

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040214.D
 Acq On : 22 Feb 2023 9:26
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/22/2023
 Supervised By : Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 09:56:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	800926	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2146592	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	2078345	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1780916 10.421 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1738909	11.649	ppbv	99
3) Chlorodifluoromethane	2.664	51	1007247	10.527	ppbv	100
4) Chloromethane	2.803	50	625090	10.401	ppbv	97
5) Vinyl Chloride	2.909	62	538435	11.149	ppbv	99
6) Bromomethane	3.108	94	184833	10.604	ppbv	98
7) Chloroethane	3.185	64	203488	10.625	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	1379639	10.726	ppbv	99
9) Propene	2.684	41	407356	10.445	ppbv	99
10) Heptane	7.571	43	1035120	11.151	ppbv	98
11) Trichlorofluoromethane	3.552	101	1466500	10.949	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.053	101	1098590	11.119	ppbv	98
13) Ethanol	3.234	45	19562	5.448	ppbv	78
14) Bromoethene	3.356	108	424826	11.212	ppbv	99
15) Acetone	3.455	43	930477	9.650	ppbv	99
16) 1,3-Butadiene	2.973	39	495163	11.244	ppbv	100
17) tert-Butyl alcohol	3.867	59	878001	9.984	ppbv	99
18) 1,1-Dichloroethene	3.870	96	471347	10.979	ppbv	99
19) Isopropyl Alcohol	3.565	45	408280	8.907	ppbv	100
20) Methylene Chloride	3.922	84	396991	7.909	ppbv	94
21) Allyl Chloride	3.986	41	682468	11.539	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	502965	11.314	ppbv	95
23) Vinyl Acetate	4.616	43	296759	10.141	ppbv	98
24) 1,1-Dichloroethane	4.552	63	995116	10.879	ppbv	98
25) Ethyl Acetate	5.195	43	1808087	10.087	ppbv	99
26) Hexane	5.201	57	758235	9.853	ppbv	99
27) Carbon Disulfide	4.111	76	1188310	12.170	ppbv	98
28) Methyl tert-Butyl Ether	4.574	73	895687	10.863	ppbv	99
29) Chloroform	5.266	83	1361654	10.305	ppbv	98
30) Cyclohexane	6.590	84	686502	11.361	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	766953	10.490	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1398818	11.268	ppbv	99
34) 2-Butanone	4.774	43	1064134	10.050	ppbv	98
35) Carbon Tetrachloride	6.484	117	1457861	11.488	ppbv	99
36) Benzene	6.359	78	1714262	10.262	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1080742	10.344	ppbv	99
38) Trichloroethene	7.285	130	993621	10.794	ppbv	98
39) 1,2-Dichloropropane	7.063	63	649064	9.988	ppbv	95
40) 1,4-Dioxane	7.278	88	236973	9.116	ppbv	74
41) Tetrahydrofuran	5.545	42	641708	10.457	ppbv	99
42) Bromodichloromethane	7.240	83	1547440	10.731	ppbv	97
43) Methyl Methacrylate	7.465	69	673563	10.897	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	2873000	10.303	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	644222	11.749	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	874047	11.442	ppbv	98
47) 1,1,2-Trichloroethane	8.892	97	712915	10.143	ppbv	97
48) Dibromochloromethane	9.703	129	1237794	11.010	ppbv	99
49) Bromoform	12.400	173	957949	10.917	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	1790696	10.891	ppbv	99
51) 2-Hexanone	9.542	43	1392466	11.012	ppbv	98
52) Tetrachloroethene	10.609	164	561201	10.758	ppbv	98
53) Toluene	9.211	91	1930868	10.792	ppbv	99
54) 1,2-Dibromoethane	10.002	107	794136	10.859	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	881926	10.109	ppbv #	94
57) Chlorobenzene	11.516	112	1490948	9.819	ppbv	98
58) Ethyl Benzene	12.082	91	2656939	10.522	ppbv	97
59) m/p-Xylene	12.368	91	4617916m	20.647	ppbv	
60) o-Xylene	13.053	91	2221731	10.324	ppbv	100
61) Styrene	12.892	104	1239532	10.971	ppbv	99
62) Isopropylbenzene	14.024	105	3121297	10.105	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	749422	9.663	ppbv	99
64) n-propylbenzene	14.908	120	784465	10.260	ppbv	96
65) tert-Butylbenzene	16.085	119	2698770	10.051	ppbv	98
66) Benzyl Chloride	16.323	91	170086	9.519	ppbv	98
67) sec-Butylbenzene	16.632	105	3826961	9.938	ppbv	99
69) p-Isopropyltoluene	16.992	119	3060276	10.024	ppbv	99
70) n-Butylbenzene	17.882	91	3295110	9.944	ppbv	100
71) 2-Chlorotoluene	14.796	91	2371549	10.038	ppbv	99
72) 4-Ethyltoluene	15.188	105	2486948	10.454	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2206573	9.968	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	2415992	9.936	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1289308	9.689	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1252943	9.609	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	1229772	9.304	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	818010	9.008	ppbv	100
79) Naphthalene	21.381	128	1610768	11.791	ppbv	97
80) Naphthalene,2-methyl-	24.371	142	337529	8.689	ppbv	98
81) 1,2,4-Trichlorobenzene	21.133	180	869973	10.177	ppbv	97

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

