

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038682.D
 Acq On : 22 Mar 2022 12:29
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:13:11 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 23 2022

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	866886	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2314984	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	2208163m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 1693416 10.003 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1008346	8.653	ppbv	99
3) Chlorodifluoromethane	2.983	51	916028	10.005	ppbv	100
4) Chloromethane	3.134	50	502319	9.993	ppbv	96
5) Vinyl Chloride	3.250	62	492080	9.634	ppbv	100
6) Bromomethane	3.468	94	279008	10.247	ppbv	97
7) Chloroethane	3.549	64	168401	9.959	ppbv	97
8) Dichlorotetrafluoroethane	3.182	85	1145152	9.842	ppbv	98
9) Propene	3.005	41	442438	10.009	ppbv	100
10) Heptane	8.105	43	1144836	10.835	ppbv	100
11) Trichlorofluoromethane	3.944	101	1047851	10.188	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.475	101	804830	10.165	ppbv	100
13) Ethanol	3.603	45	38901m	7.978	ppbv	
14) Bromoethene	3.732	108	364293	10.353	ppbv	98
15) Acetone	3.838	43	728731	9.742	ppbv	100
16) 1,3-Butadiene	3.320	39	445774	10.501	ppbv	98
17) tert-Butyl alcohol	4.272	59	730925	11.188	ppbv	100
18) 1,1-Dichloroethene	4.279	96	366028	10.291	ppbv	98
19) Isopropyl Alcohol	3.951	45	428547	10.333	ppbv	100
20) Methylene Chloride	4.333	84	298159	9.463	ppbv	96
21) Allyl Chloride	4.401	41	543954	10.104	ppbv	98
22) trans-1,2-Dichloroethene	4.873	96	395393	10.717	ppbv	95
23) Vinyl Acetate	5.060	43	782115	10.798	ppbv	99
24) 1,1-Dichloroethane	4.999	63	730305	10.238	ppbv	99
25) Ethyl Acetate	5.661	43	1971031	10.467	ppbv	99
26) Hexane	5.674	57	860496	10.208	ppbv	99
27) Carbon Disulfide	4.539	76	925683	11.193	ppbv	99
28) Methyl tert-Butyl Ether	5.021	73	657338	10.468	ppbv	99
29) Chloroform	5.738	83	1373469	10.175	ppbv	98
30) Cyclohexane	7.115	84	740684	10.105	ppbv	98
31) cis-1,2-Dichloroethene	5.536	61	848875	10.709	ppbv	96
32) 1,1,1-Trichloroethane	6.497	97	1339497	10.283	ppbv	99
34) 2-Butanone	5.230	43	854195	9.323	ppbv	99
35) Carbon Tetrachloride	7.002	117	1394866	10.385	ppbv	99
36) Benzene	6.877	78	1844885	10.326	ppbv	99
37) 1,2-Dichloroethane	6.291	62	945697	10.405	ppbv	100
38) Trichloroethene	7.819	130	779490	10.415	ppbv	98
39) 1,2-Dichloropropane	7.597	63	714322	10.227	ppbv	99
40) 1,4-Dioxane	7.809	88	241964	9.975	ppbv #	1
41) Tetrahydrofuran	6.031	42	743080	10.896	ppbv	99
42) Bromodichloromethane	7.774	83	1465868	10.758	ppbv	99
43) Methyl Methacrylate	7.996	69	747408	11.267	ppbv	100
44) 2,2,4-Trimethylpentane	7.851	57	3040767	10.136	ppbv	100
45) t-1,3-Dichloropropene	9.259	75	822371	12.193	ppbv	99

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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)
46) cis-1,3-Dichloropropene	8.687	75	1050444	11.518	ppbv	99
47) 1,1,2-Trichloroethane	9.458	97	759103	10.180	ppbv	99
48) Dibromochloromethane	10.285	129	1304812	11.170	ppbv	99
49) Bromoform	13.021	173	1079525	11.339	ppbv	99
50) 4-Methyl-2-Pentanone	8.719	43	1843908	10.824	ppbv	100
51) 2-Hexanone	10.111	43	1459946	11.932	ppbv	99
52) Tetrachloroethene	11.201	164	668213	10.220	ppbv	95
53) Toluene	9.786	91	2107283	10.977	ppbv	100
54) 1,2-Dibromoethane	10.590	107	1127312	11.071	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.108	131	904462	9.880	ppbv	99
57) Chlorobenzene	12.127	112	1551322	9.741	ppbv	98
58) Ethyl Benzene	12.690	91	2742122	10.622	ppbv	99
59) m/p-Xylene	12.979	91	4604769m	20.392	ppbv	
60) o-Xylene	13.671	91	2190337	10.216	ppbv	100
61) Styrene	13.507	104	1324333	11.390	ppbv	98
62) Isopropylbenzene	14.645	105	3256758	10.104	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.654	83	1471469	8.860	ppbv	99
64) n-propylbenzene	15.542	120	863771	10.213	ppbv	96
65) tert-Butylbenzene	16.725	119	2842344	9.814	ppbv	99
66) Benzyl Chloride	16.966	91	696683	12.704	ppbv	99
67) sec-Butylbenzene	17.275	105	4117739	9.941	ppbv	100
69) p-Isopropyltoluene	17.632	119	3451590	10.210	ppbv	100
70) n-Butylbenzene	18.529	91	3607050	10.345	ppbv	100
71) 2-Chlorotoluene	15.433	91	2409071	10.070	ppbv	99
72) 4-Ethyltoluene	15.818	105	2645804	10.454	ppbv	100
73) 1,3,5-Trimethylbenzene	15.976	105	2360343	10.234	ppbv	100
74) 1,2,4-Trimethylbenzene	16.741	105	2523019	10.044	ppbv	95
75) 1,3-Dichlorobenzene	16.976	146	1578746	9.867	ppbv	99
76) 1,4-Dichlorobenzene	17.117	146	1538148	9.666	ppbv	98
77) 1,2-Dichlorobenzene	17.796	146	1546961	9.760	ppbv	99
78) Hexachloro-1,3-Butadiene	23.352	225	1256185	8.574	ppbv	99
79) Naphthalene	22.165	128	2383969	12.421	ppbv	99
80) Naphthalene,2-methyl-	24.953	142	649180	12.614	ppbv	99
81) 1,2,4-Trichlorobenzene	21.898	180	1361907	10.366	ppbv	100

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

