

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040569.D
 Acq On : 31 Jul 2023 12:23
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:37:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1218065	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	3025030	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	2677318	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2171280 10.247 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	2371144	9.732	ppbv	99
3) Chlorodifluoromethane	2.661	51	1831466	9.486	ppbv	98
4) Chloromethane	2.800	50	724159	9.468	ppbv	93
5) Vinyl Chloride	2.906	62	783976	9.762	ppbv	99
6) Bromomethane	3.105	94	326082	9.619	ppbv	98
7) Chloroethane	3.182	64	269664	9.570	ppbv	94
8) Dichlorotetrafluoroethane	2.841	85	1956618	9.761	ppbv	100
9) Propene	2.681	41	600300	9.082	ppbv	99
10) Heptane	7.574	43	1451876	9.948	ppbv	99
11) Trichlorofluoromethane	3.549	101	2034377	10.348	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.057	101	1445660	10.441	ppbv	96
13) Ethanol	3.224	45	135815	9.444	ppbv	98
14) Bromoethene	3.353	108	615547	10.339	ppbv	99
15) Acetone	3.452	43	1326195	9.459	ppbv	98
16) 1,3-Butadiene	2.970	39	722252	10.211	ppbv	99
17) tert-Butyl alcohol	3.864	59	1646838	11.356	ppbv	99
18) 1,1-Dichloroethene	3.870	96	678300	10.656	ppbv	96
19) Isopropyl Alcohol	3.565	45	931671	11.575	ppbv	100
20) Methylene Chloride	3.922	84	614516	10.304	ppbv	95
21) Allyl Chloride	3.983	41	810682	10.125	ppbv	96
22) trans-1,2-Dichloroethene	4.436	96	678456	10.803	ppbv	94
23) Vinyl Acetate	4.616	43	1413104	10.579	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1373937	10.134	ppbv	99
25) Ethyl Acetate	5.195	43	2633169	9.865	ppbv	100
26) Hexane	5.205	57	1188660	9.585	ppbv	98
27) Carbon Disulfide	4.115	76	1680027	11.518	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	1020835	10.226	ppbv	99
29) Chloroform	5.266	83	2017032	9.807	ppbv	98
30) Cyclohexane	6.597	84	992840	9.622	ppbv	97
31) cis-1,2-Dichloroethene	5.070	61	1236447	10.087	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	2052661	10.199	ppbv	99
34) 2-Butanone	4.777	43	1576022	10.544	ppbv	99
35) Carbon Tetrachloride	6.491	117	2094924	11.507	ppbv	96
36) Benzene	6.365	78	2468841	10.143	ppbv	97
37) 1,2-Dichloroethane	5.799	62	1529069	10.679	ppbv	98
38) Trichloroethene	7.285	130	996855	10.828	ppbv	97
39) 1,2-Dichloropropane	7.069	63	951053	10.150	ppbv	95
40) 1,4-Dioxane	7.285	88	359565	12.269	ppbv #	42
41) Tetrahydrofuran	5.549	42	926255	10.619	ppbv	98
42) Bromodichloromethane	7.246	83	2186547	10.979	ppbv	99
43) Methyl Methacrylate	7.471	69	1002243	11.001	ppbv	99
44) 2,2,4-Trimethylpentane	7.324	57	4042240	10.322	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	668632	11.441	ppbv	99

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	812036	10.830	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	1043219	10.091	ppbv	98
48) Dibromochloromethane	9.709	129	1789017	11.193	ppbv	100
49) Bromoform	12.410	173	1434613	11.321	ppbv	100
50) 4-Methyl-2-Pentanone	8.176	43	2361689	10.874	ppbv	97
51) 2-Hexanone	9.549	43	1704033	11.095	ppbv	98
52) Tetrachloroethene	10.616	164	844441	10.713	ppbv	95
53) Toluene	9.221	91	2816273	10.652	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1358846	10.575	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	1315463	10.971	ppbv	98
57) Chlorobenzene	11.526	112	2188953	10.484	ppbv	98
58) Ethyl Benzene	12.089	91	3808560	11.336	ppbv	98
59) m/p-Xylene	12.372	91	6628445m	22.104	ppbv	
60) o-Xylene	13.056	91	3200348	11.203	ppbv	99
61) Styrene	12.899	104	1596305	12.114	ppbv	98
62) Isopropylbenzene	14.027	105	4609715	10.766	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	2247221	11.233	ppbv	100
64) n-propylbenzene	14.918	120	1193557	10.774	ppbv	94
65) tert-Butylbenzene	16.092	119	4024993	10.618	ppbv	96
66) Benzyl Chloride	16.330	91	337507	12.586	ppbv	95
67) sec-Butylbenzene	16.638	105	5825197	10.459	ppbv	99
69) p-Isopropyltoluene	16.995	119	4757295	10.336	ppbv	98
70) n-Butylbenzene	17.886	91	5269011	10.266	ppbv	99
71) 2-Chlorotoluene	14.802	91	3616131	10.958	ppbv	98
72) 4-Ethyltoluene	15.195	105	3747668	11.191	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	3230001	10.943	ppbv	96
74) 1,2,4-Trimethylbenzene	16.108	105	3630780	10.550	ppbv	99
75) 1,3-Dichlorobenzene	16.330	146	2083137	9.984	ppbv	99
76) 1,4-Dichlorobenzene	16.477	146	2009934	9.824	ppbv	97
77) 1,2-Dichlorobenzene	17.143	146	1992243	9.985	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1474810	7.871	ppbv	100
79) Naphthalene	21.384	128	3069931	10.543	ppbv	98
80) Naphthalene,2-methyl-	24.374	142	1099068	9.154	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1762197	8.782	ppbv	99

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

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Supervised By :Mahesh Dadoda 08/01/2023

[illegible]