

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
 Data File : VL038431.D
 Acq On : 24 Feb 2022 11:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 25 00:42:32 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.636	49	820309	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.140	114	2143743	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.044	117	2006487m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.372 95 1594141 9.602 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.031	85	1230666	9.472	ppbv	98
3) Chlorodifluoromethane	2.973	51	1516901	10.472	ppbv	100
4) Chloromethane	3.125	50	512119	10.175	ppbv	97
5) Vinyl Chloride	3.240	62	525968	9.996	ppbv	100
6) Bromomethane	3.456	94	291980	10.521	ppbv	97
7) Chloroethane	3.536	64	177764	10.519	ppbv	97
8) Dichlorotetrafluoroethane	3.170	85	1284307	10.627	ppbv	100
9) Propene	2.993	41	498838	10.430	ppbv	100
10) Heptane	8.086	43	1274835	10.950	ppbv	99
11) Trichlorofluoromethane	3.928	101	1309496	10.527	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.462	101	958128	10.506	ppbv	99
13) Ethanol	3.597	45	39206m	8.214	ppbv	
14) Bromoethene	3.719	108	380205	10.465	ppbv	100
15) Acetone	3.829	43	622149	8.919	ppbv	99
16) 1,3-Butadiene	3.311	39	507987	10.902	ppbv	98
17) tert-Butyl alcohol	4.263	59	816730	11.735	ppbv	100
18) 1,1-Dichloroethene	4.266	96	416219	10.395	ppbv	96
19) Isopropyl Alcohol	3.944	45	418849	10.369	ppbv #	97
20) Methylene Chloride	4.321	84	339907	9.834	ppbv	95
21) Allyl Chloride	4.388	41	617804	10.486	ppbv	99
22) trans-1,2-Dichloroethene	4.858	96	430630	10.660	ppbv	97
23) Vinyl Acetate	5.044	43	987560	10.683	ppbv	99
24) 1,1-Dichloroethane	4.983	63	875009	10.528	ppbv	100
25) Ethyl Acetate	5.649	43	1915905	10.223	ppbv	100
26) Hexane	5.655	57	877277	10.337	ppbv	98
27) Carbon Disulfide	4.523	76	1052538	11.149	ppbv	99
28) Methyl tert-Butyl Ether	5.005	73	928879	10.745	ppbv	99
29) Chloroform	5.719	83	1469341	10.607	ppbv	98
30) Cyclohexane	7.095	84	770712	11.103	ppbv	96
31) cis-1,2-Dichloroethene	5.517	61	656930	7.989	ppbv	94
32) 1,1,1-Trichloroethane	6.478	97	1481925	10.638	ppbv	99
34) 2-Butanone	5.214	43	661972	9.818	ppbv	97
35) Carbon Tetrachloride	6.983	117	1536019	10.190	ppbv	97
36) Benzene	6.857	78	1873036	9.925	ppbv	99
37) 1,2-Dichloroethane	6.276	62	1101319	10.099	ppbv	100
38) Trichloroethene	7.800	130	675411	9.825	ppbv	97
39) 1,2-Dichloropropane	7.578	63	741525	9.865	ppbv	97
40) 1,4-Dioxane	7.809	88	137093m	7.689	ppbv	
41) Tetrahydrofuran	6.018	42	467948	10.272	ppbv	100
42) Bromodichloromethane	7.755	83	1585681	10.069	ppbv	97
43) Methyl Methacrylate	7.976	69	700461	10.677	ppbv	99
44) 2,2,4-Trimethylpentane	7.832	57	3215570	9.913	ppbv	99
45) t-1,3-Dichloropropene	9.240	75	562306	10.724	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.668	75	713186	10.378	ppbv	98
47) 1,1,2-Trichloroethane	9.433	97	736425	9.847	ppbv	97
48) Dibromochloromethane	10.266	129	1214551	9.932	ppbv	98
49) Bromoform	12.996	173	802603	8.892	ppbv	97
50) 4-Methyl-2-Pentanone	8.706	43	1276537	10.709	ppbv	99
51) 2-Hexanone	10.095	43	544501	10.203	ppbv #	100
52) Tetrachloroethene	11.182	164	571588	9.124	ppbv	96
53) Toluene	9.764	91	2066175	10.083	ppbv	99
54) 1,2-Dibromoethane	10.571	107	1045208	9.928	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.082	131	790321	9.450	ppbv	98
57) Chlorobenzene	12.105	112	1391121	8.986	ppbv	99
58) Ethyl Benzene	12.668	91	2621958	9.556	ppbv	98
59) m/p-Xylene	12.954	91	4404253m	18.690	ppbv	
60) o-Xylene	13.648	91	2024504	9.089	ppbv	99
61) Styrene	13.484	104	977146	9.511	ppbv	97
62) Isopropylbenzene	14.626	105	2662346	8.905	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.635	83	1357725	7.502	ppbv	98
64) n-propylbenzene	15.520	120	614848	8.306	ppbv	81
65) tert-Butylbenzene	16.703	119	2146436	8.289	ppbv	99
66) Benzyl Chloride	16.944	91	102292	7.310	ppbv	98
67) sec-Butylbenzene	17.253	105	2991597	8.154	ppbv	98
69) p-Isopropyltoluene	17.609	119	2399811	8.327	ppbv	99
70) n-Butylbenzene	18.507	91	2567170	8.608	ppbv	99
71) 2-Chlorotoluene	15.407	91	1861701	8.098	ppbv	98
72) 4-Ethyltoluene	15.796	105	2196636	8.950	ppbv	99
73) 1,3,5-Trimethylbenzene	15.954	105	1909211	8.566	ppbv	97
74) 1,2,4-Trimethylbenzene	16.719	105	1967581	8.361	ppbv	98
75) 1,3-Dichlorobenzene	16.950	146	1008435	7.651	ppbv	98
76) 1,4-Dichlorobenzene	17.092	146	991441	7.628	ppbv	99
77) 1,2-Dichlorobenzene	17.773	146	978978	7.716	ppbv	99
78) Hexachloro-1,3-Butadiene	23.333	225	809867	8.370	ppbv	99
79) Naphthalene	22.143	128	1510104	11.844	ppbv	98
80) Naphthalene,2-methyl-	24.937	142	242104	9.716	ppbv	96
81) 1,2,4-Trichlorobenzene	21.873	180	812101	10.534	ppbv	99

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

