

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040646.D
 Acq On : 5 Sep 2023 13:40
 Operator : SY/MD
 Sample : VL0905ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/06/2023
 Supervised By : Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:05:38 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	941510	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2450324	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2435677m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.776 95 1984397 10.244 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1460685	7.203	ppbv	98
3) Chlorodifluoromethane	2.664	51	1430905	9.256	ppbv	97
4) Chloromethane	2.799	50	553248	9.176	ppbv	100
5) Vinyl Chloride	2.909	62	602429	9.410	ppbv	97
6) Bromomethane	3.111	94	333379	9.933	ppbv	98
7) Chloroethane	3.185	64	225557	9.658	ppbv	92
8) Dichlorotetrafluoroethane	2.844	85	1597932	9.735	ppbv	99
9) Propene	2.680	41	417683	8.720	ppbv	98
10) Heptane	7.574	43	1062042	9.628	ppbv	100
11) Trichlorofluoromethane	3.552	101	1697052	10.366	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	1229682	10.119	ppbv	99
13) Ethanol	3.230	45	104485m	7.816	ppbv	
14) Bromoethene	3.356	108	516709	10.472	ppbv	98
15) Acetone	3.459	43	1097025	9.526	ppbv	99
16) 1,3-Butadiene	2.973	39	523796	9.146	ppbv	96
17) tert-Butyl alcohol	3.867	59	1271045	10.407	ppbv	99
18) 1,1-Dichloroethene	3.870	96	554629	10.072	ppbv	99
19) Isopropyl Alcohol	3.565	45	722303	9.892	ppbv	99
20) Methylene Chloride	3.925	84	461911	8.208	ppbv	94
21) Allyl Chloride	3.986	41	728946	9.570	ppbv	96
22) trans-1,2-Dichloroethene	4.436	96	567180	10.492	ppbv	98
23) Vinyl Acetate	4.619	43	1273585	9.705	ppbv #	97
24) 1,1-Dichloroethane	4.555	63	1110309	9.894	ppbv	99
25) Ethyl Acetate	5.198	43	1949163	9.012	ppbv	100
26) Hexane	5.208	57	851854	8.141	ppbv	95
27) Carbon Disulfide	4.114	76	1379503	11.073	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	767719	9.490	ppbv	99
29) Chloroform	5.269	83	1557607	9.404	ppbv	99
30) Cyclohexane	6.597	84	725964	9.067	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	905805	9.591	ppbv	96
32) 1,1,1-Trichloroethane	5.999	97	1600070	10.088	ppbv	99
34) 2-Butanone	4.780	43	1209005	9.784	ppbv	98
35) Carbon Tetrachloride	6.491	117	1673029	10.912	ppbv	99
36) Benzene	6.368	78	1812333	9.297	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1190690	10.128	ppbv	98
38) Trichloroethene	7.291	130	760026	10.069	ppbv	98
39) 1,2-Dichloropropane	7.073	63	693830	9.356	ppbv	98
40) 1,4-Dioxane	7.285	88	253242	9.013	ppbv #	1
41) Tetrahydrofuran	5.552	42	655874	9.391	ppbv	99
42) Bromodichloromethane	7.249	83	1719950	10.510	ppbv	97
43) Methyl Methacrylate	7.471	69	752847	10.314	ppbv	99
44) 2,2,4-Trimethylpentane	7.323	57	3027535	9.609	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	698641	11.986	ppbv	99

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	805491	11.328	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	796632	9.509	ppbv	95
48) Dibromochloromethane	9.709	129	1425468	10.873	ppbv	99
49) Bromoform	12.410	173	1198470	11.409	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	1849640	10.246	ppbv	98
51) 2-Hexanone	9.552	43	1352192	10.631	ppbv #	97
52) Tetrachloroethene	10.619	164	648930	10.630	ppbv	97
53) Toluene	9.220	91	2144601	10.353	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1173521	11.002	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.510	131	1072096	9.513	ppbv	98
57) Chlorobenzene	11.526	112	1728126	9.193	ppbv	99
58) Ethyl Benzene	12.088	91	2965338	10.096	ppbv	99
59) m/p-Xylene	12.371	91	5268464m	19.664	ppbv	
60) o-Xylene	13.059	91	2557405	10.071	ppbv	99
61) Styrene	12.899	104	1239923	11.143	ppbv	99
62) Isopropylbenzene	14.031	105	3730216	9.706	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1830631	9.625	ppbv	100
64) n-propylbenzene	14.918	120	948645	9.767	ppbv	98
65) tert-Butylbenzene	16.092	119	3345986	10.045	ppbv	99
66) Benzyl Chloride	16.329	91	441901	10.550	ppbv	98
67) sec-Butylbenzene	16.638	105	4751225	9.777	ppbv	100
69) p-Isopropyltoluene	16.998	119	3851661	10.129	ppbv	99
70) n-Butylbenzene	17.886	91	4219114	10.163	ppbv	99
71) 2-Chlorotoluene	14.802	91	2878612	10.095	ppbv	100
72) 4-Ethyltoluene	15.191	105	2977938	10.388	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	2579471	10.066	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2975324	9.942	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	1697301	9.809	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	1653066	9.772	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1633790	9.597	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1145992	8.872	ppbv	99
79) Naphthalene	21.384	128	2497746	12.637	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	866057	15.227	ppbv	97
81) 1,2,4-Trichlorobenzene	21.140	180	1366140	10.502	ppbv	99

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

