

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038473.D
 Acq On : 2 Mar 2022 5:32
 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 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 06:09:57 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	844354	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	2231157	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.082	117	2122328	10.000	ppbv	# 0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 1661963 9.464 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	1265431	9.462	ppbv	97
3) Chlorodifluoromethane	2.996	51	1625762	10.904	ppbv	99
4) Chloromethane	3.147	50	576891	11.136	ppbv	100
5) Vinyl Chloride	3.263	62	580435	10.717	ppbv	100
6) Bromomethane	3.481	94	314819	11.020	ppbv	98
7) Chloroethane	3.562	64	210412	12.096	ppbv	96
8) Dichlorotetrafluoroethane	3.195	85	1386811	11.148	ppbv	96
9) Propene	3.018	41	562958	11.436	ppbv	99
10) Heptane	8.121	43	1409496	11.762	ppbv	100
11) Trichlorofluoromethane	3.954	101	1383969	10.809	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	4.488	101	1021805	10.885	ppbv	97
13) Ethanol	3.613	45	53897m	10.970	ppbv	
14) Bromoethene	3.745	108	438422	11.723	ppbv	99
15) Acetone	3.854	43	707149	9.848	ppbv	100
16) 1,3-Butadiene	3.333	39	559029	11.655	ppbv	96
17) tert-Butyl alcohol	4.291	59	959997	13.401	ppbv	99
18) 1,1-Dichloroethene	4.291	96	453740	11.009	ppbv	98
19) Isopropyl Alcohol	3.967	45	484069	11.642	ppbv	99
20) Methylene Chloride	4.349	84	367303	10.324	ppbv	93
21) Allyl Chloride	4.417	41	702238	11.579	ppbv	98
22) trans-1,2-Dichloroethene	4.890	96	488684	11.752	ppbv	98
23) Vinyl Acetate	5.076	43	1123883	11.811	ppbv	99
24) 1,1-Dichloroethane	5.015	63	961770	11.242	ppbv	99
25) Ethyl Acetate	5.677	43	2219967	11.508	ppbv	99
26) Hexane	5.687	57	1007903	11.537	ppbv	99
27) Carbon Disulfide	4.555	76	1121041	11.536	ppbv	100
28) Methyl tert-Butyl Ether	5.037	73	1017952	11.440	ppbv	98
29) Chloroform	5.754	83	1622362	11.378	ppbv	99
30) Cyclohexane	7.131	84	900121	12.598	ppbv	92
31) cis-1,2-Dichloroethene	5.552	61	1027536	12.140	ppbv	92
32) 1,1,1-Trichloroethane	6.513	97	1616157	11.271	ppbv	98
34) 2-Butanone	5.246	43	754659	10.754	ppbv	98
35) Carbon Tetrachloride	7.021	117	1668309	10.634	ppbv	99
36) Benzene	6.893	78	2200463	11.203	ppbv	96
37) 1,2-Dichloroethane	6.307	62	1179983	10.396	ppbv	97
38) Trichloroethene	7.835	130	803004	11.224	ppbv	93
39) 1,2-Dichloropropane	7.613	63	844520	10.795	ppbv	99
40) 1,4-Dioxane	7.838	88	162343	8.748	ppbv #	52
41) Tetrahydrofuran	6.050	42	544432	11.483	ppbv	97
42) Bromodichloromethane	7.793	83	1763601	10.760	ppbv	99
43) Methyl Methacrylate	8.015	69	794911	11.642	ppbv	98
44) 2,2,4-Trimethylpentane	7.870	57	3584524	10.618	ppbv	99
45) t-1,3-Dichloropropene	9.278	75	615662	11.282	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	783180	10.950	ppbv	98
47) 1,1,2-Trichloroethane	9.475	97	877803	11.278	ppbv	97
48) Dibromochloromethane	10.301	129	1449786	11.391	ppbv	99
49) Bromoform	13.040	173	1106582	11.779	ppbv	99
50) 4-Methyl-2-Pentanone	8.741	43	1442435	11.626	ppbv	97
51) 2-Hexanone	10.134	43	662969	11.936	ppbv #	98
52) Tetrachloroethene	11.220	164	726793	11.146	ppbv	97
53) Toluene	9.803	91	2465470	11.561	ppbv	100
54) 1,2-Dibromoethane	10.606	107	1267259	11.566	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.124	131	959209	10.843	ppbv	97
57) Chlorobenzene	12.146	112	1755088	10.718	ppbv	97
58) Ethyl Benzene	12.709	91	3244964	11.181	ppbv	98
59) m/p-Xylene	12.992	91	5415474m	21.727	ppbv	
60) o-Xylene	13.693	91	2557237	10.854	ppbv	98
61) Styrene	13.523	104	1323025	12.174	ppbv	99
62) Isopropylbenzene	14.664	105	3533662	11.174	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.677	83	1856365	9.697	ppbv	99
64) n-propylbenzene	15.558	120	898527	11.476	ppbv	97
65) tert-Butylbenzene	16.741	119	3076184	11.231	ppbv	97
66) Benzyl Chloride	16.986	91	162163	10.957	ppbv	96
67) sec-Butylbenzene	17.291	105	4334199	11.168	ppbv	100
69) p-Isopropyltoluene	17.648	119	3597649	11.802	ppbv	99
70) n-Butylbenzene	18.545	91	3746215	11.876	ppbv	99
71) 2-Chlorotoluene	15.452	91	2621088	10.779	ppbv	97
72) 4-Ethyltoluene	15.838	105	3040429	11.712	ppbv	99
73) 1,3,5-Trimethylbenzene	15.992	105	2740679	11.625	ppbv	99
74) 1,2,4-Trimethylbenzene	16.760	105	2841300	11.415	ppbv	95
75) 1,3-Dichlorobenzene	16.989	146	1605332	11.515	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	1524744	11.091	ppbv	99
77) 1,2-Dichlorobenzene	17.815	146	1525973	11.371	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	1124617	10.989	ppbv	99
79) Naphthalene	22.188	128	2145802	15.911	ppbv	98
80) Naphthalene,2-methyl-	24.969	142	470010	17.833	ppbv	95
81) 1,2,4-Trichlorobenzene	21.918	180	1188973	14.581	ppbv	99

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

