

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040229.D
 Acq On : 27 Feb 2023 10:22
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2023
 Supervised By : Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 00:12:37 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 : Tue Feb 28 00:12:21 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	947420	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2576204	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2376685m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1924182 9.846 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1281795	7.259	ppbv	100
3) Chlorodifluoromethane	2.658	51	1135537	10.033	ppbv	99
4) Chloromethane	2.796	50	730830	10.280	ppbv	93
5) Vinyl Chloride	2.906	62	635726	11.128	ppbv	96
6) Bromomethane	3.108	94	207174	10.048	ppbv	99
7) Chloroethane	3.182	64	236857	10.455	ppbv	100
8) Dichlorotetrafluoroethane	2.841	85	1514666	9.955	ppbv	99
9) Propene	2.681	41	492956	10.685	ppbv	96
10) Heptane	7.577	43	1190467	10.842	ppbv	99
11) Trichlorofluoromethane	3.549	101	1575019	9.941	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.057	101	1211341	10.364	ppbv	99
13) Ethanol	3.234	45	31487m	7.414	ppbv	
14) Bromoethene	3.353	108	473164	10.557	ppbv	98
15) Acetone	3.455	43	1076716	9.440	ppbv	100
16) 1,3-Butadiene	2.970	39	560223	10.755	ppbv	96
17) tert-Butyl alcohol	3.864	59	1162915	11.179	ppbv	100
18) 1,1-Dichloroethene	3.867	96	540830	10.649	ppbv	98
19) Isopropyl Alcohol	3.565	45	568602	10.487	ppbv	100
20) Methylene Chloride	3.922	84	457434	7.704	ppbv	95
21) Allyl Chloride	3.986	41	778485	11.127	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	568793	10.816	ppbv	91
23) Vinyl Acetate	4.613	43	373365	10.786	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1116420	10.318	ppbv	99
25) Ethyl Acetate	5.195	43	2087403	9.844	ppbv	99
26) Hexane	5.205	57	889932	9.777	ppbv	98
27) Carbon Disulfide	4.115	76	1372254	11.880	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	1042473	10.688	ppbv	99
29) Chloroform	5.266	83	1348485	8.628	ppbv	100
30) Cyclohexane	6.594	84	778961	10.898	ppbv	99
31) cis-1,2-Dichloroethene	5.069	61	859832	9.942	ppbv	98
32) 1,1,1-Trichloroethane	5.995	97	1580716	10.764	ppbv	99
34) 2-Butanone	4.774	43	1233717	9.708	ppbv	98
35) Carbon Tetrachloride	6.487	117	1619162	10.632	ppbv	96
36) Benzene	6.365	78	1996252	9.957	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1227008	9.786	ppbv	100
38) Trichloroethene	7.288	130	1161737	10.516	ppbv	99
39) 1,2-Dichloropropane	7.069	63	755750	9.690	ppbv	98
40) 1,4-Dioxane	7.282	88	303765	9.737	ppbv	98
41) Tetrahydrofuran	5.549	42	760386	10.325	ppbv	99
42) Bromodichloromethane	7.246	83	1746557	10.092	ppbv	99
43) Methyl Methacrylate	7.471	69	783766	10.565	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3283144	9.810	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	756743	11.500	ppbv	96

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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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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	1010306	11.020	ppbv	98
47) 1,1,2-Trichloroethane	8.896	97	822608	9.752	ppbv	97
48) Dibromochloromethane	9.706	129	1408241	10.437	ppbv	99
49) Bromoform	12.407	173	1113826	10.577	ppbv	99
50) 4-Methyl-2-Pentanone	8.175	43	2025468	10.265	ppbv	100
51) 2-Hexanone	9.548	43	1565866	10.319	ppbv #	100
52) Tetrachloroethene	10.619	164	649801	10.379	ppbv	96
53) Toluene	9.217	91	2222493	10.350	ppbv	100
54) 1,2-Dibromoethane	10.008	107	902277	10.280	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1005822	10.082	ppbv	95
57) Chlorobenzene	11.526	112	1709532	9.845	ppbv	99
58) Ethyl Benzene	12.089	91	3039285	10.525	ppbv	96
59) m/p-Xylene	12.375	91	5238754m	20.483	ppbv	
60) o-Xylene	13.060	91	2513431	10.213	ppbv	100
61) Styrene	12.896	104	1428890	11.059	ppbv	99
62) Isopropylbenzene	14.027	105	3510507	9.938	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	831921	9.381	ppbv	99
64) n-propylbenzene	14.915	120	898531	10.277	ppbv	99
65) tert-Butylbenzene	16.095	119	3073557	10.009	ppbv	99
66) Benzyl Chloride	16.329	91	202720	9.921	ppbv	97
67) sec-Butylbenzene	16.638	105	4354493	9.888	ppbv	99
69) p-Isopropyltoluene	16.998	119	3461951	9.916	ppbv	100
70) n-Butylbenzene	17.889	91	3763803	9.933	ppbv	99
71) 2-Chlorotoluene	14.802	91	2717328	10.058	ppbv	99
72) 4-Ethyltoluene	15.191	105	2788112	10.248	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2500086	9.876	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	2726912	9.807	ppbv	94
75) 1,3-Dichlorobenzene	16.336	146	1477624	9.710	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1445878	9.696	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1423899	9.420	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	841576m	8.104	ppbv	
79) Naphthalene	21.390	128	1575089	10.083	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	339272	7.638	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	863113	8.829	ppbv	98

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

