butylbenzene	11.526	119	885906	11.609	ppbv	99
66) Benzyl Chloride	11.610	91	66712	8.239	ppbv	99
67) sec-Butylbenzene	11.762	105	1259760	11.876	ppbv	100
69) p-Isopropyltoluene	11.921	119	1081410	11.839	ppbv	99
70) n-Butylbenzene	12.277	91	1114385	11.930	ppbv	100
71) 2-Chlorotoluene	10.895	91	735700	11.488	ppbv	98
72) 4-Ethyltoluene	11.121	105	807663	11.756	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	697155	11.618	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	794178	11.489	ppbv	92
75) 1,3-Dichlorobenzene	11.604	146	483914	12.764	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	477802	12.663	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	479327	12.985	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	378178	10.064	ppbv	100
79) Naphthalene	13.510	128	909659	12.031	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	421431	11.365	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	402576	11.543	ppbv	99

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

