

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040265.D
 Acq On : 13 Mar 2023 13:05
 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 03/14/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 04:47:47 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	900864	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2421845	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2276749	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1829439 9.772 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1209793	7.205	ppbv	97
3) Chlorodifluoromethane	2.658	51	1136850	10.564	ppbv	100
4) Chloromethane	2.800	50	734097	10.860	ppbv	94
5) Vinyl Chloride	2.906	62	621333	11.438	ppbv	97
6) Bromomethane	3.105	94	207598	10.589	ppbv	95
7) Chloroethane	3.185	64	232578	10.797	ppbv	100
8) Dichlorotetrafluoroethane	2.841	85	1494548	10.330	ppbv	100
9) Propene	2.677	41	474741	10.822	ppbv	100
10) Heptane	7.581	43	1157829	11.089	ppbv	99
11) Trichlorofluoromethane	3.552	101	1568652	10.413	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	1194766	10.750	ppbv	99
13) Ethanol	3.230	45	31983m	7.920	ppbv	
14) Bromoethene	3.353	108	482653	11.325	ppbv	99
15) Acetone	3.455	43	1092111	10.069	ppbv	100
16) 1,3-Butadiene	2.970	39	550470	11.114	ppbv	97
17) tert-Butyl alcohol	3.867	59	1171558	11.844	ppbv	99
18) 1,1-Dichloroethene	3.870	96	532196	11.021	ppbv	95
19) Isopropyl Alcohol	3.562	45	531259	10.304	ppbv	99
20) Methylene Chloride	3.922	84	448633	7.946	ppbv	95
21) Allyl Chloride	3.986	41	769703	11.571	ppbv	100
22) trans-1,2-Dichloroethene	4.436	96	567854	11.356	ppbv	95
23) Vinyl Acetate	4.619	43	363230	11.035	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1132823	11.010	ppbv	99
25) Ethyl Acetate	5.198	43	2036962	10.103	ppbv	99
26) Hexane	5.208	57	863046	9.971	ppbv	99
27) Carbon Disulfide	4.115	76	1332841	12.135	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1024029	11.042	ppbv	99
29) Chloroform	5.269	83	1413531	9.511	ppbv	96
30) Cyclohexane	6.603	84	789597	11.618	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	863666	10.502	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	1583949	11.344	ppbv	100
34) 2-Butanone	4.777	43	1221814	10.227	ppbv	100
35) Carbon Tetrachloride	6.491	117	1629953	11.385	ppbv	99
36) Benzene	6.369	78	1965320	10.428	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1234082	10.469	ppbv	99
38) Trichloroethene	7.291	130	1133037	10.910	ppbv	98
39) 1,2-Dichloropropane	7.073	63	751890	10.255	ppbv	97
40) 1,4-Dioxane	7.285	88	270273	9.215	ppbv #	1
41) Tetrahydrofuran	5.552	42	742240	10.721	ppbv	99
42) Bromodichloromethane	7.253	83	1731720	10.644	ppbv	98
43) Methyl Methacrylate	7.478	69	780022	11.185	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3242933	10.308	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	738649	11.940	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1009676	11.715	ppbv	94
47) 1,1,2-Trichloroethane	8.905	97	795360	10.030	ppbv	97
48) Dibromochloromethane	9.716	129	1389853	10.958	ppbv	100
49) Bromoform	12.417	173	1077849	10.887	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	2024792	10.915	ppbv	99
51) 2-Hexanone	9.555	43	1557724	10.919	ppbv #	99
52) Tetrachloroethene	10.622	164	630698	10.716	ppbv	98
53) Toluene	9.224	91	2203511	10.916	ppbv	99
54) 1,2-Dibromoethane	10.015	107	899167	10.898	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.516	131	988125	10.339	ppbv	99
57) Chlorobenzene	11.532	112	1672002	10.052	ppbv	98
58) Ethyl Benzene	12.095	91	2945783	10.649	ppbv	96
59) m/p-Xylene	12.381	91	5112887m	20.868	ppbv	
60) o-Xylene	13.066	91	2481377	10.525	ppbv	100
61) Styrene	12.905	104	1380760	11.156	ppbv	99
62) Isopropylbenzene	14.040	105	3453880	10.207	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	817233	9.619	ppbv	99
64) n-propylbenzene	14.925	120	871199	10.402	ppbv	98
65) tert-Butylbenzene	16.098	119	2992036	10.172	ppbv	99
66) Benzyl Chloride	16.336	91	198626	10.147	ppbv	98
67) sec-Butylbenzene	16.648	105	4248223	10.070	ppbv	100
69) p-Isopropyltoluene	17.005	119	3388593	10.132	ppbv	100
70) n-Butylbenzene	17.895	91	3680214	10.139	ppbv	100
71) 2-Chlorotoluene	14.812	91	2640588	10.203	ppbv	99
72) 4-Ethyltoluene	15.204	105	2758907	10.586	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2468023	10.177	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	2658746	9.982	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	1439203	9.873	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1383890	9.688	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1368757	9.453	ppbv	100
78) Hexachloro-1,3-Butadiene	22.644	225	942960	9.479	ppbv	99
79) Naphthalene	21.397	128	1880248	12.565	ppbv	100
80) Naphthalene,2-methyl-	24.384	142	433264	10.182	ppbv	99
81) 1,2,4-Trichlorobenzene	21.149	180	1009732	10.783	ppbv	97

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

