

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039133.D
 Acq On : 31 May 2022 16:13
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/01/2022
 Supervised By : Mahesh Dadoda 06/01/2022

Quant Time: May 31 16:58:46 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 5 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1375297	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3407387	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	3278293	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2657470 10.236 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	2061653	9.567	ppbv	97
3) Chlorodifluoromethane	2.999	51	1561378	9.149	ppbv	99
4) Chloromethane	3.150	50	824575	9.648	ppbv	97
5) Vinyl Chloride	3.266	62	802263	10.280	ppbv	100
6) Bromomethane	3.481	94	371004	10.063	ppbv	93
7) Chloroethane	3.568	64	275083	10.531	ppbv	99
8) Dichlorotetrafluoroethane	3.198	85	2002170	10.252	ppbv	98
9) Propene	3.018	41	670006	8.990	ppbv	96
10) Heptane	8.127	43	1681556	9.197	ppbv	98
11) Trichlorofluoromethane	3.960	101	1924416	10.409	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.494	101	1316832	10.339	ppbv	94
13) Ethanol	3.610	45	38554m	7.310	ppbv	
14) Bromoethene	3.745	108	610683	11.628	ppbv	97
15) Acetone	3.854	43	1250175	9.637	ppbv	97
16) 1,3-Butadiene	3.337	39	722330	9.691	ppbv	99
17) tert-Butyl alcohol	4.288	59	1092372	10.956	ppbv	100
18) 1,1-Dichloroethene	4.298	96	597791	10.906	ppbv	94
19) Isopropyl Alcohol	3.964	45	669833	10.859	ppbv #	99
20) Methylene Chloride	4.353	84	457946	9.366	ppbv	94
21) Allyl Chloride	4.420	41	902725	10.212	ppbv	98
22) trans-1,2-Dichloroethene	4.893	96	600930	10.149	ppbv	98
23) Vinyl Acetate	5.079	43	1230015	11.983	ppbv #	98
24) 1,1-Dichloroethane	5.018	63	1440737	12.189	ppbv	100
25) Ethyl Acetate	5.684	43	2959394	9.531	ppbv	99
26) Hexane	5.693	57	1305278	9.461	ppbv	97
27) Carbon Disulfide	4.558	76	1478254	11.279	ppbv	98
28) Methyl tert-Butyl Ether	5.041	73	1402180	13.358	ppbv	99
29) Chloroform	5.761	83	2186623	9.796	ppbv	99
30) Cyclohexane	7.137	84	1082944	9.375	ppbv	96
31) cis-1,2-Dichloroethene	5.555	61	1354043	9.634	ppbv	96
32) 1,1,1-Trichloroethane	6.517	97	2249211	10.078	ppbv	99
34) 2-Butanone	5.250	43	1825966	10.504	ppbv	99
35) Carbon Tetrachloride	7.025	117	2400978	10.694	ppbv	96
36) Benzene	6.899	78	2626420	9.007	ppbv	100
37) 1,2-Dichloroethane	6.314	62	1745354	9.674	ppbv	99
38) Trichloroethene	7.844	130	1281945	9.889	ppbv	96
39) 1,2-Dichloropropane	7.619	63	1035162	9.124	ppbv	96
40) 1,4-Dioxane	7.835	88	348354	8.548	ppbv	83
41) Tetrahydrofuran	6.054	42	1075883	9.209	ppbv	99
42) Bromodichloromethane	7.796	83	2439497	9.890	ppbv	97
43) Methyl Methacrylate	8.021	69	1100902	9.300	ppbv	100
44) 2,2,4-Trimethylpentane	7.877	57	4506771	8.808	ppbv	100
45) t-1,3-Dichloropropene	9.285	75	1307198	11.407	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1600921	10.535	ppbv	96
47) 1,1,2-Trichloroethane	9.478	97	1103216	9.349	ppbv	99
48) Dibromochloromethane	10.307	129	2077394	10.816	ppbv	98
49) Bromoform	13.044	173	1741338	11.888	ppbv	98
50) 4-Methyl-2-Pentanone	8.745	43	2779143	9.117	ppbv	99
51) 2-Hexanone	10.137	43	2153677	9.680	ppbv #	99
52) Tetrachloroethene	11.230	164	996581	9.564	ppbv	94
53) Toluene	9.812	91	3062422	9.370	ppbv	100
54) 1,2-Dibromoethane	10.613	107	1534920	9.554	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.130	131	1408089	9.789	ppbv	96
57) Chlorobenzene	12.153	112	2248776	9.151	ppbv	99
58) Ethyl Benzene	12.716	91	4150993	8.798	ppbv	100
59) m/p-Xylene	12.999	91	7229340m	17.949	ppbv	
60) o-Xylene	13.696	91	3395773	8.958	ppbv	100
61) Styrene	13.532	104	1944880	9.610	ppbv	99
62) Isopropylbenzene	14.671	105	4947878	8.926	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.680	83	1827013	8.185	ppbv	99
64) n-propylbenzene	15.561	120	1279175	9.544	ppbv	94
65) tert-Butylbenzene	16.748	119	4520815	9.307	ppbv	97
66) Benzyl Chloride	16.989	91	792149	12.477	ppbv	96
67) sec-Butylbenzene	17.294	105	6276430	9.045	ppbv	100
69) p-Isopropyltoluene	17.654	119	5252378	9.369	ppbv	99
70) n-Butylbenzene	18.551	91	5576835	9.363	ppbv	99
71) 2-Chlorotoluene	15.452	91	3827514	8.956	ppbv	99
72) 4-Ethyltoluene	15.841	105	4051007	9.378	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	3672964	9.445	ppbv	96
74) 1,2,4-Trimethylbenzene	16.761	105	4001171	9.397	ppbv	97
75) 1,3-Dichlorobenzene	16.995	146	2313653	9.917	ppbv	100
76) 1,4-Dichlorobenzene	17.140	146	2250380	9.805	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	2264350	9.814	ppbv	99
78) Hexachloro-1,3-Butadiene	23.374	225	1940793m	9.152	ppbv	
79) Naphthalene	22.194	128	3703078	10.706	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	1599475	15.287	ppbv	93
81) 1,2,4-Trichlorobenzene	21.921	180	2084055m	10.283	ppbv	

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

