

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121322\
 Data File : VL040011.D
 Acq On : 13 Dec 2022 18:14
 Operator : SY/MD
 Sample : VL1213ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1213ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 14 02:38:47 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	938884	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	2537257	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2704501	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1879593 9.099 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1026030	7.630	ppbv	97
3) Chlorodifluoromethane	2.658	51	1223848	9.446	ppbv	97
4) Chloromethane	2.796	50	796912	9.626	ppbv	99
5) Vinyl Chloride	2.902	62	681885	10.540	ppbv	97
6) Bromomethane	3.102	94	246020	11.149	ppbv	99
7) Chloroethane	3.179	64	258414	10.105	ppbv	94
8) Dichlorotetrafluoroethane	2.841	85	1537656	10.015	ppbv	99
9) Propene	2.677	41	536112	8.785	ppbv	98
10) Heptane	7.565	43	1373367	9.326	ppbv	98
11) Trichlorofluoromethane	3.546	101	1710986	10.432	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1281728	10.325	ppbv	96
13) Ethanol	3.227	45	35381	7.593	ppbv	93
14) Bromoethene	3.349	108	530015	10.949	ppbv	98
15) Acetone	3.449	43	1165230	9.357	ppbv	99
16) 1,3-Butadiene	2.967	39	615144	9.911	ppbv	98
17) tert-Butyl alcohol	3.861	59	1299488	9.076	ppbv	99
18) 1,1-Dichloroethene	3.861	96	565126	9.980	ppbv	99
19) Isopropyl Alcohol	3.558	45	662326	9.823	ppbv #	33
20) Methylene Chloride	3.915	84	498744	8.266	ppbv	92
21) Allyl Chloride	3.980	41	833199	9.645	ppbv	98
22) trans-1,2-Dichloroethene	4.426	96	604187	10.492	ppbv	99
23) Vinyl Acetate	4.610	43	475499	9.294	ppbv #	98
24) 1,1-Dichloroethane	4.545	63	1217227	9.867	ppbv	99
25) Ethyl Acetate	5.185	43	2497199	10.922	ppbv	99
26) Hexane	5.195	57	1087162	10.884	ppbv	98
27) Carbon Disulfide	4.105	76	1336974	10.602	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	1149750	9.194	ppbv	99
29) Chloroform	5.256	83	1773374	13.360	ppbv	99
30) Cyclohexane	6.587	84	926589	9.453	ppbv	95
31) cis-1,2-Dichloroethene	5.060	61	1040937	11.280	ppbv	95
32) 1,1,1-Trichloroethane	5.986	97	1768067	10.666	ppbv	99
34) 2-Butanone	4.767	43	1354465	11.157	ppbv	97
35) Carbon Tetrachloride	6.475	117	1811817	12.574	ppbv	98
36) Benzene	6.352	78	2355100	10.920	ppbv	98
37) 1,2-Dichloroethane	5.787	62	1355994	11.473	ppbv	100
38) Trichloroethene	7.275	130	1357694	11.262	ppbv	99
39) 1,2-Dichloropropane	7.057	63	886963	10.556	ppbv	98
40) 1,4-Dioxane	7.269	88	387872	11.587	ppbv #	1
41) Tetrahydrofuran	5.539	42	891798	10.640	ppbv	98
42) Bromodichloromethane	7.233	83	1948420	12.156	ppbv	100
43) Methyl Methacrylate	7.459	69	931303	11.014	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	3748692	10.412	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	904938	11.584	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1184691	10.947	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	965689	11.183	ppbv	96
48) Dibromochloromethane	9.696	129	1630340	12.890	ppbv	100
49) Bromoform	12.394	173	1295969	12.658	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2355808	10.834	ppbv	98
51) 2-Hexanone	9.536	43	1868029	11.067	ppbv #	98
52) Tetrachloroethene	10.603	164	814914	10.101	ppbv	95
53) Toluene	9.208	91	2716637	11.058	ppbv	98
54) 1,2-Dibromoethane	9.995	107	1133147	12.296	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.494	131	1164809	10.536	ppbv	97
57) Chlorobenzene	11.513	112	2105048	10.180	ppbv	97
58) Ethyl Benzene	12.076	91	3649168	9.946	ppbv	97
59) m/p-Xylene	12.359	91	6134826m	19.977	ppbv	
60) o-Xylene	13.047	91	2929068	10.002	ppbv	99
61) Styrene	12.883	104	1774341	10.150	ppbv	100
62) Isopropylbenzene	14.018	105	4188010	9.917	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	1017546	10.406	ppbv	100
64) n-propylbenzene	14.905	120	1099094	9.949	ppbv	90
65) tert-Butylbenzene	16.079	119	3653329	9.889	ppbv	99
66) Benzyl Chloride	16.313	91	272245m	8.599	ppbv	
67) sec-Butylbenzene	16.622	105	5084972	10.010	ppbv	98
69) p-Isopropyltoluene	16.982	119	4158367	9.938	ppbv	99
70) n-Butylbenzene	17.873	91	4283809	10.326	ppbv	98
71) 2-Chlorotoluene	14.789	91	3222310	10.067	ppbv	98
72) 4-Ethyltoluene	15.182	105	3417339	10.381	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3011550	9.994	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3207322	10.053	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	1835437	10.225	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1758125	9.880	ppbv	97
77) 1,2-Dichlorobenzene	17.130	146	1729405	9.994	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	982645m	8.184	ppbv	
79) Naphthalene	21.371	128	2012500	10.540	ppbv	97
80) Naphthalene,2-methyl-	24.365	142	489961	9.124	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1103978	9.363	ppbv	100

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

