

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040776.D
 Acq On : 23 Oct 2023 12:50
 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 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 05:33:39 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1004603	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.642	114	2790361	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.452	117	2769375m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 2022497 9.925 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1629269	9.209	ppbv	98
3) Chlorodifluoromethane	2.671	51	1486202	10.067	ppbv	99
4) Chloromethane	2.809	50	580059	9.950	ppbv	100
5) Vinyl Chloride	2.915	62	583101	9.680	ppbv	98
6) Bromomethane	3.111	94	258939	10.391	ppbv	99
7) Chloroethane	3.189	64	199762	10.187	ppbv	99
8) Dichlorotetrafluoroethane	2.851	85	1369560	10.212	ppbv	97
9) Propene	2.687	41	551184	10.051	ppbv	98
10) Heptane	7.565	43	1357416	9.854	ppbv	99
11) Trichlorofluoromethane	3.555	101	1416774	10.376	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	967000	9.930	ppbv	99
13) Ethanol	3.237	45	122401m	9.888	ppbv	
14) Bromoethene	3.359	108	418827	10.042	ppbv	95
15) Acetone	3.462	43	1014532	9.769	ppbv	97
16) 1,3-Butadiene	2.980	39	550190	10.098	ppbv	98
17) tert-Butyl alcohol	3.870	59	1098800	10.318	ppbv	99
18) 1,1-Dichloroethene	3.870	96	447458	10.252	ppbv	97
19) Isopropyl Alcohol	3.568	45	736355	11.014	ppbv #	39
20) Methylene Chloride	3.925	84	379781	8.779	ppbv	97
21) Allyl Chloride	3.986	41	706789	10.319	ppbv	98
22) trans-1,2-Dichloroethene	4.433	96	474998	10.225	ppbv	98
23) Vinyl Acetate	4.616	43	1252789	9.465	ppbv	99
24) 1,1-Dichloroethane	4.552	63	964950	9.666	ppbv	99
25) Ethyl Acetate	5.195	43	2207870	9.703	ppbv	100
26) Hexane	5.201	57	978883	9.412	ppbv	99
27) Carbon Disulfide	4.115	76	1188783	10.360	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	740543	9.157	ppbv	100
29) Chloroform	5.263	83	1544761	10.265	ppbv	100
30) Cyclohexane	6.584	84	881722	9.963	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1009085	10.529	ppbv	97
32) 1,1,1-Trichloroethane	5.989	97	1585065	9.897	ppbv	100
34) 2-Butanone	4.774	43	1090660	8.635	ppbv	98
35) Carbon Tetrachloride	6.481	117	1669351	10.659	ppbv	96
36) Benzene	6.359	78	2175608	10.137	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1193388	10.857	ppbv	99
38) Trichloroethene	7.279	130	848792	8.936	ppbv	97
39) 1,2-Dichloropropane	7.060	63	842334	10.046	ppbv	98
40) 1,4-Dioxane	7.272	88	359454	11.328	ppbv #	94
41) Tetrahydrofuran	5.545	42	867593	9.919	ppbv	97
42) Bromodichloromethane	7.237	83	1750928	10.634	ppbv	99
43) Methyl Methacrylate	7.462	69	893544	10.400	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	3534010	9.737	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	775167	11.315	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	914484	10.926	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	902390	10.245	ppbv	98
48) Dibromochloromethane	9.696	129	1608151	10.895	ppbv	99
49) Bromoform	12.391	173	1294684	10.790	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2181041	10.094	ppbv	100
51) 2-Hexanone	9.532	43	1651746	10.044	ppbv #	99
52) Tetrachloroethene	10.597	164	814440	9.342	ppbv	96
53) Toluene	9.204	91	2530007	9.905	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1329244	10.765	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.491	131	1131033	10.007	ppbv	98
57) Chlorobenzene	11.510	112	1967868	9.917	ppbv	97
58) Ethyl Benzene	12.073	91	3392339	9.729	ppbv	99
59) m/p-Xylene	12.355	91	5561357m	19.379	ppbv	
60) o-Xylene	13.044	91	2625658	9.602	ppbv	99
61) Styrene	12.880	104	1545314	10.200	ppbv	99
62) Isopropylbenzene	14.015	105	4045350	9.617	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	1851204	9.030	ppbv	100
64) n-propylbenzene	14.902	120	1115455	9.871	ppbv	98
65) tert-Butylbenzene	16.076	119	3569699	9.409	ppbv	100
66) Benzyl Chloride	16.310	91	400328	10.473	ppbv	98
67) sec-Butylbenzene	16.619	105	5026091	9.675	ppbv	99
69) p-Isopropyltoluene	16.979	119	4189593	9.625	ppbv	100
70) n-Butylbenzene	17.870	91	4195898	9.817	ppbv	100
71) 2-Chlorotoluene	14.786	91	3080130	9.747	ppbv	100
72) 4-Ethyltoluene	15.175	105	3261655	10.186	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	2810593	9.969	ppbv	99
74) 1,2,4-Trimethylbenzene	16.095	105	2982040	9.681	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	1880615	9.817	ppbv	99
76) 1,4-Dichlorobenzene	16.455	146	1854064	9.773	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1821527	9.691	ppbv	99
78) Hexachloro-1,3-Butadiene	22.612	225	1134200	8.433	ppbv	99
79) Naphthalene	21.368	128	2836716	11.329	ppbv	100
80) Naphthalene,2-methyl-	24.355	142	851317	12.116	ppbv	98
81) 1,2,4-Trichlorobenzene	21.124	180	1385614	10.193	ppbv	99

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

