

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040218.D
 Acq On : 23 Feb 2023 11:58
 Operator : SY/MD
 Sample : VL0223ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0223ABS01

Quant Time: Feb 24 00:46:23 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	871475	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2171526	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2150544	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1780915 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1445685	8.901	ppbv	98
3) Chlorodifluoromethane	2.664	51	1016411	9.763	ppbv	99
4) Chloromethane	2.803	50	631380	9.655	ppbv	92
5) Vinyl Chloride	2.912	62	547164	10.412	ppbv	99
6) Bromomethane	3.111	94	188956	9.963	ppbv	98
7) Chloroethane	3.189	64	210694	10.111	ppbv	96
8) Dichlorotetrafluoroethane	2.848	85	1392131	9.947	ppbv	100
9) Propene	2.684	41	423541	9.981	ppbv	100
10) Heptane	7.581	43	1065248	10.547	ppbv	100
11) Trichlorofluoromethane	3.555	101	1487802	10.209	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.060	101	1110499	10.329	ppbv	98
13) Ethanol	3.237	45	26021m	6.661	ppbv	
14) Bromoethene	3.356	108	441711	10.714	ppbv	99
15) Acetone	3.459	43	961488	9.164	ppbv	99
16) 1,3-Butadiene	2.976	39	494147	10.313	ppbv	97
17) tert-Butyl alcohol	3.870	59	1010948	10.565	ppbv	99
18) 1,1-Dichloroethene	3.873	96	482070	10.320	ppbv	97
19) Isopropyl Alcohol	3.565	45	471376	9.451	ppbv #	98
20) Methylene Chloride	3.928	84	421874	7.724	ppbv	98
21) Allyl Chloride	3.989	41	690150	10.725	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	509453	10.532	ppbv	92
23) Vinyl Acetate	4.619	43	338091	10.618	ppbv	98
24) 1,1-Dichloroethane	4.558	63	1031018	10.359	ppbv	99
25) Ethyl Acetate	5.201	43	1944643	9.970	ppbv	100
26) Hexane	5.211	57	818900	9.780	ppbv	99
27) Carbon Disulfide	4.118	76	1231866	11.594	ppbv	98
28) Methyl tert-Butyl Ether	4.581	73	927036	10.333	ppbv	99
29) Chloroform	5.272	83	1436917	9.994	ppbv	96
30) Cyclohexane	6.603	84	698241	10.620	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	792484	9.961	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1436781	10.637	ppbv	100
34) 2-Butanone	4.780	43	1099824	10.267	ppbv	99
35) Carbon Tetrachloride	6.491	117	1497063	11.662	ppbv	98
36) Benzene	6.372	78	1757090	10.397	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1118543	10.583	ppbv	99
38) Trichloroethene	7.291	130	1042350	11.194	ppbv	96
39) 1,2-Dichloropropane	7.073	63	676623	10.292	ppbv	95
40) 1,4-Dioxane	7.288	88	245108	9.321	ppbv #	1
41) Tetrahydrofuran	5.552	42	669982	10.793	ppbv	99
42) Bromodichloromethane	7.253	83	1588841	10.891	ppbv	99
43) Methyl Methacrylate	7.478	69	707110	11.308	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	2951154	10.461	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	672315	12.121	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	898040	11.621	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	737396	10.371	ppbv	99
48) Dibromochloromethane	9.716	129	1272329	11.187	ppbv	98
49) Bromoform	12.413	173	1013748	11.420	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1844636	11.091	ppbv	99
51) 2-Hexanone	9.552	43	1400951	10.952	ppbv #	99
52) Tetrachloroethene	10.622	164	584552	11.077	ppbv	97
53) Toluene	9.224	91	2008542	11.097	ppbv	100
54) 1,2-Dibromoethane	10.015	107	818703	11.066	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	922614	10.220	ppbv	98
57) Chlorobenzene	11.532	112	1541045	9.808	ppbv	99
58) Ethyl Benzene	12.095	91	2756972	10.551	ppbv	99
59) m/p-Xylene	12.378	91	4771656m	20.618	ppbv	
60) o-Xylene	13.066	91	2307747	10.363	ppbv	100
61) Styrene	12.905	104	1297943	11.102	ppbv	99
62) Isopropylbenzene	14.037	105	3244245	10.150	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	763827	9.518	ppbv	99
64) n-propylbenzene	14.924	120	814933	10.301	ppbv	95
65) tert-Butylbenzene	16.101	119	2817752	10.141	ppbv	99
66) Benzyl Chloride	16.336	91	184692	9.989	ppbv	98
67) sec-Butylbenzene	16.641	105	4004853	10.051	ppbv	99
69) p-Isopropyltoluene	17.005	119	3173563	10.046	ppbv	99
70) n-Butylbenzene	17.892	91	3433946	10.015	ppbv	100
71) 2-Chlorotoluene	14.809	91	2482565	10.155	ppbv	100
72) 4-Ethyltoluene	15.198	105	2606326	10.588	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2307135	10.072	ppbv	100
74) 1,2,4-Trimethylbenzene	16.114	105	2496174	9.921	ppbv	94
75) 1,3-Dichlorobenzene	16.342	146	1346663	9.780	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1308898	9.701	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1294517	9.465	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	792486m	8.434	ppbv	
79) Naphthalene	21.397	128	1544011	10.923	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	316582	7.876	ppbv	97
81) 1,2,4-Trichlorobenzene	21.149	180	848826	9.596	ppbv	98

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

