

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
 Data File : VL039740.D
 Acq On : 21 Oct 2022 10:04
 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 :Krupa Patel 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 21 10:43:53 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	947519	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.655	114	2880352	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	2585048m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1936543 10.035 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	1813088m	16.505	ppbv	
3) Chlorodifluoromethane	2.693	51	1169956	10.405	ppbv	97
4) Chloromethane	2.832	50	715058	10.538	ppbv	96
5) Vinyl Chloride	2.938	62	615800	10.888	ppbv	94
6) Bromomethane	3.140	94	219994	10.547	ppbv	93
7) Chloroethane	3.217	64	228661	11.055	ppbv	95
8) Dichlorotetrafluoroethane	2.877	85	1495679	11.351	ppbv	96
9) Propene	2.716	41	544581	10.604	ppbv	99
10) Heptane	7.577	43	1397434	11.661	ppbv	99
11) Trichlorofluoromethane	3.578	101	1521394	11.184	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.079	101	1186243	11.545	ppbv	99
13) Ethanol	3.263	45	30761	7.861	ppbv	73
14) Bromoethene	3.381	108	461228	11.244	ppbv	96
15) Acetone	3.484	43	1120729	10.630	ppbv	100
16) 1,3-Butadiene	3.005	39	588120	10.996	ppbv	98
17) tert-Butyl alcohol	3.889	59	1019033	10.770	ppbv	98
18) 1,1-Dichloroethene	3.893	96	514659	11.384	ppbv	99
19) Isopropyl Alcohol	3.590	45	564296	10.500	ppbv	100
20) Methylene Chloride	3.947	84	424567	8.710	ppbv	98
21) Allyl Chloride	4.008	41	800835	11.154	ppbv	95
22) trans-1,2-Dichloroethene	4.455	96	532738	11.912	ppbv	98
23) Vinyl Acetate	4.635	43	448753	9.415	ppbv	99
24) 1,1-Dichloroethane	4.574	63	1119951	11.800	ppbv	98
25) Ethyl Acetate	5.214	43	2233605	9.715	ppbv	98
26) Hexane	5.221	57	895014	9.174	ppbv	95
27) Carbon Disulfide	4.137	76	1343053	13.099	ppbv	100
28) Methyl tert-Butyl Ether	4.597	73	909887	11.101	ppbv	99
29) Chloroform	5.282	83	1482287	10.524	ppbv	99
30) Cyclohexane	6.600	84	834649	11.047	ppbv	92
31) cis-1,2-Dichloroethene	5.082	61	847117	9.600	ppbv	93
32) 1,1,1-Trichloroethane	6.008	97	1473421	11.555	ppbv	98
34) 2-Butanone	4.796	43	1266758	8.954	ppbv	98
35) Carbon Tetrachloride	6.494	117	1584331	10.361	ppbv	96
36) Benzene	6.375	78	2108531	9.575	ppbv	95
37) 1,2-Dichloroethane	5.812	62	1150252	9.597	ppbv	99
38) Trichloroethene	7.291	130	1235886	10.384	ppbv	97
39) 1,2-Dichloropropane	7.073	63	802923	9.442	ppbv	97
40) 1,4-Dioxane	7.282	88	312655m	9.005	ppbv	
41) Tetrahydrofuran	5.561	42	869490	10.018	ppbv	96
42) Bromodichloromethane	7.246	83	1682128	10.090	ppbv	100
43) Methyl Methacrylate	7.475	69	839093	10.453	ppbv	97
44) 2,2,4-Trimethylpentane	7.323	57	3628799	9.561	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	782749	11.539	ppbv	95

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Oct 18 05:23:57 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1071865	11.100	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	882746	9.497	ppbv	99
48) Dibromochloromethane	9.703	129	1494082	10.675	ppbv	99
49) Bromoform	12.394	173	1254054	10.833	ppbv	98
50) 4-Methyl-2-Pentanone	8.179	43	2259309	10.163	ppbv	98
51) 2-Hexanone	9.548	43	1749486	10.631	ppbv #	99
52) Tetrachloroethene	10.606	164	795947	9.474	ppbv	95
53) Toluene	9.217	91	2522412	10.299	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1003023	10.087	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1070864	10.251	ppbv #	94
57) Chlorobenzene	11.519	112	1894589	9.967	ppbv	98
58) Ethyl Benzene	12.079	91	3342886	11.216	ppbv	98
59) m/p-Xylene	12.365	91	5626958m	21.214	ppbv	
60) o-Xylene	13.050	91	2719314	10.735	ppbv	100
61) Styrene	12.889	104	1631627	11.960	ppbv	98
62) Isopropylbenzene	14.021	105	3939036	10.334	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	966919	9.570	ppbv	99
64) n-propylbenzene	14.905	120	1010952	10.357	ppbv	96
65) tert-Butylbenzene	16.079	119	3430142	10.186	ppbv	99
66) Benzyl Chloride	16.317	91	255833	9.542	ppbv	99
67) sec-Butylbenzene	16.629	105	4779999	10.120	ppbv	98
69) p-Isopropyltoluene	16.985	119	3938139	10.147	ppbv	99
70) n-Butylbenzene	17.876	91	3840207	10.094	ppbv	99
71) 2-Chlorotoluene	14.793	91	2904405	10.554	ppbv	99
72) 4-Ethyltoluene	15.185	105	3174194	10.977	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2812650	10.629	ppbv	95
74) 1,2,4-Trimethylbenzene	16.098	105	2989439	10.079	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	1756873	9.927	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	1726261	9.751	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1651388	9.569	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1042962	7.909	ppbv	99
79) Naphthalene	21.368	128	1955785	9.992	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	577215	7.843	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	1135014m	8.828	ppbv	

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

