

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038429.D
 Acq On : 24 Feb 2022 5:17
 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 02/24/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:35:31 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 19:45:51 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	5.642	49	668011	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.147	114	2115167	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.050	117	1992301m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.378 95 1570848 9.529 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.034	85	1278829	12.086	ppbv	100
3) Chlorodifluoromethane	2.976	51	1525806	12.935	ppbv	100
4) Chloromethane	3.127	50	524126	12.788	ppbv	98
5) Vinyl Chloride	3.243	62	528693	12.339	ppbv	97
6) Bromomethane	3.462	94	285888	12.650	ppbv	98
7) Chloroethane	3.542	64	176733	12.842	ppbv	99
8) Dichlorotetrafluoroethane	3.172	85	1285469	13.061	ppbv	99
9) Propene	2.996	41	499704	12.830	ppbv	99
10) Heptane	8.092	43	1300657	13.719	ppbv	100
11) Trichlorofluoromethane	3.931	101	1324035	13.070	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.465	101	979575	13.190	ppbv	99
13) Ethanol	3.597	45	46136m	11.870	ppbv	
14) Bromoethene	3.722	108	387034	13.081	ppbv	99
15) Acetone	3.832	43	649866	11.440	ppbv	99
16) 1,3-Butadiene	3.311	39	503435	13.267	ppbv	96
17) tert-Butyl alcohol	4.262	59	840644	14.832	ppbv	99
18) 1,1-Dichloroethene	4.269	96	423935	13.002	ppbv	98
19) Isopropyl Alcohol	3.947	45	414048	12.587	ppbv	99
20) Methylene Chloride	4.324	84	352700	12.531	ppbv	96
21) Allyl Chloride	4.391	41	625620	13.039	ppbv	97
22) trans-1,2-Dichloroethene	4.861	96	460898	14.010	ppbv	98
23) Vinyl Acetate	5.047	43	1044082	13.869	ppbv	98
24) 1,1-Dichloroethane	4.986	63	895813	13.236	ppbv	99
25) Ethyl Acetate	5.651	43	1631311	10.688	ppbv	99
26) Hexane	5.658	57	756405	10.944	ppbv	97
27) Carbon Disulfide	4.529	76	1068803	13.902	ppbv	100
28) Methyl tert-Butyl Ether	5.008	73	944623	13.419	ppbv	98
29) Chloroform	5.725	83	1425781	12.639	ppbv	99
30) Cyclohexane	7.098	84	783738	13.865	ppbv	97
31) cis-1,2-Dichloroethene	5.523	61	688339	10.280	ppbv	94
32) 1,1,1-Trichloroethane	6.481	97	1507597	13.289	ppbv	99
34) 2-Butanone	5.221	43	688714	10.353	ppbv	98
35) Carbon Tetrachloride	6.989	117	1539567	10.351	ppbv	97
36) Benzene	6.864	78	1941486	10.427	ppbv	97
37) 1,2-Dichloroethane	6.278	62	1136490	10.562	ppbv	100
38) Trichloroethene	7.806	130	692002	10.203	ppbv	95
39) 1,2-Dichloropropane	7.581	63	761353	10.265	ppbv	96
40) 1,4-Dioxane	7.812	88	128885	7.326	ppbv #	1
41) Tetrahydrofuran	6.021	42	479236	10.662	ppbv	99
42) Bromodichloromethane	7.761	83	1645383	10.590	ppbv	97
43) Methyl Methacrylate	7.983	69	721984	11.154	ppbv	100
44) 2,2,4-Trimethylpentane	7.835	57	3257874	10.179	ppbv	99
45) t-1,3-Dichloropropene	9.243	75	539824	10.435	ppbv	99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL02222AIR.M

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.671	75	683500	10.081	ppbv	97
47) 1,1,2-Trichloroethane	9.442	97	778216	10.546	ppbv	97
48) Dibromochloromethane	10.269	129	1310956	10.865	ppbv	99
49) Bromoform	13.002	173	973311	10.929	ppbv	98
50) 4-Methyl-2-Pentanone	8.712	43	1321317	11.234	ppbv	99
51) 2-Hexanone	10.101	43	601659	11.426	ppbv #	99
52) Tetrachloroethene	11.185	164	614277	9.937	ppbv	97
53) Toluene	9.770	91	2164561	10.706	ppbv	99
54) 1,2-Dibromoethane	10.574	107	1137266	10.949	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.089	131	862663	10.388	ppbv #	93
57) Chlorobenzene	12.111	112	1507166	9.805	ppbv	97
58) Ethyl Benzene	12.674	91	2906314	10.668	ppbv	100
59) m/p-Xylene	12.960	91	4913309m	20.999	ppbv	
60) o-Xylene	13.654	91	2292738	10.366	ppbv	98
61) Styrene	13.490	104	1137561	11.151	ppbv	98
62) Isopropylbenzene	14.629	105	3083709	10.388	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.642	83	1692107	9.416	ppbv	98
64) n-propylbenzene	15.526	120	760051	10.341	ppbv	83
65) tert-Butylbenzene	16.709	119	2703709	10.515	ppbv	99
66) Benzyl Chloride	16.950	91	137093	9.867	ppbv	99
67) sec-Butylbenzene	17.256	105	3839954	10.541	ppbv	99
69) p-Isopropyltoluene	17.616	119	3139650	10.972	ppbv	99
70) n-Butylbenzene	18.513	91	3389822	11.447	ppbv	100
71) 2-Chlorotoluene	15.413	91	2355713	10.320	ppbv	99
72) 4-Ethyltoluene	15.802	105	2603892	10.685	ppbv	99
73) 1,3,5-Trimethylbenzene	15.960	105	2326634	10.513	ppbv	98
74) 1,2,4-Trimethylbenzene	16.725	105	2530756	10.831	ppbv	99
75) 1,3-Dichlorobenzene	16.960	146	1387224	10.600	ppbv	100
76) 1,4-Dichlorobenzene	17.098	146	1311171	10.160	ppbv	99
77) 1,2-Dichlorobenzene	17.780	146	1311786	10.413	ppbv	100
78) Hexachloro-1,3-Butadiene	23.339	225	1001197	10.421	ppbv	99
79) Naphthalene	22.146	128	1849698	14.611	ppbv	100
80) Naphthalene,2-methyl-	24.940	142	377049	15.240	ppbv	94
81) 1,2,4-Trichlorobenzene	21.876	180	1027092	13.418	ppbv	100

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

