

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
 Data File : VL038901.D
 Acq On : 13 Apr 2022 8:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 13 21:19:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 13 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.658	49	1100424	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2684854	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	2358875m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.400 95 2033043 11.362 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 113.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1538738	9.858	ppbv	99
3) Chlorodifluoromethane	2.986	51	1372126	10.217	ppbv	93
4) Chloromethane	3.137	50	679817	9.776	ppbv	94
5) Vinyl Chloride	3.256	62	643509	10.015	ppbv	100
6) Bromomethane	3.472	94	333960	10.742	ppbv	99
7) Chloroethane	3.558	64	223120	10.413	ppbv	95
8) Dichlorotetrafluoroethane	3.185	85	1615909	11.082	ppbv	91
9) Propene	3.009	41	615885	8.668	ppbv	98
10) Heptane	8.111	43	1511531	8.445	ppbv	97
11) Trichlorofluoromethane	3.947	101	1478439	11.787	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.481	101	1064054	11.075	ppbv	93
13) Ethanol	3.594	45	45285m	10.487	ppbv	
14) Bromoethene	3.738	108	453761	10.739	ppbv	98
15) Acetone	3.841	43	1156642	10.557	ppbv	98
16) 1,3-Butadiene	3.327	39	624870	9.977	ppbv	99
17) tert-Butyl alcohol	4.279	59	838867	8.539	ppbv	98
18) 1,1-Dichloroethene	4.285	96	469948	10.730	ppbv	95
19) Isopropyl Alcohol	3.954	45	568938	10.161	ppbv #	100
20) Methylene Chloride	4.337	84	404933	10.191	ppbv	97
21) Allyl Chloride	4.407	41	777207	9.475	ppbv	96
22) trans-1,2-Dichloroethene	4.880	96	499029	11.254	ppbv	93
23) Vinyl Acetate	5.063	43	1073171	10.059	ppbv	97
24) 1,1-Dichloroethane	5.002	63	1012858	10.505	ppbv	100
25) Ethyl Acetate	5.668	43	2631988	9.468	ppbv	99
26) Hexane	5.681	57	1151773	9.103	ppbv	99
27) Carbon Disulfide	4.545	76	1238615	10.674	ppbv	100
28) Methyl tert-Butyl Ether	5.025	73	927603	9.492	ppbv	99
29) Chloroform	5.742	83	1898615	10.724	ppbv	97
30) Cyclohexane	7.118	84	967711	8.677	ppbv	99
31) cis-1,2-Dichloroethene	5.542	61	1195610	10.277	ppbv	95
32) 1,1,1-Trichloroethane	6.504	97	1920681	10.768	ppbv	97
34) 2-Butanone	5.234	43	1204991	11.358	ppbv	97
35) Carbon Tetrachloride	7.005	117	1949038	12.109	ppbv	97
36) Benzene	6.880	78	2383665	9.759	ppbv	97
37) 1,2-Dichloroethane	6.298	62	1514172	13.559	ppbv #	94
38) Trichloroethene	7.825	130	948500	9.464	ppbv	91
39) 1,2-Dichloropropane	7.600	63	939212	10.054	ppbv	94
40) 1,4-Dioxane	7.815	88	318337	10.035	ppbv #	1
41) Tetrahydrofuran	6.037	42	958035	9.508	ppbv	98
42) Bromodichloromethane	7.780	83	2179666	12.360	ppbv	99
43) Methyl Methacrylate	8.002	69	1000292	10.693	ppbv	99
44) 2,2,4-Trimethylpentane	7.857	57	4062416	9.824	ppbv	98
45) t-1,3-Dichloropropene	9.266	75	1093200	11.176	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041222\
 Data File : VL038901.D
 Acq On : 13 Apr 2022 8:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
 Supervised By :Mahesh Dadoda 04/14/2022

Quant Time: Apr 13 21:19:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 6

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.690	75	1341606	10.403	ppbv	94
47) 1,1,2-Trichloroethane	9.462	97	978536	10.222	ppbv	98
48) Dibromochloromethane	10.291	129	1675885	11.170	ppbv	98
49) Bromoform	13.027	173	1357649	11.425	ppbv	100
50) 4-Methyl-2-Pentanone	8.729	43	2469779	10.350	ppbv	99
51) 2-Hexanone	10.118	43	1946989	10.828	ppbv	97
52) Tetrachloroethene	11.211	164	790591	9.267	ppbv	98
53) Toluene	9.793	91	2708016	9.604	ppbv	100
54) 1,2-Dibromoethane	10.597	107	1404661	10.564	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.114	131	1150076	11.125	ppbv	97
57) Chlorobenzene	12.134	112	1929590	9.988	ppbv	95
58) Ethyl Benzene	12.696	91	3719308	10.552	ppbv	94
59) m/p-Xylene	12.979	91	6338882m	21.405	ppbv	
60) o-Xylene	13.680	91	3019071	10.895	ppbv	94
61) Styrene	13.516	104	1737792	10.294	ppbv	96
62) Isopropylbenzene	14.651	105	4327967	10.406	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.661	83	1907200	10.867	ppbv	99
64) n-propylbenzene	15.548	120	1090667	10.099	ppbv	79
65) tert-Butylbenzene	16.732	119	3740933	10.138	ppbv	92
66) Benzyl Chloride	16.973	91	547208	7.284	ppbv	94
67) sec-Butylbenzene	17.281	105	5451275	10.527	ppbv	97
69) p-Isopropyltoluene	17.638	119	4465736	10.503	ppbv	96
70) n-Butylbenzene	18.535	91	4937068	11.527	ppbv	97
71) 2-Chlorotoluene	15.439	91	3415069	10.919	ppbv	95
72) 4-Ethyltoluene	15.825	105	3585277	10.835	ppbv	97
73) 1,3,5-Trimethylbenzene	15.982	105	3229865	10.866	ppbv	96
74) 1,2,4-Trimethylbenzene	16.751	105	3440291	10.949	ppbv	95
75) 1,3-Dichlorobenzene	16.982	146	1906934	10.452	ppbv	98
76) 1,4-Dichlorobenzene	17.124	146	1879577	10.459	ppbv	99
77) 1,2-Dichlorobenzene	17.802	146	1869658	10.396	ppbv	98
78) Hexachloro-1,3-Butadiene	23.358	225	1314965	9.254	ppbv	100
79) Naphthalene	22.178	128	2634091	11.206	ppbv	100
80) Naphthalene,2-methyl-	24.956	142	657380	11.349	ppbv	97
81) 1,2,4-Trichlorobenzene	21.905	180	1466823	10.663	ppbv	98

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

