

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038382.D
 Acq On : 22 Feb 2022 9:08
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL022222

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 19:50:23 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:50:23 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	969115	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.150	114	2461288	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.056	117	2395522m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.384 95 1926159 9.718 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1246997	8.124	ppbv	96
3) Chlorodifluoromethane	2.980	51	1591057	9.297	ppbv	99
4) Chloromethane	3.131	50	561334	9.440	ppbv	97
5) Vinyl Chloride	3.246	62	563262	9.061	ppbv	100
6) Bromomethane	3.465	94	291333	8.885	ppbv	100
7) Chloroethane	3.542	64	195961	9.815	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	1379946	9.665	ppbv	99
9) Propene	3.002	41	541902	9.591	ppbv	98
10) Heptane	8.095	43	1371957	9.975	ppbv	99
11) Trichlorofluoromethane	3.935	101	1326263	9.025	ppbv	95
12) 1,1,2-Trichlorotrifluoro...	4.468	101	978207	9.079	ppbv	98
13) Ethanol	3.591	45	44677m	7.923	ppbv	
14) Bromoethene	3.726	108	428088	9.973	ppbv	96
15) Acetone	3.835	43	663679	8.053	ppbv	99
16) 1,3-Butadiene	3.317	39	537626	9.766	ppbv	97
17) tert-Butyl alcohol	4.269	59	860108	10.461	ppbv	100
18) 1,1-Dichloroethene	4.275	96	441693	9.337	ppbv	99
19) Isopropyl Alcohol	3.947	45	460457	9.648	ppbv	99
20) Methylene Chloride	4.327	84	352027	8.621	ppbv	97
21) Allyl Chloride	4.394	41	651545	9.360	ppbv	99
22) trans-1,2-Dichloroethene	4.864	96	463747	9.717	ppbv	98
23) Vinyl Acetate	5.050	43	1071871	9.814	ppbv	99
24) 1,1-Dichloroethane	4.989	63	890496	9.069	ppbv	100
25) Ethyl Acetate	5.655	43	2128707	9.614	ppbv	99
26) Hexane	5.664	57	979745	9.771	ppbv	97
27) Carbon Disulfide	4.533	76	1111042	9.962	ppbv	99
28) Methyl tert-Butyl Ether	5.012	73	976965	9.566	ppbv	100
29) Chloroform	5.729	83	1589481	9.713	ppbv	100
30) Cyclohexane	7.105	84	833687	10.166	ppbv	96
31) cis-1,2-Dichloroethene	5.526	61	994563	10.238	ppbv	97
32) 1,1,1-Trichloroethane	6.487	97	1578186	9.589	ppbv	99
34) 2-Butanone	5.224	43	696583	8.999	ppbv	97
35) Carbon Tetrachloride	6.995	117	1618179	9.350	ppbv	97
36) Benzene	6.867	78	2063358	9.523	ppbv	97
37) 1,2-Dichloroethane	6.285	62	1163278	9.291	ppbv	100
38) Trichloroethene	7.806	130	738669	9.359	ppbv	94
39) 1,2-Dichloropropane	7.587	63	818182	9.480	ppbv	99
40) 1,4-Dioxane	7.803	88	199001m	9.721	ppbv	
41) Tetrahydrofuran	6.024	42	519758	9.938	ppbv	98
42) Bromodichloromethane	7.764	83	1732767	9.584	ppbv	99
43) Methyl Methacrylate	7.986	69	757936	10.062	ppbv	99
44) 2,2,4-Trimethylpentane	7.844	57	3448870	9.261	ppbv	100
45) t-1,3-Dichloropropene	9.249	75	603735	10.029	ppbv	97

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QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	749626	9.501	ppbv	98
47) 1,1,2-Trichloroethane	9.449	97	816558	9.510	ppbv	97
48) Dibromochloromethane	10.275	129	1405729	10.012	ppbv	99
49) Bromoform	13.011	173	1069330	10.318	ppbv	99
50) 4-Methyl-2-Pentanone	8.716	43	1398020	10.215	ppbv	98
51) 2-Hexanone	10.108	43	632580	10.324	ppbv #	98
52) Tetrachloroethene	11.191	164	668675	9.296	ppbv	97
53) Toluene	9.777	91	2309345	9.816	ppbv	99
54) 1,2-Dibromoethane	10.581	107	1193982	9.878	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.095	131	907646	9.090	ppbv	99
57) Chlorobenzene	12.117	112	1649218	8.923	ppbv	97
58) Ethyl Benzene	12.680	91	3053788	9.322	ppbv	99
59) m/p-Xylene	12.963	91	5168604m	18.372	ppbv	
60) o-Xylene	13.661	91	2385827	8.971	ppbv	98
61) Styrene	13.497	104	1265163	10.314	ppbv	99
62) Isopropylbenzene	14.638	105	3264073	9.145	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.645	83	1783642	8.255	ppbv	100
64) n-propylbenzene	15.529	120	837586	9.478	ppbv	96
65) tert-Butylbenzene	16.712	119	2893020	9.358	ppbv	98
66) Benzyl Chloride	16.957	91	149022	8.920	ppbv #	96
67) sec-Butylbenzene	17.265	105	4052727	9.252	ppbv	100
69) p-Isopropyltoluene	17.622	119	3332726	9.686	ppbv	100
70) n-Butylbenzene	18.519	91	3522801	9.894	ppbv	100
71) 2-Chlorotoluene	15.423	91	2530395	9.219	ppbv	98
72) 4-Ethyltoluene	15.809	105	2828452	9.653	ppbv	99
73) 1,3,5-Trimethylbenzene	15.966	105	2549254	9.580	ppbv	100
74) 1,2,4-Trimethylbenzene	16.731	105	2670234	9.505	ppbv	98
75) 1,3-Dichlorobenzene	16.966	146	1488677	9.461	ppbv	99
76) 1,4-Dichlorobenzene	17.104	146	1426839	9.195	ppbv	99
77) 1,2-Dichlorobenzene	17.783	146	1415638	9.346	ppbv	99
78) Hexachloro-1,3-Butadiene	23.342	225	1051481	9.102	ppbv	99
79) Naphthalene	22.159	128	1973815	12.967	ppbv	99
80) Naphthalene,2-methyl-	24.947	142	432968	14.554	ppbv	96
81) 1,2,4-Trichlorobenzene	21.886	180	1086108	11.801	ppbv	97

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

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