

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040141.D
 Acq On : 6 Feb 2023 11:06
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/07/2023
 Supervised By : Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 05:49:48 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	5.185	49	888474	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2383398	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2322161	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1813232 9.395 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1833093	11.767	ppbv	97
3) Chlorodifluoromethane	2.661	51	1057741	9.926	ppbv	98
4) Chloromethane	2.800	50	668724	10.153	ppbv	99
5) Vinyl Chloride	2.909	62	577246	10.337	ppbv	98
6) Bromomethane	3.108	94	197576	9.697	ppbv	99
7) Chloroethane	3.185	64	195829	9.175	ppbv	99
8) Dichlorotetrafluoroethane	2.845	85	1464980	10.074	ppbv	100
9) Propene	2.681	41	437084	9.872	ppbv	99
10) Heptane	7.578	43	1092816	10.709	ppbv	99
11) Trichlorofluoromethane	3.552	101	1542776	9.924	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	1166553	9.981	ppbv	99
13) Ethanol	3.234	45	31796m	7.802	ppbv	
14) Bromoethene	3.353	108	456074	10.512	ppbv	99
15) Acetone	3.456	43	1006292	9.444	ppbv	99
16) 1,3-Butadiene	2.973	39	510802	10.282	ppbv	99
17) tert-Butyl alcohol	3.867	59	990178	9.979	ppbv	100
18) 1,1-Dichloroethene	3.870	96	508334	10.010	ppbv	96
19) Isopropyl Alcohol	3.565	45	473542	9.083	ppbv #	98
20) Methylene Chloride	3.922	84	432196	9.194	ppbv	100
21) Allyl Chloride	3.986	41	708626	10.357	ppbv	98
22) trans-1,2-Dichloroethene	4.436	96	527170	10.160	ppbv	95
23) Vinyl Acetate	4.616	43	354249m	10.256	ppbv	
24) 1,1-Dichloroethane	4.555	63	1049798	10.037	ppbv	99
25) Ethyl Acetate	5.198	43	1940275	10.336	ppbv	99
26) Hexane	5.205	57	813053	9.897	ppbv	100
27) Carbon Disulfide	4.115	76	1252970	11.773	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	955864	10.343	ppbv	100
29) Chloroform	5.266	83	1435074	10.926	ppbv	96
30) Cyclohexane	6.594	84	707881	10.839	ppbv	98
31) cis-1,2-Dichloroethene	5.070	61	798386	10.039	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1465291	10.976	ppbv	100
34) 2-Butanone	4.777	43	1137399	10.089	ppbv	100
35) Carbon Tetrachloride	6.491	117	1542575	11.447	ppbv	97
36) Benzene	6.365	78	1795350	10.179	ppbv	98
37) 1,2-Dichloroethane	5.799	62	1135720	10.018	ppbv	100
38) Trichloroethene	7.288	130	1064612	10.635	ppbv	98
39) 1,2-Dichloropropane	7.070	63	690724	10.012	ppbv	94
40) 1,4-Dioxane	7.282	88	244491	8.930	ppbv	70
41) Tetrahydrofuran	5.552	42	682328	10.486	ppbv	99
42) Bromodichloromethane	7.246	83	1611337	10.526	ppbv	99
43) Methyl Methacrylate	7.471	69	716280	11.067	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	2994905	10.210	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	689926	11.954	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	940274	11.922	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	720023	9.913	ppbv	98
48) Dibromochloromethane	9.713	129	1262352	10.813	ppbv	100
49) Bromoform	12.410	173	965877	10.740	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	1840252	10.378	ppbv	100
51) 2-Hexanone	9.549	43	1410668	10.500	ppbv	98
52) Tetrachloroethene	10.616	164	604500	10.477	ppbv	98
53) Toluene	9.221	91	2020104	10.739	ppbv	100
54) 1,2-Dibromoethane	10.012	107	812946	10.690	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	899656	9.954	ppbv	98
57) Chlorobenzene	11.529	112	1527684	9.651	ppbv	96
58) Ethyl Benzene	12.089	91	2720883	10.500	ppbv	100
59) m/p-Xylene	12.372	91	4699671m	20.170	ppbv	
60) o-Xylene	13.063	91	2237931	10.119	ppbv	100
61) Styrene	12.899	104	1265196	10.978	ppbv	99
62) Isopropylbenzene	14.034	105	3132688	9.848	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	735558	9.160	ppbv	98
64) n-propylbenzene	14.918	120	788123	9.966	ppbv	100
65) tert-Butylbenzene	16.092	119	2767403	10.161	ppbv	99
66) Benzyl Chloride	16.330	91	182621	9.811	ppbv #	94
67) sec-Butylbenzene	16.642	105	3946330	10.221	ppbv	100
69) p-Isopropyltoluene	16.998	119	3183297	10.492	ppbv	100
70) n-Butylbenzene	17.889	91	3429069	10.480	ppbv	100
71) 2-Chlorotoluene	14.802	91	2425210	9.913	ppbv	100
72) 4-Ethyltoluene	15.198	105	2528620	10.303	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2257543	10.216	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	2484217	10.149	ppbv	97
75) 1,3-Dichlorobenzene	16.336	146	1376132	10.122	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	1345411	10.065	ppbv	100
77) 1,2-Dichlorobenzene	17.146	146	1357301	10.440	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	828997	8.706	ppbv	99
79) Naphthalene	21.390	128	1796514	12.812	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	273841	5.796	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	959683	11.104	ppbv	98

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

