

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122222\
 Data File : VL040061.D
 Acq On : 22 Dec 2022 10:11
 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 12/23/2022
 Supervised By : Mahesh Dadoda 12/27/2022

Quant Time: Dec 23 06:25:35 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

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

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	906169	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2509029	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2954329m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1863387 8.257 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 82.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	1484870	8.754	ppbv	98
3) Chlorodifluoromethane	2.649	51	1182817	8.847	ppbv	98
4) Chloromethane	2.787	50	728892	8.701	ppbv	95
5) Vinyl Chloride	2.893	62	650416	9.596	ppbv	97
6) Bromomethane	3.096	94	230899	9.271	ppbv	95
7) Chloroethane	3.170	64	224056	8.761	ppbv	96
8) Dichlorotetrafluoroethane	2.832	85	1602534	8.980	ppbv	99
9) Propene	2.668	41	498072	8.778	ppbv	99
10) Heptane	7.552	43	1258831	9.090	ppbv	99
11) Trichlorofluoromethane	3.536	101	1715807	9.309	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.038	101	1304360	9.344	ppbv	99
13) Ethanol	3.215	45	37954	7.107	ppbv	87
14) Bromoethene	3.340	108	508584	9.675	ppbv	99
15) Acetone	3.440	43	1164508	8.307	ppbv	100
16) 1,3-Butadiene	2.961	39	582100	9.553	ppbv	99
17) tert-Butyl alcohol	3.848	59	1232953	8.922	ppbv	100
18) 1,1-Dichloroethene	3.851	96	563470	9.274	ppbv	98
19) Isopropyl Alcohol	3.549	45	621785	9.000	ppbv #	98
20) Methylene Chloride	3.906	84	495567	8.317	ppbv	99
21) Allyl Chloride	3.970	41	804458	9.550	ppbv	99
22) trans-1,2-Dichloroethene	4.420	96	582744	9.623	ppbv	97
23) Vinyl Acetate	4.600	43	444913	10.011	ppbv	99
24) 1,1-Dichloroethane	4.536	63	1186301	9.090	ppbv	99
25) Ethyl Acetate	5.179	43	2177174	8.968	ppbv	99
26) Hexane	5.185	57	911843	8.937	ppbv	99
27) Carbon Disulfide	4.099	76	1429180	11.105	ppbv	99
28) Methyl tert-Butyl Ether	4.559	73	1068494	8.885	ppbv	100
29) Chloroform	5.247	83	1416654	9.098	ppbv	100
30) Cyclohexane	6.574	84	828411	9.168	ppbv	99
31) cis-1,2-Dichloroethene	5.050	61	896909	9.230	ppbv	98
32) 1,1,1-Trichloroethane	5.976	97	1671014	10.024	ppbv	99
34) 2-Butanone	4.758	43	1288674	9.468	ppbv	99
35) Carbon Tetrachloride	6.465	117	1721605	11.047	ppbv	100
36) Benzene	6.343	78	2116329	9.444	ppbv	98
37) 1,2-Dichloroethane	5.777	62	1291737	9.827	ppbv	98
38) Trichloroethene	7.266	130	1228795	10.671	ppbv	96
39) 1,2-Dichloropropane	7.047	63	801639	9.544	ppbv	94
40) 1,4-Dioxane	7.263	88	336314	8.884	ppbv	88
41) Tetrahydrofuran	5.530	42	794385	9.350	ppbv	98
42) Bromodichloromethane	7.224	83	1847404	10.258	ppbv	99
43) Methyl Methacrylate	7.449	69	832885	9.904	ppbv	98
44) 2,2,4-Trimethylpentane	7.298	57	3443209	9.334	ppbv	99
45) t-1,3-Dichloropropene	8.684	75	803260	11.301	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	1079007	10.763	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	863239	9.385	ppbv	99
48) Dibromochloromethane	9.687	129	1452293	10.382	ppbv	99
49) Bromoform	12.385	173	1061306	9.945	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2139149	9.620	ppbv	99
51) 2-Hexanone	9.526	43	1654022	9.562	ppbv #	100
52) Tetrachloroethene	10.594	164	694066	9.110	ppbv	94
53) Toluene	9.195	91	2366078	9.537	ppbv	100
54) 1,2-Dibromoethane	9.983	107	966552	9.758	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.484	131	1027187	7.537	ppbv	98
57) Chlorobenzene	11.504	112	1781753	7.105	ppbv	95
58) Ethyl Benzene	12.066	91	3150429	7.505	ppbv	99
59) m/p-Xylene	12.352	91	5383287m	14.721	ppbv	
60) o-Xylene	13.037	91	2562591	7.315	ppbv	98
61) Styrene	12.873	104	1482669	7.891	ppbv	100
62) Isopropylbenzene	14.008	105	3560756	7.050	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.024	83	834895	6.500	ppbv	99
64) n-propylbenzene	14.896	120	896271	7.025	ppbv	96
65) tert-Butylbenzene	16.069	119	3032687	6.909	ppbv	98
66) Benzyl Chloride	16.307	91	186779	7.297	ppbv	99
67) sec-Butylbenzene	16.616	105	4223572	6.866	ppbv	100
69) p-Isopropyltoluene	16.976	119	3425631	6.972	ppbv	99
70) n-Butylbenzene	17.863	91	3617899	7.028	ppbv	99
71) 2-Chlorotoluene	14.780	91	2689473	6.979	ppbv	100
72) 4-Ethyltoluene	15.172	105	2805030	7.211	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2489690	7.097	ppbv	97
74) 1,2,4-Trimethylbenzene	16.089	105	2688029	6.951	ppbv	97
75) 1,3-Dichlorobenzene	16.307	146	1479644	6.993	ppbv	99
76) 1,4-Dichlorobenzene	16.455	146	1450045	7.019	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1426674	7.030	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	970827	6.896	ppbv #	100
79) Naphthalene	21.362	128	2051516m	8.904	ppbv	
80) Naphthalene,2-methyl-	24.355	142	455656	6.463	ppbv	96
81) 1,2,4-Trichlorobenzene	21.117	180	1019229	7.447	ppbv	100

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

