

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041322\
 Data File : VL038903.D
 Acq On : 13 Apr 2022 14:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 14 08:24:03 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 13 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 04/25/2022
 Supervised By : Semsettin Yesilyurt 04/25/2022

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

Internal Standards						
1) Bromochloromethane	5.668	49	1201282	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	3003472	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	2776396m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.410	95	2275703	10.806	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.050	85	1600766	9.395	ppbv	100
3) Chlorodifluoromethane	2.993	51	1399061	9.543	ppbv	96
4) Chloromethane	3.140	50	708941	9.339	ppbv	91
5) Vinyl Chloride	3.259	62	667263	9.513	ppbv	93
6) Bromomethane	3.475	94	326764	9.628	ppbv	92
7) Chloroethane	3.562	64	204877	8.759	ppbv	99
8) Dichlorotetrafluoroethane	3.189	85	1562158	9.814	ppbv	95
9) Propene	3.012	41	643208	8.292	ppbv	94
10) Heptane	8.121	43	1639957	8.394	ppbv	98
11) Trichlorofluoromethane	3.951	101	1442961	10.539	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.484	101	1065520	10.159	ppbv	92
13) Ethanol	3.616	45	49907m	10.587	ppbv	
14) Bromoethene	3.742	108	446029	9.670	ppbv	99
15) Acetone	3.848	43	1144132	9.566	ppbv	98
16) 1,3-Butadiene	3.330	39	626896	9.169	ppbv	99
17) tert-Butyl alcohol	4.285	59	852522	7.949	ppbv	99
18) 1,1-Dichloroethene	4.288	96	469695	9.824	ppbv	96
19) Isopropyl Alcohol	3.960	45	588607	9.629	ppbv #	100
20) Methylene Chloride	4.346	84	380155	8.764	ppbv	93
21) Allyl Chloride	4.414	41	782533	8.739	ppbv	98
22) trans-1,2-Dichloroethene	4.886	96	487966	10.080	ppbv	98
23) Vinyl Acetate	5.073	43	1106508	9.500	ppbv	98
24) 1,1-Dichloroethane	5.012	63	970810	9.224	ppbv	99
25) Ethyl Acetate	5.674	43	2749267	9.060	ppbv	100
26) Hexane	5.687	57	1218134	8.819	ppbv	99
27) Carbon Disulfide	4.552	76	1180882	9.322	ppbv	100
28) Methyl tert-Butyl Ether	5.031	73	918217	8.607	ppbv	98
29) Chloroform	5.751	83	1937466	10.025	ppbv	100
30) Cyclohexane	7.131	84	1042803	8.566	ppbv	98
31) cis-1,2-Dichloroethene	5.549	61	1238103	9.748	ppbv	97
32) 1,1,1-Trichloroethane	6.510	97	1946304	9.995	ppbv	98
34) 2-Butanone	5.240	43	1197855	10.093	ppbv	98
35) Carbon Tetrachloride	7.018	117	1971799	10.951	ppbv	100
36) Benzene	6.890	78	2543614	9.309	ppbv	98
37) 1,2-Dichloroethane	6.308	62	1521069	12.176	ppbv #	95
38) Trichloroethene	7.835	130	999015	8.911	ppbv	94
39) 1,2-Dichloropropane	7.613	63	1011336	9.677	ppbv	96
40) 1,4-Dioxane	7.832	88	338635	9.542	ppbv #	3
41) Tetrahydrofuran	6.047	42	1055713	9.366	ppbv	99
42) Bromodichloromethane	7.790	83	2165416	10.977	ppbv	100
43) Methyl Methacrylate	8.012	69	1041685	9.954	ppbv	96
44) 2,2,4-Trimethylpentane	7.870	57	4312917	9.323	ppbv	99
45) t-1,3-Dichloropropene	9.278	75	1153136	10.538	ppbv	99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 6 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	1430018	9.912	ppbv	94
47) 1,1,2-Trichloroethane	9.475	97	1037473	9.688	ppbv	99
48) Dibromochloromethane	10.301	129	1747599	10.412	ppbv	99
49) Bromoform	13.040	173	1404981	10.569	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2636374	9.876	ppbv	100
51) 2-Hexanone	10.131	43	2077811	10.330	ppbv	97
52) Tetrachloroethene	11.221	164	850515	8.912	ppbv	97
53) Toluene	9.806	91	2915696	9.244	ppbv	98
54) 1,2-Dibromoethane	10.610	107	1489297	10.012	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.124	131	1207686	9.926	ppbv #	90
57) Chlorobenzene	12.147	112	2028970	8.923	ppbv #	94
58) Ethyl Benzene	12.709	91	3936279	9.488	ppbv	97
59) m/p-Xylene	12.995	91	6670414m	19.138	ppbv	
60) o-Xylene	13.690	91	3164021	9.701	ppbv	94
61) Styrene	13.523	104	1857802	9.350	ppbv	96
62) Isopropylbenzene	14.664	105	4521921	9.237	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.674	83	1981959	9.595	ppbv	100
64) n-propylbenzene	15.555	120	1157564m	9.107	ppbv	
65) tert-Butylbenzene	16.744	119	3871366	8.914	ppbv	93
66) Benzyl Chloride	16.989	91	595879	6.739	ppbv	94
67) sec-Butylbenzene	17.294	105	5636247	9.248	ppbv	97
69) p-Isopropyltoluene	17.651	119	4673206	9.338	ppbv	97
70) n-Butylbenzene	18.548	91	5136816	10.189	ppbv	97
71) 2-Chlorotoluene	15.449	91	3564614	9.684	ppbv	95
72) 4-Ethyltoluene	15.838	105	3813233	9.791	ppbv	97
73) 1,3,5-Trimethylbenzene	15.992	105	3367387	9.625	ppbv	93
74) 1,2,4-Trimethylbenzene	16.760	105	3544939	9.585	ppbv	95
75) 1,3-Dichlorobenzene	16.995	146	1999171	9.310	ppbv	99
76) 1,4-Dichlorobenzene	17.133	146	1957424	9.254	ppbv	99
77) 1,2-Dichlorobenzene	17.812	146	1984985	9.377	ppbv	100
78) Hexachloro-1,3-Butadiene	23.371	225	1369225	8.187	ppbv	99
79) Naphthalene	22.191	128	2789704	10.084	ppbv	100
80) Naphthalene,2-methyl-	24.966	142	722178	10.593	ppbv	95
81) 1,2,4-Trichlorobenzene	21.921	180	1567986	9.684	ppbv	98

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

