

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021323\
 Data File : VL040167.D
 Acq On : 14 Feb 2023 8:48
 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 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

Quant Time: Feb 14 09:20:46 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	888344	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2415783	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2401257m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1718582 8.611 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 86.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1102368	7.077	ppbv	100
3) Chlorodifluoromethane	2.658	51	1100856	10.332	ppbv	95
4) Chloromethane	2.796	50	711112	10.798	ppbv	99
5) Vinyl Chloride	2.902	62	618046	11.070	ppbv	96
6) Bromomethane	3.102	94	205332	10.079	ppbv	98
7) Chloroethane	3.179	64	227692	10.670	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	1451974	9.986	ppbv	98
9) Propene	2.674	41	493890	11.156	ppbv	100
10) Heptane	7.571	43	1207412	11.834	ppbv	99
11) Trichlorofluoromethane	3.545	101	1478995	9.515	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	1118777	9.573	ppbv	96
13) Ethanol	3.227	45	38964m	9.563	ppbv	
14) Bromoethene	3.349	108	463285	10.679	ppbv	99
15) Acetone	3.449	43	1103374	10.357	ppbv	98
16) 1,3-Butadiene	2.967	39	545055	10.973	ppbv	99
17) tert-Butyl alcohol	3.861	59	1179751	11.891	ppbv	100
18) 1,1-Dichloroethene	3.867	96	506897	9.983	ppbv	98
19) Isopropyl Alcohol	3.555	45	605276	11.611	ppbv #	98
20) Methylene Chloride	3.918	84	445608	9.480	ppbv	98
21) Allyl Chloride	3.980	41	752581	11.001	ppbv	98
22) trans-1,2-Dichloroethene	4.430	96	534283	10.298	ppbv	94
23) Vinyl Acetate	4.610	43	415460	12.030	ppbv	98
24) 1,1-Dichloroethane	4.549	63	1062968	10.164	ppbv	99
25) Ethyl Acetate	5.188	43	2169618	11.559	ppbv	100
26) Hexane	5.198	57	943510	11.487	ppbv	97
27) Carbon Disulfide	4.108	76	1287448	12.099	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	1018329	11.020	ppbv	99
29) Chloroform	5.262	83	1532837	11.672	ppbv	98
30) Cyclohexane	6.594	84	793579	12.153	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	839984	10.563	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	1518969	11.380	ppbv	100
34) 2-Butanone	4.771	43	1234109	10.800	ppbv	99
35) Carbon Tetrachloride	6.481	117	1585241	11.606	ppbv	98
36) Benzene	6.359	78	2041991	11.422	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1176593	10.239	ppbv	97
38) Trichloroethene	7.282	130	1192986	11.758	ppbv	98
39) 1,2-Dichloropropane	7.060	63	766686	10.964	ppbv	95
40) 1,4-Dioxane	7.275	88	317026	11.424	ppbv	97
41) Tetrahydrofuran	5.542	42	793622	12.033	ppbv	99
42) Bromodichloromethane	7.243	83	1726223	11.125	ppbv	97
43) Methyl Methacrylate	7.465	69	825123	12.577	ppbv	96
44) 2,2,4-Trimethylpentane	7.317	57	3327768	11.193	ppbv	98
45) t-1,3-Dichloropropene	8.703	75	796727	13.619	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1068449	13.366	ppbv	93
47) 1,1,2-Trichloroethane	8.893	97	834971	11.341	ppbv	99
48) Dibromochloromethane	9.706	129	1445006	12.212	ppbv	100
49) Bromoform	12.404	173	1139454	12.500	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2061614	11.470	ppbv	99
51) 2-Hexanone	9.545	43	1628072	11.956	ppbv #	96
52) Tetrachloroethene	10.609	164	697073	11.919	ppbv	97
53) Toluene	9.214	91	2347471	12.311	ppbv	100
54) 1,2-Dibromoethane	10.005	107	967474	12.552	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	1014298	10.853	ppbv	97
57) Chlorobenzene	11.523	112	1800859	11.002	ppbv	96
58) Ethyl Benzene	12.085	91	3154438	11.772	ppbv	98
59) m/p-Xylene	12.368	91	5373831m	22.304	ppbv	
60) o-Xylene	13.056	91	2534243	11.081	ppbv	98
61) Styrene	12.896	104	1525011	12.797	ppbv	98
62) Isopropylbenzene	14.027	105	3592517	10.921	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	843095	10.153	ppbv	98
64) n-propylbenzene	14.918	120	930423	11.378	ppbv	95
65) tert-Butylbenzene	16.088	119	3127149	11.104	ppbv	97
66) Benzyl Chloride	16.333	91	249691m	12.973	ppbv	
67) sec-Butylbenzene	16.635	105	4386395	10.986	ppbv	100
69) p-Isopropyltoluene	16.995	119	3566491	11.367	ppbv	99
70) n-Butylbenzene	17.883	91	3791650	11.206	ppbv	100
71) 2-Chlorotoluene	14.799	91	2795202	11.048	ppbv	99
72) 4-Ethyltoluene	15.191	105	2914993	11.486	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	2581239	11.297	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2779363	10.981	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	1568148	11.155	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1539474	11.138	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	1476219	10.981	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	975158	9.903	ppbv	99
79) Naphthalene	21.387	128	2100419	14.486	ppbv	98
80) Naphthalene,2-methyl-	24.377	142	785881	16.085	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1087253	12.166	ppbv	98

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

