

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039202.D
 Acq On : 7 Jun 2022 3:18
 Operator : SY/AP
 Sample : VL0606SBL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 06:31:31 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 07 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1170135	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3440966	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3423049m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 2473583 8.741 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 87.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	2248469	10.940	ppbv	100
3) Chlorodifluoromethane	2.989	51	1499751	10.073	ppbv	94
4) Chloromethane	3.144	50	739425	9.669	ppbv	98
5) Vinyl Chloride	3.260	62	740318	10.355	ppbv	98
6) Bromomethane	3.475	94	334505	9.511	ppbv	99
7) Chloroethane	3.559	64	250315	10.048	ppbv	100
8) Dichlorotetrafluoroethane	3.189	85	1811301	9.643	ppbv	93
9) Propene	3.012	41	748267	11.526	ppbv	99
10) Heptane	8.115	43	1839131	12.144	ppbv	99
11) Trichlorofluoromethane	3.948	101	1668113	8.966	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.481	101	1209489	9.831	ppbv	99
13) Ethanol	3.604	45	47503m	13.417	ppbv	
14) Bromoethene	3.739	108	557821	10.085	ppbv	99
15) Acetone	3.845	43	1281021	10.510	ppbv	97
16) 1,3-Butadiene	3.327	39	703717	10.740	ppbv	100
17) tert-Butyl alcohol	4.279	59	1176542	12.444	ppbv	98
18) 1,1-Dichloroethene	4.288	96	552147	10.004	ppbv	93
19) Isopropyl Alcohol	3.954	45	638764m	11.173	ppbv	
20) Methylene Chloride	4.343	84	454818	8.854	ppbv	95
21) Allyl Chloride	4.411	41	821004	9.985	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	544854	10.260	ppbv	95
23) Vinyl Acetate	5.070	43	889024	8.815	ppbv	98
24) 1,1-Dichloroethane	5.009	63	1136302	8.223	ppbv	100
25) Ethyl Acetate	5.668	43	3385148	12.322	ppbv	98
26) Hexane	5.684	57	1365136	11.307	ppbv	91
27) Carbon Disulfide	4.549	76	1297281	10.368	ppbv	98
28) Methyl tert-Butyl Ether	5.031	73	1180732	8.859	ppbv	98
29) Chloroform	5.748	83	2070139	10.190	ppbv	99
30) Cyclohexane	7.128	84	1202528	11.857	ppbv	95
31) cis-1,2-Dichloroethene	5.546	61	1293911	10.511	ppbv	88
32) 1,1,1-Trichloroethane	6.507	97	2068706	10.406	ppbv	97
34) 2-Butanone	5.237	43	1817291	9.721	ppbv	96
35) Carbon Tetrachloride	7.012	117	2108752	8.396	ppbv	99
36) Benzene	6.886	78	2921738	10.459	ppbv	97
37) 1,2-Dichloroethane	6.301	62	1420303	7.725	ppbv #	94
38) Trichloroethene	7.828	130	1231151	9.595	ppbv	95
39) 1,2-Dichloropropane	7.610	63	1132835	10.195	ppbv	90
40) 1,4-Dioxane	7.822	88	405641	11.089	ppbv #	1
41) Tetrahydrofuran	6.041	42	1187848	10.565	ppbv	99
42) Bromodichloromethane	7.787	83	2304190	9.031	ppbv	98
43) Methyl Methacrylate	8.005	69	1239226	11.388	ppbv	94
44) 2,2,4-Trimethylpentane	7.864	57	4772477	9.766	ppbv	97
45) t-1,3-Dichloropropene	9.269	75	946302	8.350	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	1339942	8.950	ppbv	95
47) 1,1,2-Trichloroethane	9.465	97	1237090	10.671	ppbv	99
48) Dibromochloromethane	10.295	129	2012537	9.723	ppbv	99
49) Bromoform	13.031	173	1701912	9.866	ppbv	99
50) 4-Methyl-2-Pentanone	8.732	43	2909077	10.396	ppbv	97
51) 2-Hexanone	10.124	43	2246007	10.315	ppbv #	98
52) Tetrachloroethene	11.214	164	1117977	10.250	ppbv	99
53) Toluene	9.799	91	3490479	10.851	ppbv	99
54) 1,2-Dibromoethane	10.600	107	1731868	11.118	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.118	131	1525769	9.420	ppbv	94
57) Chlorobenzene	12.140	112	2552780	9.911	ppbv	93
58) Ethyl Benzene	12.703	91	4682115	9.930	ppbv	98
59) m/p-Xylene	12.986	91	7625650m	18.366	ppbv	
60) o-Xylene	13.680	91	3648163	9.350	ppbv	97
61) Styrene	13.520	104	2254281	10.790	ppbv	93
62) Isopropylbenzene	14.658	105	5714405	9.854	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.667	83	2467799	11.269	ppbv	99
64) n-propylbenzene	15.552	120	1542652	10.822	ppbv	87
65) tert-Butylbenzene	16.732	119	5019694	9.466	ppbv	94
66) Benzyl Chloride	16.979	91	375260	5.443	ppbv	99
67) sec-Butylbenzene	17.281	105	7158742	9.894	ppbv	98
69) p-Isopropyltoluene	17.642	119	5992430	9.817	ppbv	97
70) n-Butylbenzene	18.539	91	6153596	9.821	ppbv	98
71) 2-Chlorotoluene	15.442	91	4316871	9.762	ppbv	97
72) 4-Ethyltoluene	15.828	105	4613905	10.090	ppbv	98
73) 1,3,5-Trimethylbenzene	15.986	105	4061050	9.846	ppbv	98
74) 1,2,4-Trimethylbenzene	16.751	105	4284547	9.309	ppbv	93
75) 1,3-Dichlorobenzene	16.986	146	2617122	10.046	ppbv	98
76) 1,4-Dichlorobenzene	17.124	146	2513025	9.668	ppbv	98
77) 1,2-Dichlorobenzene	17.806	146	2572085	9.796	ppbv	98
78) Hexachloro-1,3-Butadiene	23.362	225	1991942	8.296	ppbv	99
79) Naphthalene	22.178	128	3889076	10.976	ppbv	99
80) Naphthalene,2-methyl-	24.960	142	996389	7.569	ppbv	95
81) 1,2,4-Trichlorobenzene	21.908	180	2147665	9.568	ppbv #	100

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

