

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040143.D
 Acq On : 6 Feb 2023 12:46
 Operator : SY/MD
 Sample : VL0206ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0206ABS01

Quant Time: Feb 07 05:54:12 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/07/2023
 Supervised By : Mahesh Dadoda 02/08/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	929440	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2389209	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2394282m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1797347 9.032 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 90.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1666617	10.227	ppbv	97
3) Chlorodifluoromethane	2.661	51	1072790	9.623	ppbv	98
4) Chloromethane	2.799	50	668722	9.706	ppbv	98
5) Vinyl Chloride	2.906	62	586659	10.043	ppbv	100
6) Bromomethane	3.105	94	195737	9.183	ppbv	98
7) Chloroethane	3.182	64	211195	9.459	ppbv	96
8) Dichlorotetrafluoroethane	2.844	85	1474017	9.689	ppbv	100
9) Propene	2.680	41	418795	9.042	ppbv	92
10) Heptane	7.574	43	1112027	10.417	ppbv	99
11) Trichlorofluoromethane	3.552	101	1530124	9.408	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1124399	9.196	ppbv	96
13) Ethanol	3.227	45	32286m	7.573	ppbv	
14) Bromoethene	3.352	108	458593	10.104	ppbv	98
15) Acetone	3.455	43	1009690	9.058	ppbv	99
16) 1,3-Butadiene	2.970	39	532023	10.237	ppbv	97
17) tert-Butyl alcohol	3.867	59	1026856	9.893	ppbv	100
18) 1,1-Dichloroethene	3.867	96	510542	9.611	ppbv	95
19) Isopropyl Alcohol	3.565	45	474323	8.697	ppbv #	97
20) Methylene Chloride	3.922	84	438024	8.907	ppbv	99
21) Allyl Chloride	3.986	41	710197	9.923	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	533413	9.827	ppbv	98
23) Vinyl Acetate	4.616	43	357226	9.886	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1069462	9.774	ppbv	99
25) Ethyl Acetate	5.195	43	2034084	10.358	ppbv	99
26) Hexane	5.205	57	872190	10.149	ppbv	98
27) Carbon Disulfide	4.115	76	1236692	11.108	ppbv	100
28) Methyl tert-Butyl Ether	4.574	73	945957	9.784	ppbv	100
29) Chloroform	5.266	83	1483850	10.799	ppbv	99
30) Cyclohexane	6.597	84	737715	10.798	ppbv	96
31) cis-1,2-Dichloroethene	5.073	61	795824	9.565	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	1483281	10.621	ppbv	100
34) 2-Butanone	4.777	43	1146290	10.143	ppbv	99
35) Carbon Tetrachloride	6.487	117	1554176	11.505	ppbv	99
36) Benzene	6.365	78	1842036	10.418	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1145467	10.079	ppbv	100
38) Trichloroethene	7.288	130	1100729	10.969	ppbv	98
39) 1,2-Dichloropropane	7.069	63	701252	10.140	ppbv	97
40) 1,4-Dioxane	7.282	88	262223	9.554	ppbv #	1
41) Tetrahydrofuran	5.549	42	694503	10.647	ppbv	99
42) Bromodichloromethane	7.243	83	1633560	10.645	ppbv	98
43) Methyl Methacrylate	7.471	69	732825	11.295	ppbv	99
44) 2,2,4-Trimethylpentane	7.323	57	3059186	10.404	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	704156	12.171	ppbv	99

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46) cis-1,3-Dichloropropene	8.143	75	954550	12.074	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	743142	10.206	ppbv	98
48) Dibromochloromethane	9.709	129	1268405	10.839	ppbv	100
49) Bromoform	12.410	173	972279	10.785	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	1858993	10.458	ppbv	99
51) 2-Hexanone	9.552	43	1435495	10.659	ppbv	98
52) Tetrachloroethene	10.616	164	606427	10.485	ppbv	96
53) Toluene	9.217	91	2048683	10.864	ppbv	100
54) 1,2-Dibromoethane	10.008	107	846550	11.105	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	905005	9.712	ppbv	97
57) Chlorobenzene	11.529	112	1545380	9.469	ppbv	98
58) Ethyl Benzene	12.088	91	2762705	10.340	ppbv	100
59) m/p-Xylene	12.371	91	4746636m	19.758	ppbv	
60) o-Xylene	13.063	91	2262119	9.920	ppbv	99
61) Styrene	12.902	104	1285804	10.821	ppbv	99
62) Isopropylbenzene	14.034	105	3150086	9.604	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	734149	8.867	ppbv	99
64) n-propylbenzene	14.921	120	806865	9.896	ppbv	99
65) tert-Butylbenzene	16.095	119	2795503	9.955	ppbv	100
66) Benzyl Chloride	16.333	91	183442	9.559	ppbv #	97
67) sec-Butylbenzene	16.641	105	4003839	10.057	ppbv	100
69) p-Isopropyltoluene	16.998	119	3214135	10.274	ppbv	99
70) n-Butylbenzene	17.892	91	3522185	10.440	ppbv	99
71) 2-Chlorotoluene	14.802	91	2463239	9.765	ppbv	100
72) 4-Ethyltoluene	15.198	105	2562116	10.125	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2285601	10.032	ppbv	100
74) 1,2,4-Trimethylbenzene	16.114	105	2506625	9.932	ppbv	96
75) 1,3-Dichlorobenzene	16.336	146	1389669	9.914	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1369954	9.940	ppbv	100
77) 1,2-Dichlorobenzene	17.149	146	1382013	10.310	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	919541	9.365	ppbv	99
79) Naphthalene	21.387	128	1856508	12.841	ppbv	98
80) Naphthalene,2-methyl-	24.377	142	314895	6.464	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	976675	10.960	ppbv	99

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

