

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090723\
 Data File : VL040667.D
 Acq On : 7 Sep 2023 10:37
 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 09/11/2023
 Supervised By : Mahesh Dadoda 09/11/2023

Quant Time: Sep 07 11:08:41 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	5.192	49	985374	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2564373	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2568281	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2184279 10.694 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2203723	10.383	ppbv	97
3) Chlorodifluoromethane	2.665	51	1558891	9.635	ppbv	94
4) Chloromethane	2.803	50	600619	9.518	ppbv	98
5) Vinyl Chloride	2.912	62	687752	10.264	ppbv	98
6) Bromomethane	3.108	94	378235	10.768	ppbv	100
7) Chloroethane	3.189	64	246075	10.068	ppbv	92
8) Dichlorotetrafluoroethane	2.848	85	1782328	10.375	ppbv	99
9) Propene	2.684	41	426297	8.503	ppbv	98
10) Heptane	7.584	43	1181157	10.232	ppbv	99
11) Trichlorofluoromethane	3.555	101	1981694	11.566	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1428785	11.234	ppbv	98
13) Ethanol	3.234	45	91017	6.505	ppbv	98
14) Bromoethene	3.359	108	587007	11.367	ppbv	98
15) Acetone	3.459	43	1254961	10.412	ppbv	99
16) 1,3-Butadiene	2.977	39	612250	10.215	ppbv	100
17) tert-Butyl alcohol	3.870	59	1269172	9.929	ppbv	100
18) 1,1-Dichloroethene	3.874	96	640009	11.105	ppbv	98
19) Isopropyl Alcohol	3.568	45	673839	8.817	ppbv #	98
20) Methylene Chloride	3.925	84	536338	9.106	ppbv	94
21) Allyl Chloride	3.989	41	821654	10.307	ppbv	95
22) trans-1,2-Dichloroethene	4.440	96	660821	11.680	ppbv	98
23) Vinyl Acetate	4.623	43	1406642	10.242	ppbv #	99
24) 1,1-Dichloroethane	4.558	63	1277583	10.878	ppbv	100
25) Ethyl Acetate	5.205	43	2133145	9.424	ppbv	99
26) Hexane	5.211	57	937672	8.562	ppbv	95
27) Carbon Disulfide	4.118	76	1566108	12.012	ppbv	100
28) Methyl tert-Butyl Ether	4.584	73	895071	10.572	ppbv	99
29) Chloroform	5.272	83	1749270	10.091	ppbv	97
30) Cyclohexane	6.603	84	795056	9.488	ppbv	98
31) cis-1,2-Dichloroethene	5.076	61	990177	10.018	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	1806389	10.882	ppbv	99
34) 2-Butanone	4.784	43	1315909	10.176	ppbv	98
35) Carbon Tetrachloride	6.494	117	1925560	12.000	ppbv	99
36) Benzene	6.375	78	1969404	9.653	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1357230	11.031	ppbv	97
38) Trichloroethene	7.298	130	837678	10.604	ppbv	96
39) 1,2-Dichloropropane	7.076	63	754144	9.717	ppbv	95
40) 1,4-Dioxane	7.288	88	240931	8.194	ppbv #	27
41) Tetrahydrofuran	5.555	42	694371	9.500	ppbv	99
42) Bromodichloromethane	7.253	83	1932251	11.283	ppbv	97
43) Methyl Methacrylate	7.478	69	827453	10.832	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	3288061	9.971	ppbv	96
45) t-1,3-Dichloropropene	8.716	75	767410	12.580	ppbv	96

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 ClientSampleId :
 VSTDCCC010

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	916440	12.315	ppbv	93
47) 1,1,2-Trichloroethane	8.906	97	892606	10.181	ppbv	98
48) Dibromochloromethane	9.719	129	1641597	11.964	ppbv	99
49) Bromoform	12.413	173	1402644	12.759	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2021907	10.703	ppbv	100
51) 2-Hexanone	9.555	43	1526325	11.466	ppbv #	97
52) Tetrachloroethene	10.623	164	725015	11.348	ppbv	97
53) Toluene	9.227	91	2383674	10.995	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1313454	11.766	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.516	131	1241239	10.446	ppbv	98
57) Chlorobenzene	11.536	112	1979792	9.988	ppbv #	96
58) Ethyl Benzene	12.095	91	3377749	10.907	ppbv	98
59) m/p-Xylene	12.378	91	6065927m	21.472	ppbv	
60) o-Xylene	13.069	91	2952853	11.028	ppbv	99
61) Styrene	12.905	104	1415712	12.066	ppbv	98
62) Isopropylbenzene	14.037	105	4278574	10.558	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.057	83	2126884	10.606	ppbv	99
64) n-propylbenzene	14.925	120	1110948	10.847	ppbv	99
65) tert-Butylbenzene	16.098	119	3855514	10.977	ppbv	98
66) Benzyl Chloride	16.336	91	509933	11.546	ppbv	98
67) sec-Butylbenzene	16.645	105	5475518	10.685	ppbv	100
69) p-Isopropyltoluene	17.005	119	4437405	11.067	ppbv	99
70) n-Butylbenzene	17.892	91	4852319	11.085	ppbv	100
71) 2-Chlorotoluene	14.809	91	3315061	11.025	ppbv	99
72) 4-Ethyltoluene	15.201	105	3435939	11.367	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2975775	11.013	ppbv	99
74) 1,2,4-Trimethylbenzene	16.118	105	3427847	10.863	ppbv	99
75) 1,3-Dichlorobenzene	16.339	146	1939023	10.627	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	1898552	10.644	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1891808	10.538	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1335669	9.807	ppbv	99
79) Naphthalene	21.391	128	2810644	13.486	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	854093	14.241	ppbv	92
81) 1,2,4-Trichlorobenzene	21.149	180	1548394	11.288	ppbv	100

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

