

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038680.D
 Acq On : 22 Mar 2022 10:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 23 03:42:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	896774	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2392104	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	2210408m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1730822 10.213 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	955492	7.926	ppbv	100
3) Chlorodifluoromethane	2.983	51	917412	9.686	ppbv	99
4) Chloromethane	3.134	50	481226	9.254	ppbv	99
5) Vinyl Chloride	3.253	62	475230	8.994	ppbv	99
6) Bromomethane	3.465	94	269949	9.584	ppbv	96
7) Chloroethane	3.552	64	159392	9.112	ppbv	96
8) Dichlorotetrafluoroethane	3.182	85	1096781	9.112	ppbv	98
9) Propene	3.005	41	437943	9.577	ppbv	99
10) Heptane	8.102	43	1095291	10.020	ppbv	99
11) Trichlorofluoromethane	3.941	101	974955	9.163	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.475	101	738682	9.019	ppbv	96
13) Ethanol	3.604	45	25009m	4.958	ppbv	
14) Bromoethene	3.732	108	341054	9.369	ppbv	98
15) Acetone	3.838	43	674790	8.720	ppbv	99
16) 1,3-Butadiene	3.321	39	418049	9.520	ppbv	100
17) tert-Butyl alcohol	4.272	59	699649	10.353	ppbv	100
18) 1,1-Dichloroethene	4.279	96	327333	8.896	ppbv	96
19) Isopropyl Alcohol	3.951	45	364244	8.490	ppbv	99
20) Methylene Chloride	4.333	84	274735	8.429	ppbv	98
21) Allyl Chloride	4.401	41	529152	9.502	ppbv	99
22) trans-1,2-Dichloroethene	4.874	96	374912	9.823	ppbv	97
23) Vinyl Acetate	5.057	43	521826	6.964	ppbv	99
24) 1,1-Dichloroethane	4.996	63	677367	9.179	ppbv	98
25) Ethyl Acetate	5.658	43	2062865	10.590	ppbv	99
26) Hexane	5.674	57	829726	9.515	ppbv	91
27) Carbon Disulfide	4.539	76	851770	9.956	ppbv	99
28) Methyl tert-Butyl Ether	5.021	73	622721	9.586	ppbv	99
29) Chloroform	5.738	83	1293087	9.261	ppbv	99
30) Cyclohexane	7.115	84	717666	9.465	ppbv	99
31) cis-1,2-Dichloroethene	5.536	61	798410	9.737	ppbv	99
32) 1,1,1-Trichloroethane	6.494	97	1263731	9.378	ppbv	99
34) 2-Butanone	5.227	43	787801	8.321	ppbv	99
35) Carbon Tetrachloride	6.999	117	1299415	9.362	ppbv	98
36) Benzene	6.873	78	1780651	9.645	ppbv	99
37) 1,2-Dichloroethane	6.292	62	899667	9.580	ppbv	100
38) Trichloroethene	7.819	130	700214	9.054	ppbv	99
39) 1,2-Dichloropropane	7.594	63	680356	9.427	ppbv	98
40) 1,4-Dioxane	7.812	88	222740	8.887	ppbv	78
41) Tetrahydrofuran	6.031	42	705419	10.011	ppbv	99
42) Bromodichloromethane	7.774	83	1402241	9.959	ppbv	99
43) Methyl Methacrylate	7.996	69	751965	10.971	ppbv	99
44) 2,2,4-Trimethylpentane	7.851	57	2912679	9.396	ppbv	100
45) t-1,3-Dichloropropene	9.256	75	788584	11.315	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	996373	10.573	ppbv	99
47) 1,1,2-Trichloroethane	9.455	97	726587	9.429	ppbv	98
48) Dibromochloromethane	10.285	129	1221014	10.116	ppbv	100
49) Bromoform	13.018	173	1003046	10.196	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	1768481	10.047	ppbv	100
51) 2-Hexanone	10.108	43	1359080	10.749	ppbv #	99
52) Tetrachloroethene	11.204	164	636788	9.425	ppbv	97
53) Toluene	9.783	91	2016256	10.164	ppbv	99
54) 1,2-Dibromoethane	10.590	107	1078994	10.255	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.105	131	892585	9.740	ppbv	98
57) Chlorobenzene	12.124	112	1469344	9.217	ppbv	98
58) Ethyl Benzene	12.687	91	2574350	9.962	ppbv	99
59) m/p-Xylene	12.973	91	4348456m	19.237	ppbv	
60) o-Xylene	13.671	91	2072973	9.659	ppbv	99
61) Styrene	13.503	104	1277714	10.978	ppbv	100
62) Isopropylbenzene	14.645	105	3182832	9.865	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.655	83	1458497	8.773	ppbv	99
64) n-propylbenzene	15.542	120	848405	10.021	ppbv	96
65) tert-Butylbenzene	16.722	119	2789780	9.622	ppbv	100
66) Benzyl Chloride	16.966	91	580409	10.573	ppbv	99
67) sec-Butylbenzene	17.272	105	3996088	9.638	ppbv	100
69) p-Isopropyltoluene	17.632	119	3278262	9.688	ppbv	100
70) n-Butylbenzene	18.529	91	3374149	9.667	ppbv	100
71) 2-Chlorotoluene	15.429	91	2373271	9.910	ppbv	99
72) 4-Ethyltoluene	15.818	105	2541005	10.029	ppbv	98
73) 1,3,5-Trimethylbenzene	15.976	105	2205036	9.551	ppbv	99
74) 1,2,4-Trimethylbenzene	16.741	105	2303169	9.159	ppbv	97
75) 1,3-Dichlorobenzene	16.973	146	1423450	8.887	ppbv	99
76) 1,4-Dichlorobenzene	17.114	146	1403455	8.811	ppbv	98
77) 1,2-Dichlorobenzene	17.793	146	1384078	8.723	ppbv	99
78) Hexachloro-1,3-Butadiene	23.352	225	1009807	6.886	ppbv	99
79) Naphthalene	22.165	128	1835930	9.556	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	468926	9.102	ppbv	99
81) 1,2,4-Trichlorobenzene	21.899	180	1048027	7.969	ppbv	99

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

