

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038407.D
 Acq On : 23 Feb 2022 13:23
 Operator : SY/AP
 Sample : VL0223ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:26:21 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 19:45:51 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	5.674	49	941940	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.182	114	2289885	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.089	117	2017212m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 1719304 10.301 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1324213	8.876	ppbv	98
3) Chlorodifluoromethane	2.999	51	1571001	9.445	ppbv	99
4) Chloromethane	3.150	50	548849	9.497	ppbv	95
5) Vinyl Chloride	3.266	62	560460	9.276	ppbv	96
6) Bromomethane	3.484	94	318041	9.980	ppbv	99
7) Chloroethane	3.568	64	192085	9.899	ppbv	98
8) Dichlorotetrafluoroethane	3.198	85	1370833	9.878	ppbv	98
9) Propene	3.021	41	518432	9.440	ppbv	100
10) Heptane	8.131	43	1322625	9.894	ppbv	99
11) Trichlorofluoromethane	3.960	101	1389945	9.731	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.494	101	946650	9.040	ppbv	98
13) Ethanol	3.626	45	40984	7.478	ppbv	100
14) Bromoethene	3.751	108	409644	9.819	ppbv	99
15) Acetone	3.861	43	675513	8.433	ppbv	98
16) 1,3-Butadiene	3.337	39	541563	10.122	ppbv	98
17) tert-Butyl alcohol	4.295	59	786115	9.837	ppbv	99
18) 1,1-Dichloroethene	4.298	96	422944	9.199	ppbv	99
19) Isopropyl Alcohol	3.973	45	444236	9.577	ppbv #	98
20) Methylene Chloride	4.353	84	331827	8.361	ppbv	95
21) Allyl Chloride	4.420	41	621855	9.191	ppbv	97
22) trans-1,2-Dichloroethene	4.893	96	443435	9.559	ppbv	98
23) Vinyl Acetate	5.079	43	970702	9.144	ppbv	99
24) 1,1-Dichloroethane	5.018	63	874742	9.166	ppbv	100
25) Ethyl Acetate	5.684	43	2071602	9.626	ppbv	99
26) Hexane	5.693	57	939860	9.644	ppbv	99
27) Carbon Disulfide	4.558	76	1071525	9.884	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	932027	9.389	ppbv	98
29) Chloroform	5.758	83	1562392	9.823	ppbv	98
30) Cyclohexane	7.137	84	776322	9.740	ppbv	99
31) cis-1,2-Dichloroethene	5.558	61	943768	9.995	ppbv	99
32) 1,1,1-Trichloroethane	6.517	97	1556477	9.730	ppbv	99
34) 2-Butanone	5.250	43	934565	12.977	ppbv	100
35) Carbon Tetrachloride	7.025	117	1606163	9.975	ppbv	99
36) Benzene	6.899	78	1967952	9.762	ppbv	97
37) 1,2-Dichloroethane	6.311	62	1172361	10.064	ppbv	100
38) Trichloroethene	7.841	130	685426	9.335	ppbv	98
39) 1,2-Dichloropropane	7.619	63	771785	9.612	ppbv	96
40) 1,4-Dioxane	7.841	88	174529	9.164	ppbv #	1
41) Tetrahydrofuran	6.060	42	497036	10.214	ppbv	99
42) Bromodichloromethane	7.796	83	1720198	10.226	ppbv	99
43) Methyl Methacrylate	8.018	69	734895	10.487	ppbv	99
44) 2,2,4-Trimethylpentane	7.873	57	3361736	9.702	ppbv	100
45) t-1,3-Dichloropropene	9.282	75	595692	10.636	ppbv	98

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Quant Time: Feb 24 07:26:21 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL02222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	752515	10.252	ppbv	95
47) 1,1,2-Trichloroethane	9.481	97	761442	9.532	ppbv	95
48) Dibromochloromethane	10.307	129	1280952	9.807	ppbv	100
49) Bromoform	13.044	173	870254	9.026	ppbv	99
50) 4-Methyl-2-Pentanone	8.748	43	1316867	10.342	ppbv	99
51) 2-Hexanone	10.140	43	574392	10.076	ppbv #	99
52) Tetrachloroethene	11.227	164	596848	8.919	ppbv	97
53) Toluene	9.809	91	2147479	9.811	ppbv	100
54) 1,2-Dibromoethane	10.616	107	1094405	9.732	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.130	131	815908	9.704	ppbv #	54
57) Chlorobenzene	12.150	112	1435607	9.224	ppbv	99
58) Ethyl Benzene	12.712	91	2734093	9.912	ppbv	99
59) m/p-Xylene	12.995	91	4562158m	19.258	ppbv	
60) o-Xylene	13.696	91	2119047	9.462	ppbv	100
61) Styrene	13.529	104	1044659	10.114	ppbv	98
62) Isopropylbenzene	14.667	105	2800752	9.318	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.680	83	1436753	7.896	ppbv	99
64) n-propylbenzene	15.561	120	680815	9.149	ppbv	92
65) tert-Butylbenzene	16.748	119	2274292	8.736	ppbv	99
66) Benzyl Chloride	16.986	91	104923	7.459	ppbv	97
67) sec-Butylbenzene	17.294	105	3178352	8.617	ppbv	99
69) p-Isopropyltoluene	17.654	119	2540739	8.769	ppbv	99
70) n-Butylbenzene	18.548	91	2674477	8.920	ppbv	99
71) 2-Chlorotoluene	15.455	91	2048526	8.863	ppbv	100
72) 4-Ethyltoluene	15.841	105	2250266	9.120	ppbv	99
73) 1,3,5-Trimethylbenzene	15.998	105	2007998	8.961	ppbv	99
74) 1,2,4-Trimethylbenzene	16.764	105	2072179	8.759	ppbv	98
75) 1,3-Dichlorobenzene	16.998	146	1100211	8.303	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	1036422	7.932	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	1045636	8.198	ppbv	100
78) Hexachloro-1,3-Butadiene	23.371	225	831271	8.546	ppbv	100
79) Naphthalene	22.194	128	1586887	12.380	ppbv	99
80) Naphthalene,2-methyl-	24.972	142	237416	9.477	ppbv	96
81) 1,2,4-Trichlorobenzene	21.924	180	854048	11.020	ppbv	99

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

