

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
 Data File : VL040309.D
 Acq On : 5 Apr 2023 9:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 07:49:28 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1049524	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.632	114	2600377	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2604476m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 2195334 10.066 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	1585248	7.698	ppbv	96
3) Chlorodifluoromethane	2.645	51	1164708	8.825	ppbv	99
4) Chloromethane	2.783	50	733443	9.000	ppbv	100
5) Vinyl Chloride	2.890	62	635381	9.629	ppbv	97
6) Bromomethane	3.089	94	219077	9.574	ppbv	92
7) Chloroethane	3.166	64	236193	9.324	ppbv	96
8) Dichlorotetrafluoroethane	2.829	85	1651124	9.367	ppbv	98
9) Propene	2.665	41	462606	9.150	ppbv	97
10) Heptane	7.558	43	1190532	9.790	ppbv	99
11) Trichlorofluoromethane	3.533	101	1733940	9.294	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.041	101	1224281	8.738	ppbv	97
13) Ethanol	3.218	45	33097m	8.926	ppbv	
14) Bromoethene	3.340	108	510812	9.773	ppbv	100
15) Acetone	3.439	43	1102770	8.631	ppbv	98
16) 1,3-Butadiene	2.954	39	561604	9.670	ppbv	99
17) tert-Butyl alcohol	3.848	59	1244612	10.249	ppbv	100
18) 1,1-Dichloroethene	3.851	96	553116	9.202	ppbv	95
19) Isopropyl Alcohol	3.546	45	572036	9.346	ppbv	98
20) Methylene Chloride	3.906	84	460638	8.570	ppbv	99
21) Allyl Chloride	3.967	41	787165	9.511	ppbv	98
22) trans-1,2-Dichloroethene	4.420	96	576171	9.418	ppbv	96
23) Vinyl Acetate	4.600	43	352011	9.903	ppbv #	94
24) 1,1-Dichloroethane	4.536	63	1157395	9.128	ppbv	99
25) Ethyl Acetate	5.179	43	2223172	9.294	ppbv	99
26) Hexane	5.189	57	934136	9.513	ppbv	97
27) Carbon Disulfide	4.095	76	1357731	9.900	ppbv	98
28) Methyl tert-Butyl Ether	4.558	73	1026457	9.104	ppbv	99
29) Chloroform	5.250	83	1640656	9.462	ppbv	100
30) Cyclohexane	6.578	84	788179	10.186	ppbv	99
31) cis-1,2-Dichloroethene	5.053	61	967578	10.118	ppbv	97
32) 1,1,1-Trichloroethane	5.979	97	1675806	10.088	ppbv	99
34) 2-Butanone	4.761	43	1213646	9.457	ppbv	100
35) Carbon Tetrachloride	6.471	117	1718818	10.533	ppbv	99
36) Benzene	6.349	78	1949887	9.839	ppbv	99
37) 1,2-Dichloroethane	5.783	62	1278821	9.915	ppbv	100
38) Trichloroethene	7.272	130	1174916	10.849	ppbv	98
39) 1,2-Dichloropropane	7.053	63	755024	9.711	ppbv	99
40) 1,4-Dioxane	7.266	88	297240	9.664	ppbv	83
41) Tetrahydrofuran	5.533	42	715027	9.654	ppbv	99
42) Bromodichloromethane	7.227	83	1775072	10.071	ppbv	99
43) Methyl Methacrylate	7.455	69	776145	10.539	ppbv	100
44) 2,2,4-Trimethylpentane	7.304	57	3315388	10.034	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	738174	11.498	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1023482	11.227	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	795544	9.590	ppbv	94
48) Dibromochloromethane	9.690	129	1378125	10.095	ppbv	100
49) Bromoform	12.391	173	1042066	10.163	ppbv	99
50) 4-Methyl-2-Pentanone	8.159	43	2025841	10.201	ppbv	98
51) 2-Hexanone	9.529	43	1528819	9.937	ppbv	99
52) Tetrachloroethene	10.597	164	634525	10.583	ppbv	98
53) Toluene	9.201	91	2187758	10.535	ppbv	99
54) 1,2-Dibromoethane	9.989	107	871255	10.203	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.491	131	995296	9.084	ppbv	97
57) Chlorobenzene	11.510	112	1656774	8.943	ppbv	99
58) Ethyl Benzene	12.073	91	2959995	9.981	ppbv	100
59) m/p-Xylene	12.355	91	5181804m	19.074	ppbv	
60) o-Xylene	13.040	91	2476158	9.534	ppbv	100
61) Styrene	12.880	104	1377056	10.449	ppbv	99
62) Isopropylbenzene	14.015	105	3497207	9.456	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.027	83	767925	8.403	ppbv	98
64) n-propylbenzene	14.902	120	873825	9.655	ppbv	99
65) tert-Butylbenzene	16.076	119	3093468	9.706	ppbv	99
66) Benzyl Chloride	16.313	91	210277	10.152	ppbv	99
67) sec-Butylbenzene	16.619	105	4514501	9.905	ppbv	99
69) p-Isopropyltoluene	16.982	119	3688005	10.390	ppbv	100
70) n-Butylbenzene	17.873	91	4155480	10.626	ppbv	100
71) 2-Chlorotoluene	14.783	91	2690163	9.557	ppbv	100
72) 4-Ethyltoluene	15.178	105	2864135	10.087	ppbv	98
73) 1,3,5-Trimethylbenzene	15.336	105	2585319	10.052	ppbv	98
74) 1,2,4-Trimethylbenzene	16.095	105	2882253	9.827	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	1584906	9.977	ppbv	100
76) 1,4-Dichlorobenzene	16.455	146	1550564	10.234	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1564951	10.249	ppbv	100
78) Hexachloro-1,3-Butadiene	22.622	225	1037956	9.269	ppbv	99
79) Naphthalene	21.368	128	2037309	11.741	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	313498	7.134	ppbv	95
81) 1,2,4-Trichlorobenzene	21.124	180	1077268	10.080	ppbv	98

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

