

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040227.D
 Acq On : 24 Feb 2023 9:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 10:38:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	742082	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	1944124	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.455	117	1828921	10.000	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1662322 11.053 ppbv -0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1403611	10.149	ppbv	100
3) Chlorodifluoromethane	2.652	51	965989	10.897	ppbv	99
4) Chloromethane	2.790	50	604545	10.857	ppbv	95
5) Vinyl Chloride	2.896	62	522000	11.666	ppbv	100
6) Bromomethane	3.095	94	174418	10.800	ppbv	98
7) Chloroethane	3.176	64	196734	11.087	ppbv	97
8) Dichlorotetrafluoroethane	2.835	85	1349436	11.323	ppbv	99
9) Propene	2.671	41	393362	10.886	ppbv	98
10) Heptane	7.561	43	1013043	11.779	ppbv	100
11) Trichlorofluoromethane	3.542	101	1377566	11.101	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	1044735	11.412	ppbv	98
13) Ethanol	3.221	45	24745m	7.438	ppbv	
14) Bromoethene	3.343	108	413585	11.781	ppbv	100
15) Acetone	3.446	43	937227	10.490	ppbv	99
16) 1,3-Butadiene	2.960	39	466580	11.435	ppbv	98
17) tert-Butyl alcohol	3.857	59	933891	11.462	ppbv	100
18) 1,1-Dichloroethene	3.857	96	473350	11.900	ppbv	97
19) Isopropyl Alcohol	3.552	45	427699	10.071	ppbv #	98
20) Methylene Chloride	3.909	84	397177	8.540	ppbv	98
21) Allyl Chloride	3.976	41	648945	11.843	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	488512	11.860	ppbv	91
23) Vinyl Acetate	4.606	43	313191m	11.551	ppbv	
24) 1,1-Dichloroethane	4.545	63	963270	11.366	ppbv	99
25) Ethyl Acetate	5.185	43	1777597	10.703	ppbv	99
26) Hexane	5.195	57	757342	10.622	ppbv	97
27) Carbon Disulfide	4.102	76	1156841	12.787	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	850666	11.135	ppbv	98
29) Chloroform	5.256	83	1327960	10.847	ppbv	100
30) Cyclohexane	6.584	84	648978	11.592	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	724642	10.697	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1346215	11.704	ppbv	99
34) 2-Butanone	4.764	43	1036259	10.806	ppbv	99
35) Carbon Tetrachloride	6.475	117	1420712	12.361	ppbv	99
36) Benzene	6.356	78	1633919	10.800	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1039507	10.986	ppbv	99
38) Trichloroethene	7.275	130	977346	11.723	ppbv	98
39) 1,2-Dichloropropane	7.057	63	632581	10.748	ppbv	97
40) 1,4-Dioxane	7.269	88	230965	9.810	ppbv	74
41) Tetrahydrofuran	5.539	42	620630	11.167	ppbv	99
42) Bromodichloromethane	7.233	83	1503363	11.511	ppbv	99
43) Methyl Methacrylate	7.458	69	658928	11.770	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	2789132	11.044	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	622086	12.527	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	853518	12.337	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	695521	10.926	ppbv	98
48) Dibromochloromethane	9.696	129	1206345	11.848	ppbv	100
49) Bromoform	12.397	173	940737	11.837	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	1740891	11.691	ppbv	99
51) 2-Hexanone	9.536	43	1345793	11.752	ppbv #	99
52) Tetrachloroethene	10.600	164	548824	11.617	ppbv	99
53) Toluene	9.208	91	1874804	11.569	ppbv	99
54) 1,2-Dibromoethane	9.992	107	771207	11.644	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	867981	11.306	ppbv	96
57) Chlorobenzene	11.513	112	1454019	10.882	ppbv	99
58) Ethyl Benzene	12.076	91	2595864	11.682	ppbv	98
59) m/p-Xylene	12.359	91	4515305m	22.942	ppbv	
60) o-Xylene	13.047	91	2198717	11.610	ppbv	100
61) Styrene	12.886	104	1214443	12.214	ppbv	99
62) Isopropylbenzene	14.021	105	3079093	11.327	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	727751	10.664	ppbv	100
64) n-propylbenzene	14.902	120	764301	11.360	ppbv	93
65) tert-Butylbenzene	16.082	119	2668340m	11.292	ppbv	
66) Benzyl Chloride	16.320	91	168301	10.703	ppbv	99
67) sec-Butylbenzene	16.625	105	3809230	11.241	ppbv	99
69) p-Isopropyltoluene	16.985	119	3007123	11.193	ppbv	100
70) n-Butylbenzene	17.876	91	3285199	11.266	ppbv	99
71) 2-Chlorotoluene	14.789	91	2340485	11.258	ppbv	99
72) 4-Ethyltoluene	15.182	105	2457548	11.739	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	2188689	11.235	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	2369646	11.075	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	1260610	10.765	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1232530	10.741	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1208318	10.388	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	817174m	10.226	ppbv	
79) Naphthalene	21.378	128	1634344	13.596	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	355768	10.408	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	882941	11.737	ppbv	98

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

