

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038713.D
 Acq On : 23 Mar 2022 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 11:41:06 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 23 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	725579	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.153	114	1930646	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.060	117	1857801m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1431134 10.048 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	921306	9.446	ppbv	99
3) Chlorodifluoromethane	2.980	51	748250	9.764	ppbv	98
4) Chloromethane	3.134	50	396036	9.413	ppbv	99
5) Vinyl Chloride	3.247	62	410833	9.610	ppbv	99
6) Bromomethane	3.462	94	248156	10.888	ppbv	98
7) Chloroethane	3.549	64	141780	10.018	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	990715	10.173	ppbv	100
9) Propene	3.002	41	326954	8.837	ppbv	99
10) Heptane	8.099	43	873457	9.876	ppbv	98
11) Trichlorofluoromethane	3.938	101	937171	10.886	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.472	101	717574	10.828	ppbv	100
13) Ethanol	3.600	45	21971m	5.384	ppbv	
14) Bromoethene	3.729	108	315316	10.706	ppbv	97
15) Acetone	3.835	43	637409	10.181	ppbv	98
16) 1,3-Butadiene	3.317	39	357660	10.066	ppbv	99
17) tert-Butyl alcohol	4.269	59	669276	12.240	ppbv	99
18) 1,1-Dichloroethene	4.276	96	328483	11.034	ppbv	95
19) Isopropyl Alcohol	3.948	45	340249	9.802	ppbv	99
20) Methylene Chloride	4.330	84	261883	9.931	ppbv	98
21) Allyl Chloride	4.398	41	480280	10.659	ppbv	98
22) trans-1,2-Dichloroethene	4.870	96	347217	11.244	ppbv	99
23) Vinyl Acetate	5.057	43	475537	7.844	ppbv	99
24) 1,1-Dichloroethane	4.996	63	636259	10.656	ppbv	99
25) Ethyl Acetate	5.655	43	1733339	10.998	ppbv	99
26) Hexane	5.668	57	677514	9.602	ppbv	89
27) Carbon Disulfide	4.536	76	801569	11.580	ppbv	99
28) Methyl tert-Butyl Ether	5.018	73	586432	11.157	ppbv	99
29) Chloroform	5.732	83	1132850	10.027	ppbv	99
30) Cyclohexane	7.111	84	598883	9.762	ppbv	97
31) cis-1,2-Dichloroethene	5.529	61	679154	10.237	ppbv	94
32) 1,1,1-Trichloroethane	6.491	97	1107893	10.162	ppbv	100
34) 2-Butanone	5.224	43	737752	9.655	ppbv	99
35) Carbon Tetrachloride	6.996	117	1159248	10.348	ppbv	99
36) Benzene	6.870	78	1453579	9.755	ppbv	100
37) 1,2-Dichloroethane	6.285	62	782946	10.330	ppbv	98
38) Trichloroethene	7.812	130	606405	9.715	ppbv	99
39) 1,2-Dichloropropane	7.594	63	551547	9.468	ppbv	97
40) 1,4-Dioxane	7.809	88	175238	8.663	ppbv	68
41) Tetrahydrofuran	6.025	42	549916	9.669	ppbv	99
42) Bromodichloromethane	7.767	83	1198667	10.548	ppbv	99
43) Methyl Methacrylate	7.989	69	615453	11.125	ppbv	99
44) 2,2,4-Trimethylpentane	7.848	57	2390866	9.557	ppbv	99
45) t-1,3-Dichloropropene	9.253	75	666812	11.855	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	832415	10.945	ppbv	100
47) 1,1,2-Trichloroethane	9.452	97	610194	9.812	ppbv	99
48) Dibromochloromethane	10.282	129	1065690	10.940	ppbv	99
49) Bromoform	13.015	173	886352	11.163	ppbv	99
50) 4-Methyl-2-Pentanone	8.716	43	1427079	10.045	ppbv	99
51) 2-Hexanone	10.108	43	1109180	10.870	ppbv #	99
52) Tetrachloroethene	11.198	164	524744	9.623	ppbv	97
53) Toluene	9.783	91	1670698	10.435	ppbv	99
54) 1,2-Dibromoethane	10.584	107	913230	10.754	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.098	131	781940	10.152	ppbv	100
57) Chlorobenzene	12.124	112	1260757	9.409	ppbv	99
58) Ethyl Benzene	12.684	91	2192101	10.093	ppbv	99
59) m/p-Xylene	12.970	91	3741824m	19.696	ppbv	
60) o-Xylene	13.667	91	1808699	10.027	ppbv	99
61) Styrene	13.503	104	1079371	11.034	ppbv	99
62) Isopropylbenzene	14.642	105	2796147	10.311	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.648	83	1277347	9.142	ppbv	99
64) n-propylbenzene	15.536	120	750193	10.542	ppbv	97
65) tert-Butylbenzene	16.719	119	2479750	10.176	ppbv	98
66) Benzyl Chloride	16.960	91	519813	11.266	ppbv	99
67) sec-Butylbenzene	17.269	105	3583766	10.284	ppbv	99
69) p-Isopropyltoluene	17.625	119	2943415	10.349	ppbv	99
70) n-Butylbenzene	18.526	91	3034062	10.343	ppbv	100
71) 2-Chlorotoluene	15.426	91	2070953	10.289	ppbv	99
72) 4-Ethyltoluene	15.815	105	2213550	10.395	ppbv	99
73) 1,3,5-Trimethylbenzene	15.970	105	1919765	9.894	ppbv	99
74) 1,2,4-Trimethylbenzene	16.738	105	2060002	9.747	ppbv	97
75) 1,3-Dichlorobenzene	16.970	146	1268670	9.424	ppbv	99
76) 1,4-Dichlorobenzene	17.111	146	1247039	9.315	ppbv	98
77) 1,2-Dichlorobenzene	17.789	146	1233371	9.249	ppbv	99
78) Hexachloro-1,3-Butadiene	23.349	225	905118	7.343	ppbv	99
79) Naphthalene	22.162	128	1636171	10.133	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	387780	8.956	ppbv	94
81) 1,2,4-Trichlorobenzene	21.895	180	930183	8.415	ppbv	99

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

