

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039201.D
 Acq On : 7 Jun 2022 2:00
 Operator : SY/AP
 Sample : VL0606SBL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0606ABS03

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 03:22:16 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	1217179	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3514745	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	3479734	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 2497189 8.680 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 86.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	1651743	7.726	ppbv	99
3) Chlorodifluoromethane	2.990	51	1590661	10.271	ppbv	94
4) Chloromethane	3.144	50	878421	11.042	ppbv	99
5) Vinyl Chloride	3.260	62	831178	11.177	ppbv	96
6) Bromomethane	3.475	94	400698	10.953	ppbv	96
7) Chloroethane	3.555	64	291573	11.252	ppbv	96
8) Dichlorotetrafluoroethane	3.189	85	1989799	10.184	ppbv	95
9) Propene	3.012	41	821811	12.170	ppbv	99
10) Heptane	8.118	43	1983479	12.591	ppbv	98
11) Trichlorofluoromethane	3.951	101	1786680	9.232	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.481	101	1290537	10.084	ppbv	97
13) Ethanol	3.600	45	44843m	12.176	ppbv	
14) Bromoethene	3.742	108	616030	10.707	ppbv	99
15) Acetone	3.845	43	1371292	10.815	ppbv	99
16) 1,3-Butadiene	3.327	39	765249	11.228	ppbv	98
17) tert-Butyl alcohol	4.279	59	1040593	10.581	ppbv	99
18) 1,1-Dichloroethene	4.288	96	608774	10.604	ppbv	97
19) Isopropyl Alcohol	3.961	45	632160	10.630	ppbv #	1
20) Methylene Chloride	4.343	84	496768	9.297	ppbv	98
21) Allyl Chloride	4.411	41	938115	10.968	ppbv	99
22) trans-1,2-Dichloroethene	4.883	96	609853	11.040	ppbv	99
23) Vinyl Acetate	5.070	43	1369632	13.056	ppbv	98
24) 1,1-Dichloroethane	5.009	63	1292188	8.990	ppbv	99
25) Ethyl Acetate	5.671	43	3315076	11.601	ppbv	100
26) Hexane	5.684	57	1463580	11.654	ppbv	97
27) Carbon Disulfide	4.549	76	1413295	10.858	ppbv	100
28) Methyl tert-Butyl Ether	5.031	73	1425532	10.282	ppbv	100
29) Chloroform	5.748	83	2233624	10.570	ppbv	99
30) Cyclohexane	7.128	84	1301198	12.334	ppbv	94
31) cis-1,2-Dichloroethene	5.546	61	1423839	11.119	ppbv	88
32) 1,1,1-Trichloroethane	6.504	97	2217853	10.725	ppbv	97
34) 2-Butanone	5.237	43	2027250	10.617	ppbv	98
35) Carbon Tetrachloride	7.015	117	2238835	8.727	ppbv	97
36) Benzene	6.886	78	3169710	11.108	ppbv	97
37) 1,2-Dichloroethane	6.301	62	1572780	8.375	ppbv #	94
38) Trichloroethene	7.825	130	1542768	11.771	ppbv	92
39) 1,2-Dichloropropane	7.607	63	1212676	10.684	ppbv	93
40) 1,4-Dioxane	7.819	88	419767	11.234	ppbv #	1
41) Tetrahydrofuran	6.041	42	1306513	11.376	ppbv	99
42) Bromodichloromethane	7.787	83	2430374	9.325	ppbv	97
43) Methyl Methacrylate	8.005	69	1267977	11.408	ppbv	94
44) 2,2,4-Trimethylpentane	7.864	57	5095936	10.209	ppbv	97
45) t-1,3-Dichloropropene	9.272	75	1356791	11.721	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	1735171	11.347	ppbv	94
47) 1,1,2-Trichloroethane	9.468	97	1302518	11.000	ppbv	98
48) Dibromochloromethane	10.295	129	2136386	10.105	ppbv	99
49) Bromoform	13.031	173	1768125	10.035	ppbv	99
50) 4-Methyl-2-Pentanone	8.732	43	3130813	10.954	ppbv	98
51) 2-Hexanone	10.121	43	2454794	11.037	ppbv #	97
52) Tetrachloroethene	11.214	164	1172026	10.520	ppbv	97
53) Toluene	9.796	91	3727738	11.345	ppbv	99
54) 1,2-Dibromoethane	10.603	107	1787261	11.232	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.115	131	1529089	9.287	ppbv	98
57) Chlorobenzene	12.137	112	2697430	10.302	ppbv	93
58) Ethyl Benzene	12.703	91	4883045	10.188	ppbv	97
59) m/p-Xylene	12.986	91	8048869m	19.069	ppbv	
60) o-Xylene	13.684	91	3826256	9.647	ppbv	96
61) Styrene	13.516	104	2467846	11.619	ppbv	93
62) Isopropylbenzene	14.655	105	5681275	9.638	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.664	83	2022579	9.085	ppbv	99
64) n-propylbenzene	15.552	120	1521927	10.502	ppbv	87
65) tert-Butylbenzene	16.735	119	4978199	9.235	ppbv	94
66) Benzyl Chloride	16.976	91	807826	11.525	ppbv	99
67) sec-Butylbenzene	17.285	105	7005509	9.525	ppbv	98
69) p-Isopropyltoluene	17.642	119	5858525	9.441	ppbv	97
70) n-Butylbenzene	18.539	91	5974325	9.380	ppbv	99
71) 2-Chlorotoluene	15.442	91	4289910	9.543	ppbv	97
72) 4-Ethyltoluene	15.825	105	4671446	10.049	ppbv	98
73) 1,3,5-Trimethylbenzene	15.986	105	4150697	9.900	ppbv	98
74) 1,2,4-Trimethylbenzene	16.754	105	4382855	9.367	ppbv #	88
75) 1,3-Dichlorobenzene	16.986	146	2634803	9.949	ppbv	98
76) 1,4-Dichlorobenzene	17.127	146	2605454	9.861	ppbv	97
77) 1,2-Dichlorobenzene	17.802	146	2558165	9.584	ppbv	99
78) Hexachloro-1,3-Butadiene	23.362	225	2022879	8.288	ppbv	99
79) Naphthalene	22.178	128	4184864	11.619	ppbv	99
80) Naphthalene,2-methyl-	24.956	142	1599572	11.953	ppbv	94
81) 1,2,4-Trichlorobenzene	21.912	180	2302073	10.089	ppbv #	100

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

