

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039139.D
 Acq On : 31 May 2022 20:28
 Operator : SY/AP
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: May 31 21:05:18 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

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	1276764	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	3105129	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.095	117	3033106	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.420	95	2567731	10.690	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	2775319	13.873	ppbv	99
3) Chlorodifluoromethane	2.999	51	2149826	13.570	ppbv	98
4) Chloromethane	3.150	50	1123054	14.155	ppbv	99
5) Vinyl Chloride	3.269	62	1130359	15.602	ppbv	96
6) Bromomethane	3.485	94	560577	16.379	ppbv	97
7) Chloroethane	3.565	64	408616	16.851	ppbv	98
8) Dichlorotetrafluoroethane	3.195	85	2833523	15.629	ppbv	99
9) Propene	3.018	41	866283	12.521	ppbv	99
10) Heptane	8.131	43	2289531	13.489	ppbv	100
11) Trichlorofluoromethane	3.960	101	2834188	16.512	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.494	101	1891851	16.000	ppbv	98
13) Ethanol	3.616	45	53508m	10.928	ppbv	
14) Bromoethene	3.748	108	887404	18.201	ppbv	97
15) Acetone	3.854	43	1870958	15.535	ppbv	99
16) 1,3-Butadiene	3.337	39	1042494	15.066	ppbv	100
17) tert-Butyl alcohol	4.288	59	1412272	15.257	ppbv	99
18) 1,1-Dichloroethene	4.298	96	905535	17.795	ppbv	96
19) Isopropyl Alcohol	3.967	45	851413	14.868	ppbv #	99
20) Methylene Chloride	4.353	84	702280	15.471	ppbv	97
21) Allyl Chloride	4.420	41	1331815	16.228	ppbv	99
22) trans-1,2-Dichloroethene	4.893	96	867221	15.777	ppbv	98
23) Vinyl Acetate	5.079	43	1749683	18.361	ppbv	99
24) 1,1-Dichloroethane	5.018	63	2137204	19.477	ppbv	99
25) Ethyl Acetate	5.681	43	4126829	14.316	ppbv	99
26) Hexane	5.694	57	1752525	13.683	ppbv	98
27) Carbon Disulfide	4.559	76	2120265	17.426	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1956853	20.081	ppbv	100
29) Chloroform	5.761	83	3052099	14.729	ppbv	99
30) Cyclohexane	7.140	84	1498562	13.975	ppbv	97
31) cis-1,2-Dichloroethene	5.555	61	1906572	14.611	ppbv	98
32) 1,1,1-Trichloroethane	6.520	97	3149912	15.202	ppbv	99
34) 2-Butanone	5.250	43	2493295	15.739	ppbv	100
35) Carbon Tetrachloride	7.025	117	3424261	16.737	ppbv	97
36) Benzene	6.899	78	3494152	13.149	ppbv	97
37) 1,2-Dichloroethane	6.314	62	2519523	15.324	ppbv	99
38) Trichloroethene	7.841	130	1749883	14.813	ppbv	98
39) 1,2-Dichloropropane	7.620	63	1409120	13.628	ppbv	95
40) 1,4-Dioxane	7.835	88	442985	11.929	ppbv #	1
41) Tetrahydrofuran	6.050	42	1423737	13.372	ppbv	100
42) Bromodichloromethane	7.803	83	3423891	15.232	ppbv	98
43) Methyl Methacrylate	8.021	69	1513356	14.028	ppbv	100
44) 2,2,4-Trimethylpentane	7.877	57	5993244	12.853	ppbv	98
45) t-1,3-Dichloropropene	9.285	75	1843363	17.652	ppbv	98

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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)
46) cis-1,3-Dichloropropene	8.710	75	2215388	15.998	ppbv	96
47) 1,1,2-Trichloroethane	9.481	97	1505321	13.998	ppbv	98
48) Dibromochloromethane	10.311	129	2949932	16.854	ppbv	99
49) Bromoform	13.047	173	2489760	18.652	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	3818023	13.744	ppbv	100
51) 2-Hexanone	10.134	43	3045873	15.023	ppbv #	98
52) Tetrachloroethene	11.230	164	1375537	14.485	ppbv	94
53) Toluene	9.812	91	4185340	14.052	ppbv	99
54) 1,2-Dibromoethane	10.616	107	2165827	14.794	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.131	131	1989952	14.953	ppbv #	76
57) Chlorobenzene	12.153	112	3146897	13.841	ppbv	98
58) Ethyl Benzene	12.716	91	5690007	13.035	ppbv	97
59) m/p-Xylene	13.002	91	10045707m	26.958	ppbv	
60) o-Xylene	13.696	91	4821534	13.747	ppbv	99
61) Styrene	13.532	104	2781752	14.857	ppbv	99
62) Isopropylbenzene	14.674	105	6913416	13.479	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.684	83	2595234	12.566	ppbv	100
64) n-propylbenzene	15.565	120	1825935	14.725	ppbv	93
65) tert-Butylbenzene	16.748	119	6341222	14.111	ppbv	100
66) Benzyl Chloride	16.992	91	1178847	20.068	ppbv	100
67) sec-Butylbenzene	17.298	105	8720828	13.583	ppbv	98
69) p-Isopropyltoluene	17.654	119	7356079	14.182	ppbv	99
70) n-Butylbenzene	18.552	91	7734785	14.036	ppbv	99
71) 2-Chlorotoluene	15.455	91	5401256	13.661	ppbv	100
72) 4-Ethyltoluene	15.844	105	5708114	14.283	ppbv	99
73) 1,3,5-Trimethylbenzene	15.999	105	5195428	14.440	ppbv	99
74) 1,2,4-Trimethylbenzene	16.767	105	5644220	14.327	ppbv	95
75) 1,3-Dichlorobenzene	17.002	146	3323084	15.395	ppbv	99
76) 1,4-Dichlorobenzene	17.143	146	3202989	15.084	ppbv	100
77) 1,2-Dichlorobenzene	17.818	146	3189881	14.942	ppbv	99
78) Hexachloro-1,3-Butadiene	23.378	225	2750135	14.017	ppbv	99
79) Naphthalene	22.194	128	5382841	16.821	ppbv	100
80) Naphthalene,2-methyl-	24.966	142	2213682	22.867	ppbv	94
81) 1,2,4-Trichlorobenzene	21.924	180	3013440	16.070	ppbv #	100

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

