

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039134.D
 Acq On : 31 May 2022 16:54
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: May 31 19:51:28 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 31 2022

QLast Update : Tue May 31 17:05:54 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1401984	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3549434	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3348661	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2614279 9.858 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	505252	2.300	ppbv	96
3) Chlorodifluoromethane	2.999	51	376268	2.163	ppbv	98
4) Chloromethane	3.150	50	197928	2.272	ppbv	97
5) Vinyl Chloride	3.266	62	175755	2.209	ppbv	96
6) Bromomethane	3.481	94	88293m	2.349	ppbv	
7) Chloroethane	3.568	64	61442	2.307	ppbv	90
8) Dichlorotetrafluoroethane	3.195	85	466074	2.341	ppbv	97
9) Propene	3.022	41	152942	2.013	ppbv	94
10) Heptane	8.127	43	389147	2.088	ppbv	99
11) Trichlorofluoromethane	3.957	101	453045	2.404	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.494	101	294609	2.269	ppbv	95
13) Ethanol	3.620	45	8212	1.527	ppbv #	100
14) Bromoethene	3.748	108	141988	2.652	ppbv	95
15) Acetone	3.858	43	280261	2.119	ppbv	92
16) 1,3-Butadiene	3.337	39	163859	2.157	ppbv	96
17) tert-Butyl alcohol	4.295	59	215431	2.119	ppbv	99
18) 1,1-Dichloroethene	4.298	96	141900	2.539	ppbv	96
19) Isopropyl Alcohol	3.973	45	136317	2.168	ppbv #	98
20) Methylene Chloride	4.353	84	134871	2.706	ppbv	92
21) Allyl Chloride	4.420	41	197777	2.195	ppbv	99
22) trans-1,2-Dichloroethene	4.893	96	127577	2.114	ppbv	98
23) Vinyl Acetate	5.079	43	246907	2.360	ppbv #	97
24) 1,1-Dichloroethane	5.015	63	335211	2.782	ppbv	98
25) Ethyl Acetate	5.684	43	697657	2.204	ppbv	99
26) Hexane	5.690	57	320290	2.277	ppbv	97
27) Carbon Disulfide	4.555	76	303821	2.274	ppbv	99
28) Methyl tert-Butyl Ether	5.044	73	338971	3.168	ppbv	99
29) Chloroform	5.755	83	500467	2.199	ppbv	98
30) Cyclohexane	7.134	84	256292	2.177	ppbv	87
31) cis-1,2-Dichloroethene	5.555	61	296928	2.072	ppbv	94
32) 1,1,1-Trichloroethane	6.520	97	512364	2.252	ppbv	100
34) 2-Butanone	5.250	43	394753	2.180	ppbv	96
35) Carbon Tetrachloride	7.025	117	535028	2.288	ppbv	96
36) Benzene	6.896	78	611989	2.015	ppbv	98
37) 1,2-Dichloroethane	6.314	62	373677	1.988	ppbv	97
38) Trichloroethene	7.841	130	294643	2.182	ppbv	97
39) 1,2-Dichloropropane	7.619	63	239659	2.028	ppbv	95
40) 1,4-Dioxane	7.848	88	81498m	1.920	ppbv	
41) Tetrahydrofuran	6.060	42	245257m	2.015	ppbv	
42) Bromodichloromethane	7.793	83	555706	2.163	ppbv	98
43) Methyl Methacrylate	8.021	69	238259	1.932	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	1059815	1.988	ppbv	98
45) t-1,3-Dichloropropene	9.282	75	230827	1.934	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	316746	2.001	ppbv	97
47) 1,1,2-Trichloroethane	9.481	97	248744	2.024	ppbv	96
48) Dibromochloromethane	10.307	129	443510	2.217	ppbv	100
49) Bromoform	13.040	173	379561	2.488	ppbv	96
50) 4-Methyl-2-Pentanone	8.748	43	617495	1.945	ppbv	98
51) 2-Hexanone	10.143	43	483060m	2.084	ppbv	
52) Tetrachloroethene	11.227	164	232143	2.139	ppbv	96
53) Toluene	9.809	91	713272	2.095	ppbv	99
54) 1,2-Dibromoethane	10.616	107	327356	1.956	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.127	131	325734	2.217	ppbv #	1
57) Chlorobenzene	12.150	112	522000	2.080	ppbv	94
58) Ethyl Benzene	12.712	91	980032	2.034	ppbv	98
59) m/p-Xylene	12.995	91	1717002m	4.173	ppbv	
60) o-Xylene	13.690	91	809591	2.091	ppbv	97
61) Styrene	13.529	104	426779	2.065	ppbv	99
62) Isopropylbenzene	14.667	105	1199861	2.119	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.680	83	432946	1.899	ppbv	100
64) n-propylbenzene	15.564	120	299885m	2.191	ppbv	
65) tert-Butylbenzene	16.744	119	1109836	2.237	ppbv	99
66) Benzyl Chloride	16.995	91	123833m	1.909	ppbv	
67) sec-Butylbenzene	17.294	105	1527978	2.156	ppbv	100
69) p-Isopropyltoluene	17.648	119	1303596	2.276	ppbv	99
70) n-Butylbenzene	18.551	91	1358774	2.233	ppbv	98
71) 2-Chlorotoluene	15.452	91	924022	2.117	ppbv	99
72) 4-Ethyltoluene	15.841	105	950052	2.153	ppbv	98
73) 1,3,5-Trimethylbenzene	15.999	105	872940	2.198	ppbv	92
74) 1,2,4-Trimethylbenzene	16.761	105	965634	2.220	ppbv	96
75) 1,3-Dichlorobenzene	16.995	146	532839	2.236	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	517796	2.209	ppbv	98
77) 1,2-Dichlorobenzene	17.818	146	539665	2.290	ppbv	100
78) Hexachloro-1,3-Butadiene	23.374	225	511907	2.363	ppbv	98
79) Naphthalene	22.191	128	800902	2.267	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	271781	2.543	ppbv	99
81) 1,2,4-Trichlorobenzene	21.921	180	471291	2.276	ppbv #	100

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

Manual Integrations

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