

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038375.D
 Acq On : 22 Feb 2022 4:10
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Feb 22 07:56:13 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 07:56:13 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	5.648	49	974905	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2383011	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.056	117	2338156m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1916795 10.719 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1521324	7.796	ppbv	100
3) Chlorodifluoromethane	2.983	51	1597378	8.459	ppbv	100
4) Chloromethane	3.131	50	551171	8.473	ppbv	100
5) Vinyl Chloride	3.250	62	577460	8.778	ppbv	100
6) Bromomethane	3.462	94	301694	8.652	ppbv	100
7) Chloroethane	3.546	64	191772	8.767	ppbv	100
8) Dichlorotetrafluoroethane	3.179	85	1349624	8.601	ppbv	100
9) Propene	3.002	41	537333	8.762	ppbv	100
10) Heptane	8.098	43	1375824	8.706	ppbv	100
11) Trichlorofluoromethane	3.938	101	1388727	8.814	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.472	101	1022845	8.591	ppbv	100
13) Ethanol	3.600	45	50676m	8.031	ppbv	
14) Bromoethene	3.726	108	407982	8.757	ppbv	100
15) Acetone	3.838	43	696111	8.209	ppbv	99
16) 1,3-Butadiene	3.320	39	542027	8.965	ppbv	99
17) tert-Butyl alcohol	4.269	59	783562	8.587	ppbv	99
18) 1,1-Dichloroethene	4.275	96	441368	8.571	ppbv	100
19) Isopropyl Alcohol	3.951	45	428424	8.187	ppbv	100
20) Methylene Chloride	4.327	84	363116	7.485	ppbv	100
21) Allyl Chloride	4.398	41	666489	9.043	ppbv	99
22) trans-1,2-Dichloroethene	4.867	96	467630	8.749	ppbv	100
23) Vinyl Acetate	5.057	43	1063018	8.768	ppbv	100
24) 1,1-Dichloroethane	4.992	63	920606	8.515	ppbv	100
25) Ethyl Acetate	5.658	43	2130878	8.954	ppbv	100
26) Hexane	5.668	57	958399	8.704	ppbv	100
27) Carbon Disulfide	4.533	76	1150877	9.122	ppbv	100
28) Methyl tert-Butyl Ether	5.018	73	987217	8.751	ppbv	100
29) Chloroform	5.732	83	1581934	8.819	ppbv	100
30) Cyclohexane	7.111	84	804263	8.551	ppbv	100
31) cis-1,2-Dichloroethene	5.529	61	970562	9.658	ppbv	100
32) 1,1,1-Trichloroethane	6.488	97	1548660	8.649	ppbv	100
34) 2-Butanone	5.224	43	736935	9.367	ppbv	100
35) Carbon Tetrachloride	6.996	117	1636906	9.760	ppbv	100
36) Benzene	6.870	78	2064946	9.752	ppbv	100
37) 1,2-Dichloroethane	6.285	62	1210673	9.978	ppbv	100
38) Trichloroethene	7.809	130	734331	9.335	ppbv	100
39) 1,2-Dichloropropane	7.587	63	811044	9.499	ppbv	100
40) 1,4-Dioxane	7.812	88	190224	9.152	ppbv	100
41) Tetrahydrofuran	6.031	42	514515	9.755	ppbv	100
42) Bromodichloromethane	7.767	83	1756783	9.760	ppbv	100
43) Methyl Methacrylate	7.989	69	771723	10.324	ppbv	100
44) 2,2,4-Trimethylpentane	7.848	57	3468940	9.312	ppbv	100
45) t-1,3-Dichloropropene	9.249	75	678862	11.250	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038375.D
 Acq On : 22 Feb 2022 4:10
 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 : Semsettin Yesilyurt 02/23/2022
 Supervised By : Amit Patel 02/23/2022

Quant Time: Feb 22 07:56:13 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 07:56:13 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	849778	10.524	ppbv	100
47) 1,1,2-Trichloroethane	9.449	97	829880	9.804	ppbv	100
48) Dibromochloromethane	10.275	129	1438473	10.107	ppbv	100
49) Bromoform	13.011	173	1125745	10.820	ppbv	100
50) 4-Methyl-2-Pentanone	8.719	43	1420309	10.147	ppbv	100
51) 2-Hexanone	10.111	43	657590	10.632	ppbv #	100
52) Tetrachloroethene	11.195	164	667391	9.163	ppbv	100
53) Toluene	9.777	91	2286445	9.787	ppbv	99
54) 1,2-Dibromoethane	10.581	107	1198521	9.975	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.098	131	931160	9.105	ppbv	98
57) Chlorobenzene	12.118	112	1651330	8.862	ppbv	100
58) Ethyl Benzene	12.680	91	3120390	9.113	ppbv	100
59) m/p-Xylene	12.966	91	5296995m	18.082	ppbv	
60) o-Xylene	13.661	91	2501464	9.161	ppbv	100
61) Styrene	13.500	104	1295270	10.185	ppbv	100
62) Isopropylbenzene	14.642	105	3334302	9.146	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.648	83	1852692	9.071	ppbv	100
64) n-propylbenzene	15.532	120	872122	9.859	ppbv	100
65) tert-Butylbenzene	16.715	119	2905149	9.543	ppbv	100
66) Benzyl Chloride	16.960	91	196900	13.782	ppbv	100
67) sec-Butylbenzene	17.262	105	4108827	9.673	ppbv	100
69) p-Isopropyltoluene	17.622	119	3388391	10.314	ppbv	100
70) n-Butylbenzene	18.519	91	3551820	10.888	ppbv	100
71) 2-Chlorotoluene	15.423	91	2651132	9.710	ppbv	100
72) 4-Ethyltoluene	15.809	105	2922272	10.077	ppbv	100
73) 1,3,5-Trimethylbenzene	15.969	105	2617897	10.005	ppbv	100
74) 1,2,4-Trimethylbenzene	16.731	105	2736287	9.888	ppbv	100
75) 1,3-Dichlorobenzene	16.963	146	1537798	10.265	ppbv	100
76) 1,4-Dichlorobenzene	17.104	146	1487225	10.278	ppbv	100
77) 1,2-Dichlorobenzene	17.786	146	1453804	10.365	ppbv	100
78) Hexachloro-1,3-Butadiene	23.345	225	983935	10.044	ppbv	100
79) Naphthalene	22.156	128	1830187	13.693	ppbv	100
80) Naphthalene,2-methyl-	24.947	142	424422	24.880	ppbv	98
81) 1,2,4-Trichlorobenzene	21.886	180	1017005	12.849	ppbv	100

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

