

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040428.D
 Acq On : 12 May 2023 22:15
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:49:33 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1092131	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2825974	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2831580m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2098566 8.962 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1599145	8.121	ppbv	99
3) Chlorodifluoromethane	2.655	51	1295843	9.080	ppbv	99
4) Chloromethane	2.793	50	829657	9.203	ppbv	99
5) Vinyl Chloride	2.903	62	708725	9.524	ppbv	98
6) Bromomethane	3.102	94	224042	9.138	ppbv	99
7) Chloroethane	3.179	64	257536	9.139	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1720256	8.939	ppbv	97
9) Propene	2.674	41	551433	9.781	ppbv	98
10) Heptane	7.574	43	1353702	10.565	ppbv	99
11) Trichlorofluoromethane	3.546	101	1711027	8.584	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1245918	8.936	ppbv	99
13) Ethanol	3.224	45	40702m	8.648	ppbv	
14) Bromoethene	3.349	108	544441	9.550	ppbv	98
15) Acetone	3.449	43	1260583	8.149	ppbv	99
16) 1,3-Butadiene	2.967	39	635991	9.935	ppbv	98
17) tert-Butyl alcohol	3.861	59	1380653	9.720	ppbv	99
18) 1,1-Dichloroethene	3.864	96	570059	9.066	ppbv	92
19) Isopropyl Alcohol	3.555	45	663493	9.400	ppbv	98
20) Methylene Chloride	3.915	84	495554	8.024	ppbv	96
21) Allyl Chloride	3.980	41	868869	9.886	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	575680	9.158	ppbv	95
23) Vinyl Acetate	4.613	43	356647	9.056	ppbv #	95
24) 1,1-Dichloroethane	4.549	63	1193755	9.108	ppbv	99
25) Ethyl Acetate	5.192	43	2523613	9.695	ppbv	100
26) Hexane	5.198	57	1075128	9.798	ppbv	98
27) Carbon Disulfide	4.108	76	1412430	9.946	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	1060114	9.359	ppbv	98
29) Chloroform	5.263	83	1829808	9.361	ppbv	96
30) Cyclohexane	6.594	84	929679	10.939	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	1109564	10.202	ppbv	99
32) 1,1,1-Trichloroethane	5.992	97	1815793	9.561	ppbv	100
34) 2-Butanone	4.774	43	1501120	9.851	ppbv	100
35) Carbon Tetrachloride	6.484	117	1853219	9.316	ppbv	97
36) Benzene	6.362	78	2295928	9.958	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1404939	9.277	ppbv	99
38) Trichloroethene	7.285	130	1375597	10.483	ppbv	96
39) 1,2-Dichloropropane	7.066	63	877870	9.677	ppbv	97
40) 1,4-Dioxane	7.282	88	337941	9.726	ppbv #	98
41) Tetrahydrofuran	5.542	42	856490	10.263	ppbv	100
42) Bromodichloromethane	7.243	83	1983927	9.592	ppbv	98
43) Methyl Methacrylate	7.468	69	909194	10.617	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3741695	9.716	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	869134	11.362	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1189748	11.174	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	953361	9.584	ppbv	99
48) Dibromochloromethane	9.709	129	1598273	9.977	ppbv	100
49) Bromoform	12.407	173	1232605	9.865	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2347228	10.159	ppbv	99
51) 2-Hexanone	9.545	43	1840673	10.781	ppbv	99
52) Tetrachloroethene	10.613	164	780103	10.817	ppbv	97
53) Toluene	9.217	91	2625033	10.739	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1034821	10.261	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1146349	8.870	ppbv	96
57) Chlorobenzene	11.526	112	1994175	8.995	ppbv	96
58) Ethyl Benzene	12.089	91	3513040	10.086	ppbv	99
59) m/p-Xylene	12.375	91	6018761m	18.790	ppbv	
60) o-Xylene	13.060	91	2877332	9.359	ppbv	100
61) Styrene	12.899	104	1665770	10.817	ppbv	98
62) Isopropylbenzene	14.031	105	4056316	9.162	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	893044	7.938	ppbv	99
64) n-propylbenzene	14.918	120	1038304	9.531	ppbv	96
65) tert-Butylbenzene	16.092	119	3563903	9.149	ppbv	99
66) Benzyl Chloride	16.330	91	241862	10.029	ppbv	100
67) sec-Butylbenzene	16.638	105	5117617	9.147	ppbv	99
69) p-Isopropyltoluene	16.998	119	4179405	9.567	ppbv	99
70) n-Butylbenzene	17.889	91	4668386	9.639	ppbv	99
71) 2-Chlorotoluene	14.802	91	3119146	9.177	ppbv	99
72) 4-Ethyltoluene	15.198	105	3325412	9.799	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2969849	9.473	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3259853	9.098	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	1815506	9.250	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1766673	9.111	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1793913	9.244	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1519278	9.765	ppbv	99
79) Naphthalene	21.387	128	3333344	13.781	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	990610	13.759	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1696028	11.411	ppbv	99

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

