

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041838.D
 Acq On : 07 Jan 2025 09:18
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Jan 08 01:19:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M

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

QLast Update : Wed Jan 08 01:18:22 2025

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	97717	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	232315	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	198370	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 178169 10.487 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	144187	8.993	ppbv	100
3) Chlorodifluoromethane	1.479	51	136457	8.907	ppbv	100
4) Chloromethane	1.538	50	59602	9.040	ppbv	100
5) Vinyl Chloride	1.586	62	54824	8.244	ppbv	100
6) Bromomethane	1.674	94	25634	8.999	ppbv	100
7) Chloroethane	1.709	64	21958	8.578	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	126162	9.120	ppbv	100
9) Propene	1.489	41	48251	9.047	ppbv	100
10) Heptane	5.004	43	148658	11.283	ppbv	100
11) Trichlorofluoromethane	1.884	101	146982	9.015	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	110744	9.121	ppbv	100
13) Ethanol	1.729	45	3612m	5.891	ppbv	
14) Bromoethene	1.787	108	36921	9.288	ppbv	100
15) Acetone	1.842	43	132708	7.377	ppbv	100
16) 1,3-Butadiene	1.612	39	62332	8.836	ppbv	100
17) tert-Butyl alcohol	2.049	59	142263	9.126	ppbv	100
18) 1,1-Dichloroethene	2.043	96	46359	9.119	ppbv	100
19) Isopropyl Alcohol	1.894	45	67181	7.955	ppbv	100
20) Methylene Chloride	2.068	84	40886	7.950	ppbv	100
21) Allyl Chloride	2.104	41	88727	9.574	ppbv	100
22) trans-1,2-Dichloroethene	2.350	96	51671	9.094	ppbv	100
23) Vinyl Acetate	2.473	43	51668	8.955	ppbv	100
24) 1,1-Dichloroethane	2.418	63	113332	9.114	ppbv	100
25) Ethyl Acetate	2.845	43	301260	9.986	ppbv	100
26) Hexane	2.839	57	110574	10.560	ppbv	100
27) Carbon Disulfide	2.159	76	104642	10.530	ppbv	100
28) Methyl tert-Butyl Ether	2.450	73	73317	9.291	ppbv	100
29) Chloroform	2.861	83	173414	8.915	ppbv	100
30) Cyclohexane	3.875	84	87356	10.996	ppbv	100
31) cis-1,2-Dichloroethene	2.732	61	105358	9.776	ppbv	100
32) 1,1,1-Trichloroethane	3.383	97	164630	9.339	ppbv	100
34) 2-Butanone	2.567	43	170386	9.311	ppbv	100
35) Carbon Tetrachloride	3.781	117	171330	9.758	ppbv	100
36) Benzene	3.674	78	216013	9.733	ppbv	100
37) 1,2-Dichloroethane	3.230	62	138068	9.463	ppbv	100
38) Trichloroethene	4.570	130	81606	9.380	ppbv	100
39) 1,2-Dichloropropane	4.334	63	80487	9.375	ppbv	100
40) 1,4-Dioxane	4.606	88	34679	10.425	ppbv #	100
41) Tetrahydrofuran	3.069	42	91594	10.618	ppbv	100
42) Bromodichloromethane	4.512	83	172183	10.063	ppbv	100
43) Methyl Methacrylate	4.904	69	77566	11.130	ppbv	100
44) 2,2,4-Trimethylpentane	4.661	57	390617	10.683	ppbv	100
45) t-1,3-Dichloropropene	6.438	75	70965	10.430	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	97612	10.905	ppbv	100
47) 1,1,2-Trichloroethane	6.606	97	84906	9.351	ppbv	100
48) Dibromochloromethane	7.409	129	124570	10.778	ppbv	100
49) Bromoform	9.500	173	101730	10.982	ppbv	100
50) 4-Methyl-2-Pentanone	5.784	43	237056	11.212	ppbv	100
51) 2-Hexanone	7.457	43	190925	11.921	ppbv	100
52) Tetrachloroethene	8.244	164	67367	10.236	ppbv	100
53) Toluene	6.959	91	226694	11.464	ppbv	100
54) 1,2-Dibromoethane	7.674	107	110192	9.910	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	107276	9.488	ppbv	100
57) Chlorobenzene	8.940	112	193822	9.352	ppbv	100
58) Ethyl Benzene	9.370	91	325850	12.052	ppbv	100
59) m/p-Xylene	9.565	91	564970m	23.662	ppbv	
60) o-Xylene	9.979	91	281728	12.136	ppbv	100
61) Styrene	9.885	104	112526	12.495	ppbv	100
62) Isopropylbenzene	10.552	105	417672	11.452	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	188048	9.238	ppbv	100
64) n-propylbenzene	11.002	120	109323	11.684	ppbv	100
65) tert-Butylbenzene	11.545	119	375903	11.438	ppbv	100
66) Benzyl Chloride	11.630	91	28370	10.329	ppbv	100
67) sec-Butylbenzene	11.782	105	541663	11.295	ppbv	100
69) p-Isopropyltoluene	11.937	119	449331	11.935	ppbv	100
70) n-Butylbenzene	12.293	91	444870	11.762	ppbv	100
71) 2-Chlorotoluene	10.914	91	310040	11.712	ppbv	100
72) 4-Ethyltoluene	11.138	105	339692	12.100	ppbv	100
73) 1,3,5-Trimethylbenzene	11.218	105	292453	11.894	ppbv	100
74) 1,2,4-Trimethylbenzene	11.552	105	326247	11.455	ppbv	100
75) 1,3-Dichlorobenzene	11.620	146	188321	9.880	ppbv	100
76) 1,4-Dichlorobenzene	11.685	146	186446	10.164	ppbv	100
77) 1,2-Dichlorobenzene	11.960	146	185674	9.347	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	120191	8.523	ppbv	100
79) Naphthalene	13.526	128	266390	12.698	ppbv	100
80) Naphthalene,2-methyl-	14.471	142	79067	10.182	ppbv	100
81) 1,2,4-Trichlorobenzene	13.455	180	118002	10.148	ppbv	100

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

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