

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038684.D
 Acq On : 22 Mar 2022 14:39
 Operator : SY/AP
 Sample : VL0322ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0322ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:13:48 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	853411	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	2261576	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	2142255m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.400 95 1693110 10.309 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1204170	10.496	ppbv	99
3) Chlorodifluoromethane	2.986	51	880237	9.766	ppbv	99
4) Chloromethane	3.137	50	474053	9.579	ppbv	97
5) Vinyl Chloride	3.253	62	483965	9.625	ppbv	99
6) Bromomethane	3.468	94	272633	10.171	ppbv	97
7) Chloroethane	3.552	64	163867	9.844	ppbv	98
8) Dichlorotetrafluoroethane	3.185	85	1149830	10.038	ppbv	100
9) Propene	3.005	41	420233	9.657	ppbv	100
10) Heptane	8.108	43	1108173	10.653	ppbv	100
11) Trichlorofluoromethane	3.944	101	1029544	10.168	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.478	101	773167	9.920	ppbv	99
13) Ethanol	3.600	45	33784m	7.038	ppbv	
14) Bromoethene	3.735	108	356493	10.291	ppbv	97
15) Acetone	3.841	43	710565	9.649	ppbv	99
16) 1,3-Butadiene	3.324	39	425370	10.179	ppbv	99
17) tert-Butyl alcohol	4.275	59	640999	9.967	ppbv	99
18) 1,1-Dichloroethene	4.282	96	349645	9.985	ppbv	97
19) Isopropyl Alcohol	3.954	45	390872	9.574	ppbv #	98
20) Methylene Chloride	4.336	84	282914	9.121	ppbv	98
21) Allyl Chloride	4.404	41	528007	9.963	ppbv	98
22) trans-1,2-Dichloroethene	4.877	96	368895	10.157	ppbv	99
23) Vinyl Acetate	5.063	43	756828	10.614	ppbv	99
24) 1,1-Dichloroethane	5.002	63	686561	9.776	ppbv	100
25) Ethyl Acetate	5.664	43	1911452	10.311	ppbv	100
26) Hexane	5.677	57	828569	9.984	ppbv	99
27) Carbon Disulfide	4.542	76	897334	11.022	ppbv	100
28) Methyl tert-Butyl Ether	5.021	73	626806	10.139	ppbv	99
29) Chloroform	5.742	83	1339631	10.081	ppbv	99
30) Cyclohexane	7.118	84	725051	10.048	ppbv	100
31) cis-1,2-Dichloroethene	5.536	61	819998	10.508	ppbv	96
32) 1,1,1-Trichloroethane	6.500	97	1290173	10.061	ppbv	100
34) 2-Butanone	5.234	43	986957	11.026	ppbv	99
35) Carbon Tetrachloride	7.005	117	1357540	10.345	ppbv	100
36) Benzene	6.880	78	1776077	10.175	ppbv	99
37) 1,2-Dichloroethane	6.295	62	913210	10.285	ppbv	100
38) Trichloroethene	7.822	130	758656	10.376	ppbv	99
39) 1,2-Dichloropropane	7.600	63	678973	9.950	ppbv	96
40) 1,4-Dioxane	7.815	88	220412	9.302	ppbv	73
41) Tetrahydrofuran	6.037	42	681445	10.229	ppbv	99
42) Bromodichloromethane	7.777	83	1405747	10.560	ppbv	100
43) Methyl Methacrylate	8.002	69	715968	11.048	ppbv	100
44) 2,2,4-Trimethylpentane	7.854	57	2937070	10.022	ppbv	100
45) t-1,3-Dichloropropene	9.266	75	803867	12.200	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	1013676	11.378	ppbv	99
47) 1,1,2-Trichloroethane	9.458	97	729539	10.014	ppbv	98
48) Dibromochloromethane	10.288	129	1256630	11.012	ppbv	99
49) Bromoform	13.024	173	1015360	10.917	ppbv	99
50) 4-Methyl-2-Pentanone	8.725	43	1770303	10.638	ppbv	100
51) 2-Hexanone	10.118	43	1377675	11.525	ppbv #	99
52) Tetrachloroethene	11.211	164	637101	9.974	ppbv	99
53) Toluene	9.790	91	2033824	10.844	ppbv	99
54) 1,2-Dibromoethane	10.593	107	1071941	10.776	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.111	131	875132	9.853	ppbv	99
57) Chlorobenzene	12.130	112	1497034	9.689	ppbv	98
58) Ethyl Benzene	12.696	91	2616586	10.448	ppbv	99
59) m/p-Xylene	12.976	91	4426706m	20.207	ppbv	
60) o-Xylene	13.674	91	2111443	10.151	ppbv	100
61) Styrene	13.510	104	1286202	11.403	ppbv	100
62) Isopropylbenzene	14.651	105	3081490	9.854	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.658	83	1388462	8.617	ppbv	99
64) n-propylbenzene	15.545	120	825262	10.057	ppbv	99
65) tert-Butylbenzene	16.725	119	2708658	9.640	ppbv	99
66) Benzyl Chloride	16.969	91	634084	11.918	ppbv	99
67) sec-Butylbenzene	17.275	105	3887066	9.673	ppbv	100
69) p-Isopropyltoluene	17.635	119	3232668	9.857	ppbv	100
70) n-Butylbenzene	18.532	91	3409601	10.080	ppbv	100
71) 2-Chlorotoluene	15.436	91	2299249	9.906	ppbv	100
72) 4-Ethyltoluene	15.822	105	2520741	10.266	ppbv	100
73) 1,3,5-Trimethylbenzene	15.979	105	2261837	10.109	ppbv	98
74) 1,2,4-Trimethylbenzene	16.744	105	2387385	9.796	ppbv	94
75) 1,3-Dichlorobenzene	16.979	146	1465087	9.438	ppbv	100
76) 1,4-Dichlorobenzene	17.117	146	1425738	9.235	ppbv	97
77) 1,2-Dichlorobenzene	17.799	146	1449637	9.427	ppbv	99
78) Hexachloro-1,3-Butadiene	23.355	225	1276046	8.978	ppbv	100
79) Naphthalene	22.172	128	2372063	12.739	ppbv	99
80) Naphthalene,2-methyl-	24.956	142	444564	8.904	ppbv	95
81) 1,2,4-Trichlorobenzene	21.905	180	1357086	10.647	ppbv	99

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

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