

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040126.D
 Acq On : 20 Jan 2023 8:57
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 09:36:52 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	945825	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	2574427	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.490	117	2602671m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.805 95 1906656 8.815 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 88.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1562240	9.420	ppbv	99
3) Chlorodifluoromethane	2.671	51	1047941	9.237	ppbv	95
4) Chloromethane	2.812	50	614095	8.758	ppbv	100
5) Vinyl Chloride	2.918	62	565296	9.510	ppbv	100
6) Bromomethane	3.121	94	216554	9.984	ppbv	99
7) Chloroethane	3.198	64	209085	9.202	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1323185	8.547	ppbv	98
9) Propene	2.690	41	474896	10.075	ppbv	99
10) Heptane	7.597	43	1161914	10.696	ppbv	99
11) Trichlorofluoromethane	3.565	101	1295130	7.825	ppbv	96
12) 1,1,2-Trichlorotrifluoro...	4.073	101	998859	8.028	ppbv	94
13) Ethanol	3.240	45	25237m	5.817	ppbv	
14) Bromoethene	3.369	108	391848	8.484	ppbv	97
15) Acetone	3.468	43	983069	8.667	ppbv	97
16) 1,3-Butadiene	2.983	39	523049	9.890	ppbv	98
17) tert-Butyl alcohol	3.883	59	1159725	10.979	ppbv	100
18) 1,1-Dichloroethene	3.886	96	448223	8.291	ppbv	96
19) Isopropyl Alcohol	3.578	45	492976	8.882	ppbv	98
20) Methylene Chloride	3.938	84	394981	7.893	ppbv	93
21) Allyl Chloride	4.002	41	699128	9.599	ppbv	96
22) trans-1,2-Dichloroethene	4.455	96	463604	8.393	ppbv	93
23) Vinyl Acetate	4.635	43	145204m	3.949	ppbv	
24) 1,1-Dichloroethane	4.571	63	992304	8.912	ppbv	99
25) Ethyl Acetate	5.211	43	2340908	11.714	ppbv	98
26) Hexane	5.224	57	919169	10.510	ppbv	92
27) Carbon Disulfide	4.131	76	1097768	9.689	ppbv	98
28) Methyl tert-Butyl Ether	4.594	73	944438	9.599	ppbv	98
29) Chloroform	5.285	83	1347574	9.637	ppbv	98
30) Cyclohexane	6.619	84	790971	11.377	ppbv	95
31) cis-1,2-Dichloroethene	5.089	61	767249	9.062	ppbv	94
32) 1,1,1-Trichloroethane	6.018	97	1329602	9.355	ppbv	100
34) 2-Butanone	4.793	43	1119235	9.191	ppbv	98
35) Carbon Tetrachloride	6.510	117	1347230	9.255	ppbv	99
36) Benzene	6.385	78	1955343	10.264	ppbv	99
37) 1,2-Dichloroethane	5.819	62	1044901	8.533	ppbv	97
38) Trichloroethene	7.311	130	882588	8.163	ppbv	95
39) 1,2-Dichloropropane	7.089	63	746794	10.021	ppbv	92
40) 1,4-Dioxane	7.307	88	288376	9.751	ppbv	90
41) Tetrahydrofuran	5.568	42	781233	11.115	ppbv	100
42) Bromodichloromethane	7.266	83	1504528	9.099	ppbv	100
43) Methyl Methacrylate	7.494	69	813304	11.633	ppbv	96
44) 2,2,4-Trimethylpentane	7.346	57	3230023	10.195	ppbv	97
45) t-1,3-Dichloropropene	8.728	75	680383	10.914	ppbv	96

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	956740	11.231	ppbv	92
47) 1,1,2-Trichloroethane	8.921	97	788476	10.050	ppbv	100
48) Dibromochloromethane	9.735	129	1256954	9.968	ppbv	99
49) Bromoform	12.436	173	1049705	10.806	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	1942703	10.143	ppbv	98
51) 2-Hexanone	9.571	43	1511517	10.416	ppbv #	94
52) Tetrachloroethene	10.638	164	651341	10.451	ppbv	97
53) Toluene	9.243	91	2203318	10.843	ppbv	100
54) 1,2-Dibromoethane	10.031	107	978141	11.908	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.532	131	950806	9.386	ppbv	98
57) Chlorobenzene	11.552	112	1615996	9.109	ppbv	95
58) Ethyl Benzene	12.111	91	2904345	10.000	ppbv	96
59) m/p-Xylene	12.397	91	4802708m	18.391	ppbv	
60) o-Xylene	13.085	91	2288449	9.232	ppbv	96
61) Styrene	12.924	104	1396726	10.813	ppbv	96
62) Isopropylbenzene	14.056	105	3520145	9.873	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.076	83	1274123	14.156	ppbv	99
64) n-propylbenzene	14.940	120	903587	10.195	ppbv	90
65) tert-Butylbenzene	16.120	119	3047512	9.984	ppbv	94
66) Benzyl Chloride	16.358	91	163891m	7.856	ppbv	
67) sec-Butylbenzene	16.664	105	4281213	9.893	ppbv	99
69) p-Isopropyltoluene	17.024	119	3470318	10.205	ppbv	98
70) n-Butylbenzene	17.918	91	3529800	9.625	ppbv	99
71) 2-Chlorotoluene	14.825	91	2628601	9.586	ppbv	98
72) 4-Ethyltoluene	15.217	105	2658483	9.665	ppbv	98
73) 1,3,5-Trimethylbenzene	15.378	105	2380250	9.611	ppbv	95
74) 1,2,4-Trimethylbenzene	16.137	105	2507086	9.138	ppbv	99
75) 1,3-Dichlorobenzene	16.362	146	1399321	9.184	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	1363144	9.099	ppbv	99
77) 1,2-Dichlorobenzene	17.172	146	1366376	9.377	ppbv	98
78) Hexachloro-1,3-Butadiene	22.667	225	938802	8.796	ppbv	99
79) Naphthalene	21.416	128	2003107	12.745	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	551268	10.410	ppbv	99
81) 1,2,4-Trichlorobenzene	21.175	180	996395	10.286	ppbv	97

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

