

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021623\
 Data File : VL040190.D
 Acq On : 17 Feb 2023 8:17
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Quant Time: Feb 17 08:48:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 15 17:01:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	998055	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.668	114	2674916	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.491	117	2661555m	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1995612	9.118	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.200%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.726	85	1076128m	5.785	ppbv
3) Chlorodifluoromethane	2.671	51	1141394	9.573	ppbv
4) Chloromethane	2.809	50	766158	10.230	ppbv
5) Vinyl Chloride	2.919	62	649249	10.788	ppbv
6) Bromomethane	3.118	94	199526	9.186	ppbv
7) Chloroethane	3.195	64	237889	9.968	ppbv
8) Dichlorotetrafluoroethane	2.854	85	1460140	9.110	ppbv
9) Propene	2.687	41	541661	11.145	ppbv
10) Heptane	7.594	43	1307522	11.304	ppbv
11) Trichlorofluoromethane	3.565	101	1424379	8.534	ppbv
12) 1,1,2-Trichlorotrifluo...	4.070	101	1066374	8.661	ppbv
13) Ethanol	3.240	45	38286m	8.557	ppbv
14) Bromoethene	3.366	108	447564	9.479	ppbv
15) Acetone	3.465	43	1102309	9.174	ppbv
16) 1,3-Butadiene	2.980	39	563532	10.269	ppbv
17) tert-Butyl alcohol	3.877	59	1248505	11.393	ppbv
18) 1,1-Dichloroethene	3.883	96	497582	9.301	ppbv
19) Isopropyl Alcohol	3.575	45	639660	11.199	ppbv #
20) Methylene Chloride	3.935	84	430902	6.889	ppbv
21) Allyl Chloride	3.999	41	791428	10.739	ppbv
22) trans-1,2-Dichloroethene	4.449	96	521430	9.412	ppbv
23) Vinyl Acetate	4.632	43	391742	10.742	ppbv #
24) 1,1-Dichloroethane	4.568	63	1084978	9.519	ppbv
25) Ethyl Acetate	5.211	43	2363054	10.579	ppbv
26) Hexane	5.221	57	1022702	10.665	ppbv
27) Carbon Disulfide	4.128	76	1266838	10.411	ppbv
28) Methyl tert-Butyl Ether	4.591	73	1034271	10.066	ppbv
29) Chloroform	5.285	83	1524927	9.261	ppbv
30) Cyclohexane	6.616	84	852537	11.322	ppbv
31) cis-1,2-Dichloroethene	5.086	61	998213	10.956	ppbv
32) 1,1,1-Trichloroethane	6.015	97	1484973	9.599	ppbv
34) 2-Butanone	4.790	43	1259980	9.549	ppbv
35) Carbon Tetrachloride	6.507	117	1510056	9.549	ppbv
36) Benzene	6.385	78	2177857	10.462	ppbv
37) 1,2-Dichloroethane	5.816	62	1154771	8.870	ppbv
38) Trichloroethene	7.308	130	1217522	10.614	ppbv
39) 1,2-Dichloropropane	7.089	63	829855	10.248	ppbv
40) 1,4-Dioxane	7.301	88	329776	10.180	ppbv
41) Tetrahydrofuran	5.565	42	858154	11.223	ppbv
42) Bromodichloromethane	7.266	83	1687793	9.392	ppbv
43) Methyl Methacrylate	7.488	69	874526	11.354	ppbv
44) 2,2,4-Trimethylpentane	7.343	57	3579970	10.302	ppbv
45) t-1,3-Dichloropropene	8.729	75	829155	12.135	ppbv

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Instrument :
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 ClientSampleId :
 VSTDCCC010EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	1114398	11.707	ppbv	96
47) 1,1,2-Trichloroethane	8.918	97	864045	9.865	ppbv	96
48) Dibromochloromethane	9.732	129	1443702	10.305	ppbv	99
49) Bromoform	12.433	173	1172440	10.722	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2187361	10.676	ppbv	99
51) 2-Hexanone	9.571	43	1704919	10.820	ppbv #	97
52) Tetrachloroethene	10.639	164	751243	11.557	ppbv	97
53) Toluene	9.240	91	2502047	11.222	ppbv	100
54) 1,2-Dibromoethane	10.031	107	972929	10.676	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.532	131	1025515	9.179	ppbv	96
57) Chlorobenzene	11.552	112	1856084	9.545	ppbv	98
58) Ethyl Benzene	12.114	91	3283529	10.154	ppbv	100
59) m/p-Xylene	12.397	91	5483532m	19.145	ppbv	
60) o-Xylene	13.085	91	2606235	9.457	ppbv	97
61) Styrene	12.922	104	1625566	11.235	ppbv	98
62) Isopropylbenzene	14.053	105	3760053	9.505	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.073	83	851663	8.575	ppbv	100
64) n-propylbenzene	14.944	120	985734	10.068	ppbv	93
65) tert-Butylbenzene	16.118	119	3249389	9.449	ppbv	96
66) Benzyl Chloride	16.355	91	224336	9.804	ppbv	97
67) sec-Butylbenzene	16.664	105	4595890	9.319	ppbv	100
69) p-Isopropyltoluene	17.021	119	3741713	9.571	ppbv	98
70) n-Butylbenzene	17.912	91	3887398	9.161	ppbv	99
71) 2-Chlorotoluene	14.825	91	2861959	9.459	ppbv	98
72) 4-Ethyltoluene	15.220	105	3064966	10.060	ppbv	98
73) 1,3,5-Trimethylbenzene	15.378	105	2687571	9.480	ppbv	98
74) 1,2,4-Trimethylbenzene	16.134	105	2850099	9.153	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	1654294	9.708	ppbv	99
76) 1,4-Dichlorobenzene	16.500	146	1597045	9.564	ppbv	98
77) 1,2-Dichlorobenzene	17.169	146	1575661	9.308	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1020863	8.778	ppbv	99
79) Naphthalene	21.416	128	2172224	12.417	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	754358	15.164	ppbv	93
81) 1,2,4-Trichlorobenzene	21.172	180	1168749	10.676	ppbv	99

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

