

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040582.D
 Acq On : 31 Jul 2023 21:22
 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 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:42:20 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	5.182	49	1147688	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2789537	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2762040m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2380986 10.892 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1952873	8.507	ppbv	97
3) Chlorodifluoromethane	2.665	51	1663432	9.144	ppbv	95
4) Chloromethane	2.803	50	627491	8.707	ppbv	96
5) Vinyl Chloride	2.909	62	704712	9.313	ppbv	100
6) Bromomethane	3.108	94	304115	9.522	ppbv	99
7) Chloroethane	3.185	64	259474	9.773	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1818315	9.627	ppbv	99
9) Propene	2.681	41	471829	7.576	ppbv	96
10) Heptane	7.574	43	1278919	9.300	ppbv	100
11) Trichlorofluoromethane	3.552	101	1997751	10.785	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.057	101	1394180	10.687	ppbv	94
13) Ethanol	3.230	45	107726	7.950	ppbv	97
14) Bromoethene	3.356	108	571765	10.193	ppbv	99
15) Acetone	3.455	43	1218819	9.226	ppbv	97
16) 1,3-Butadiene	2.973	39	648683	9.733	ppbv	96
17) tert-Butyl alcohol	3.864	59	1406746	10.295	ppbv	100
18) 1,1-Dichloroethene	3.870	96	632168	10.541	ppbv	98
19) Isopropyl Alcohol	3.562	45	767549	10.121	ppbv #	97
20) Methylene Chloride	3.925	84	539331	9.598	ppbv	93
21) Allyl Chloride	3.986	41	727912	9.649	ppbv	94
22) trans-1,2-Dichloroethene	4.436	96	614325	10.382	ppbv	94
23) Vinyl Acetate	4.616	43	1297806	10.312	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1270894	9.948	ppbv	99
25) Ethyl Acetate	5.195	43	2291267	9.110	ppbv	99
26) Hexane	5.201	57	995367	8.519	ppbv	93
27) Carbon Disulfide	4.115	76	1540376	11.208	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	866058	9.207	ppbv	100
29) Chloroform	5.266	83	1814814	9.364	ppbv	98
30) Cyclohexane	6.597	84	848999	8.732	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	1051109	9.101	ppbv	93
32) 1,1,1-Trichloroethane	5.992	97	1857876	9.798	ppbv	99
34) 2-Butanone	4.774	43	1357126	9.846	ppbv	98
35) Carbon Tetrachloride	6.484	117	1934161	11.521	ppbv	98
36) Benzene	6.362	78	2075959	9.249	ppbv	97
37) 1,2-Dichloroethane	5.796	62	1384849	10.488	ppbv	97
38) Trichloroethene	7.285	130	859277	10.121	ppbv	92
39) 1,2-Dichloropropane	7.066	63	824222	9.539	ppbv	93
40) 1,4-Dioxane	7.278	88	264186	9.776	ppbv #	20
41) Tetrahydrofuran	5.545	42	752281	9.352	ppbv	98
42) Bromodichloromethane	7.240	83	1985356	10.811	ppbv	98
43) Methyl Methacrylate	7.468	69	873527	10.398	ppbv	96
44) 2,2,4-Trimethylpentane	7.317	57	3502372	9.698	ppbv	95
45) t-1,3-Dichloropropene	8.703	75	566145	10.505	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	686602	9.930	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	912244	9.569	ppbv	97
48) Dibromochloromethane	9.703	129	1626185	11.033	ppbv	99
49) Bromoform	12.400	173	1350511	11.557	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2134591	10.658	ppbv	96
51) 2-Hexanone	9.542	43	1526069	10.775	ppbv #	95
52) Tetrachloroethene	10.606	164	724642	9.969	ppbv	97
53) Toluene	9.214	91	2452256	10.058	ppbv	98
54) 1,2-Dibromoethane	10.002	107	1183377	9.987	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1228437	9.931	ppbv	97
57) Chlorobenzene	11.519	112	1999891	9.284	ppbv	96
58) Ethyl Benzene	12.082	91	3440258	9.925	ppbv	96
59) m/p-Xylene	12.365	91	6187287m	20.000	ppbv	
60) o-Xylene	13.053	91	3032022	10.288	ppbv	98
61) Styrene	12.892	104	1431429	10.529	ppbv	97
62) Isopropylbenzene	14.024	105	4361212	9.873	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.040	83	2141806	10.377	ppbv	100
64) n-propylbenzene	14.912	120	1128437	9.874	ppbv	93
65) tert-Butylbenzene	16.085	119	3881193	9.925	ppbv	95
66) Benzyl Chloride	16.320	91	316539	11.442	ppbv	97
67) sec-Butylbenzene	16.632	105	5612051	9.767	ppbv	99
69) p-Isopropyltoluene	16.989	119	4568079	9.621	ppbv	98
70) n-Butylbenzene	17.883	91	5082400	9.598	ppbv	99
71) 2-Chlorotoluene	14.796	91	3410780	10.019	ppbv	98
72) 4-Ethyltoluene	15.188	105	3528480	10.214	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	3081669	10.120	ppbv	95
74) 1,2,4-Trimethylbenzene	16.101	105	3508750	9.883	ppbv	97
75) 1,3-Dichlorobenzene	16.323	146	1991191	9.250	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1961717	9.294	ppbv	98
77) 1,2-Dichlorobenzene	17.137	146	1920120	9.329	ppbv	98
78) Hexachloro-1,3-Butadiene	22.625	225	1381654	7.148	ppbv	100
79) Naphthalene	21.378	128	2849757	9.487	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	807590	6.520	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	1670876	8.071	ppbv	99

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

