

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
 Data File : VL039067.D
 Acq On : 17 May 2022 12:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 18 01:46:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 18 01:46:38 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/28/2022

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

Internal Standards						
1) Bromochloromethane	5.680	49	1030436	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.192	114	2746138	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.098	117	2490659m	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	1943765	9.854	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.063	85	1259634	7.802	ppbv	100
3) Chlorodifluoromethane	3.002	51	1264728	9.891	ppbv	96
4) Chloromethane	3.156	50	591045	9.230	ppbv	96
5) Vinyl Chloride	3.275	62	586893	10.037	ppbv	99
6) Bromomethane	3.488	94	260747	9.440	ppbv	97
7) Chloroethane	3.571	64	194784	9.953	ppbv	99
8) Dichlorotetrafluoroethane	3.205	85	1402443	9.584	ppbv	96
9) Propene	3.025	41	584836	10.474	ppbv	96
10) Heptane	8.137	43	1468080	10.717	ppbv	100
11) Trichlorofluoromethane	3.963	101	1317603	9.512	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.500	101	960779	10.068	ppbv	96
13) Ethanol	3.613	45	48215m	12.201	ppbv	
14) Bromoethene	3.754	108	424772	10.795	ppbv	95
15) Acetone	3.861	43	952784	9.802	ppbv	100
16) 1,3-Butadiene	3.343	39	563249	10.086	ppbv	98
17) tert-Butyl alcohol	4.298	59	848775	11.361	ppbv	98
18) 1,1-Dichloroethene	4.304	96	431159	10.498	ppbv	97
19) Isopropyl Alcohol	3.973	45	493866	10.686	ppbv	99
20) Methylene Chloride	4.362	84	342527	9.350	ppbv	98
21) Allyl Chloride	4.423	41	658369	9.940	ppbv	100
22) trans-1,2-Dichloroethene	4.902	96	443104	9.988	ppbv	98
23) Vinyl Acetate	5.086	43	643179	8.363	ppbv #	97
24) 1,1-Dichloroethane	5.025	63	889838	10.048	ppbv	99
25) Ethyl Acetate	5.687	43	2717473	11.681	ppbv	99
26) Hexane	5.703	57	1105176	10.691	ppbv	94
27) Carbon Disulfide	4.565	76	1018436	10.372	ppbv	99
28) Methyl tert-Butyl Ether	5.047	73	842536	10.713	ppbv	98
29) Chloroform	5.767	83	1678400	10.036	ppbv	99
30) Cyclohexane	7.147	84	937530	10.833	ppbv	94
31) cis-1,2-Dichloroethene	5.565	61	1077476	10.231	ppbv	91
32) 1,1,1-Trichloroethane	6.526	97	1690427	10.109	ppbv	98
34) 2-Butanone	5.256	43	1355071	9.672	ppbv	97
35) Carbon Tetrachloride	7.031	117	1694865	9.367	ppbv	98
36) Benzene	6.905	78	2284800	9.722	ppbv	99
37) 1,2-Dichloroethane	6.320	62	1260555	8.669	ppbv	98
38) Trichloroethene	7.848	130	871075	8.338	ppbv	97
39) 1,2-Dichloropropane	7.629	63	888277	9.714	ppbv	95
40) 1,4-Dioxane	7.844	88	307395	9.360	ppbv	93
41) Tetrahydrofuran	6.063	42	921899	9.791	ppbv	100
42) Bromodichloromethane	7.806	83	1842476	9.268	ppbv	98
43) Methyl Methacrylate	8.024	69	992185	10.400	ppbv	96
44) 2,2,4-Trimethylpentane	7.883	57	3788751	9.188	ppbv	98
45) t-1,3-Dichloropropene	9.291	75	755985	8.186	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 18 01:46:38 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.716	75	1068379	8.724	ppbv	93
47) 1,1,2-Trichloroethane	9.491	97	931901	9.799	ppbv	97
48) Dibromochloromethane	10.317	129	1532344	9.899	ppbv	100
49) Bromoform	13.053	173	1216403	10.304	ppbv	99
50) 4-Methyl-2-Pentanone	8.751	43	2297967	9.354	ppbv	98
51) 2-Hexanone	10.143	43	1719458	9.590	ppbv #	97
52) Tetrachloroethene	11.233	164	779602	9.283	ppbv	98
53) Toluene	9.819	91	2665977	10.121	ppbv	100
54) 1,2-Dibromoethane	10.622	107	1337370	10.329	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.137	131	1129730	10.338	ppbv	95
57) Chlorobenzene	12.159	112	1852053	9.920	ppbv	97
58) Ethyl Benzene	12.722	91	3563665	9.942	ppbv	99
59) m/p-Xylene	13.008	91	5947036m	19.435	ppbv	
60) o-Xylene	13.703	91	2800213	9.723	ppbv	100
61) Styrene	13.539	104	1593713	10.365	ppbv	97
62) Isopropylbenzene	14.680	105	4244562	10.078	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.687	83	1917500	11.307	ppbv	100
64) n-propylbenzene	15.571	120	1067398	10.483	ppbv	99
65) tert-Butylbenzene	16.754	119	3654778	9.904	ppbv	96
66) Benzyl Chloride	16.998	91	234669	4.865	ppbv	97
67) sec-Butylbenzene	17.304	105	5263214	9.983	ppbv	100
69) p-Isopropyltoluene	17.664	119	4327163	10.159	ppbv	98
70) n-Butylbenzene	18.558	91	4581111	10.124	ppbv	99
71) 2-Chlorotoluene	15.465	91	3209126	9.884	ppbv	98
72) 4-Ethyltoluene	15.850	105	3283884	10.006	ppbv	98
73) 1,3,5-Trimethylbenzene	16.005	105	2979174	10.083	ppbv	97
74) 1,2,4-Trimethylbenzene	16.773	105	3165841	9.786	ppbv	96
75) 1,3-Dichlorobenzene	17.005	146	1821297	10.275	ppbv	99
76) 1,4-Dichlorobenzene	17.149	146	1728810	9.915	ppbv	98
77) 1,2-Dichlorobenzene	17.828	146	1784187	10.178	ppbv	99
78) Hexachloro-1,3-Butadiene	23.387	225	1347736m	8.365	ppbv	
79) Naphthalene	22.207	128	2562095	9.750	ppbv	100
80) Naphthalene,2-methyl-	24.979	142	660557	8.310	ppbv	94
81) 1,2,4-Trichlorobenzene	21.931	180	1402865	9.111	ppbv	99

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

