

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039135.D
 Acq On : 31 May 2022 17:36
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: May 31 19:53:08 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 17:05:54 2022
 QLast Update : Tue May 31 17:05:54 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.674	49	1358865	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3449010	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	3143099	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	2554934	10.264	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	279677	1.314	ppbv	98
3) Chlorodifluoromethane	2.999	51	183964	1.091	ppbv	97
4) Chloromethane	3.150	50	90877	1.076	ppbv	98
5) Vinyl Chloride	3.266	62	92521	1.200	ppbv	92
6) Bromomethane	3.488	94	39572	1.086	ppbv	84
7) Chloroethane	3.571	64	31496	1.220	ppbv	91
8) Dichlorotetrafluoroethane	3.198	85	236263	1.224	ppbv	97
9) Propene	3.018	41	84381	1.146	ppbv	99
10) Heptane	8.131	43	187367	1.037	ppbv	99
11) Trichlorofluoromethane	3.960	101	227418	1.245	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.497	101	150560	1.196	ppbv	96
13) Ethanol	3.623	45	4039m	0.775	ppbv	
14) Bromoethene	3.745	108	65309	1.259	ppbv #	95
15) Acetone	3.861	43	151832m	1.185	ppbv	
16) 1,3-Butadiene	3.337	39	82582m	1.121	ppbv	
17) tert-Butyl alcohol	4.301	59	123458m	1.253	ppbv	
18) 1,1-Dichloroethene	4.301	96	71420m	1.319	ppbv	
19) Isopropyl Alcohol	3.980	45	67140	1.102	ppbv #	92
20) Methylene Chloride	4.349	84	67130	1.390	ppbv	93
21) Allyl Chloride	4.420	41	91332	1.046	ppbv	93
22) trans-1,2-Dichloroethene	4.890	96	62073m	1.061	ppbv	
23) Vinyl Acetate	5.083	43	116763	1.151	ppbv #	96
24) 1,1-Dichloroethane	5.015	63	166343	1.424	ppbv	97
25) Ethyl Acetate	5.690	43	324773	1.059	ppbv #	96
26) Hexane	5.694	57	144459	1.060	ppbv	91
27) Carbon Disulfide	4.562	76	139380	1.076	ppbv	97
28) Methyl tert-Butyl Ether	5.054	73	162796m	1.570	ppbv	
29) Chloroform	5.761	83	250389	1.135	ppbv	98
30) Cyclohexane	7.140	84	122101	1.070	ppbv #	65
31) cis-1,2-Dichloroethene	5.552	61	148854	1.072	ppbv	95
32) 1,1,1-Trichloroethane	6.513	97	249751	1.133	ppbv	99
34) 2-Butanone	5.259	43	191486	1.088	ppbv	96
35) Carbon Tetrachloride	7.025	117	259615	1.142	ppbv	90
36) Benzene	6.893	78	296245	1.004	ppbv	97
37) 1,2-Dichloroethane	6.308	62	196700m	1.077	ppbv	
38) Trichloroethene	7.838	130	134793	1.027	ppbv	98
39) 1,2-Dichloropropane	7.613	63	117769	1.025	ppbv	94
40) 1,4-Dioxane	7.857	88	39468m	0.957	ppbv	
41) Tetrahydrofuran	6.070	42	118282m	1.000	ppbv	
42) Bromodichloromethane	7.800	83	256860	1.029	ppbv	97
43) Methyl Methacrylate	8.025	69	105881	0.884	ppbv	89
44) 2,2,4-Trimethylpentane	7.877	57	531657	1.027	ppbv	100
45) t-1,3-Dichloropropene	9.285	75	100144	0.863	ppbv	98

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	143325	0.932	ppbv	96
47) 1,1,2-Trichloroethane	9.481	97	124260	1.040	ppbv	93
48) Dibromochloromethane	10.311	129	208232	1.071	ppbv	96
49) Bromoform	13.040	173	167325	1.129	ppbv	99
50) 4-Methyl-2-Pentanone	8.754	43	288803	0.936	ppbv	96
51) 2-Hexanone	10.147	43	214589	0.953	ppbv #	100
52) Tetrachloroethene	11.233	164	114031m	1.081	ppbv	
53) Toluene	9.809	91	336294	1.017	ppbv	99
54) 1,2-Dibromoethane	10.616	107	164615m	1.012	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.124	131	157442	1.142	ppbv #	1
57) Chlorobenzene	12.153	112	264542m	1.123	ppbv	
58) Ethyl Benzene	12.713	91	467161	1.033	ppbv	98
59) m/p-Xylene	12.995	91	825390m	2.137	ppbv	
60) o-Xylene	13.693	91	381004	1.048	ppbv	100
61) Styrene	13.532	104	198443	1.023	ppbv	98
62) Isopropylbenzene	14.671	105	575915	1.084	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.680	83	194267	0.908	ppbv	93
64) n-propylbenzene	15.561	120	134424	1.046	ppbv	79
65) tert-Butylbenzene	16.744	119	524004	1.125	ppbv	98
66) Benzyl Chloride	16.989	91	50886m	0.836	ppbv	
67) sec-Butylbenzene	17.294	105	724478	1.089	ppbv	99
69) p-Isopropyltoluene	17.651	119	599554	1.115	ppbv	98
70) n-Butylbenzene	18.552	91	614514	1.076	ppbv	98
71) 2-Chlorotoluene	15.452	91	436589	1.066	ppbv	98
72) 4-Ethyltoluene	15.841	105	437250	1.056	ppbv	98
73) 1,3,5-Trimethylbenzene	15.995	105	397708	1.067	ppbv	92
74) 1,2,4-Trimethylbenzene	16.761	105	449233	1.100	ppbv	95
75) 1,3-Dichlorobenzene	16.999	146	254377m	1.137	ppbv	
76) 1,4-Dichlorobenzene	17.143	146	258175m	1.173	ppbv	
77) 1,2-Dichlorobenzene	17.822	146	261797m	1.183	ppbv	
78) Hexachloro-1,3-Butadiene	23.371	225	246247	1.211	ppbv	98
79) Naphthalene	22.194	128	343393	1.036	ppbv	98
80) Naphthalene,2-methyl-	24.969	142	101588m	1.013	ppbv	
81) 1,2,4-Trichlorobenzene	21.931	180	207119	1.066	ppbv #	100

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

