

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
 Data File : VL039749.D
 Acq On : 21 Oct 2022 18:38
 Operator : SY/AP
 Sample : VL1021ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1021ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 02:38:28 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M

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

QLast Update : Sat Oct 22 02:12:34 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	898887	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2705788	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2441986m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1836461 10.594 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.900%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.739	85	913507m	6.069 ppbv	
3) Chlorodifluoromethane	2.684	51	1148417	10.028 ppbv	99
4) Chloromethane	2.825	50	707872	9.878 ppbv	94
5) Vinyl Chloride	2.935	62	589716	10.483 ppbv	93
6) Bromomethane	3.131	94	203106	9.749 ppbv	97
7) Chloroethane	3.208	64	209686	10.057 ppbv	93
8) Dichlorotetrafluoroethane	2.870	85	1310905	9.387 ppbv	97
9) Propene	2.700	41	453637	8.675 ppbv	97
10) Heptane	7.578	43	1340095	11.043 ppbv	99
11) Trichlorofluoromethane	3.574	101	1354102	9.664 ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.076	101	1059012	9.396 ppbv	100
13) Ethanol	3.253	45	33445m	9.386 ppbv	
14) Bromoethene	3.378	108	415200	9.670 ppbv	99
15) Acetone	3.481	43	1021523	9.412 ppbv	99
16) 1,3-Butadiene	2.996	39	551277	10.120 ppbv	99
17) tert-Butyl alcohol	3.886	59	980478	10.633 ppbv	99
18) 1,1-Dichloroethene	3.890	96	455570	9.419 ppbv	97
19) Isopropyl Alcohol	3.587	45	548139	10.341 ppbv #	97
20) Methylene Chloride	3.941	84	405335	9.289 ppbv	98
21) Allyl Chloride	4.009	41	734671	9.807 ppbv	97
22) trans-1,2-Dichloroethene	4.455	96	490248	9.984 ppbv	96
23) Vinyl Acetate	4.632	43	446958m	9.760 ppbv	
24) 1,1-Dichloroethane	4.571	63	990155	9.483 ppbv	98
25) Ethyl Acetate	5.211	43	2028837	9.330 ppbv	98
26) Hexane	5.214	57	817987	9.237 ppbv	99
27) Carbon Disulfide	4.131	76	1220696	11.008 ppbv	99
28) Methyl tert-Butyl Ether	4.594	73	826967	9.847 ppbv	100
29) Chloroform	5.279	83	1162371	8.188 ppbv	100
30) Cyclohexane	6.600	84	805165	10.815 ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	772429	9.727 ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	1412107	11.468 ppbv	99
34) 2-Butanone	4.793	43	1196642	9.588 ppbv	98
35) Carbon Tetrachloride	6.491	117	1527041	10.890 ppbv	95
36) Benzene	6.372	78	2036168	9.971 ppbv	98
37) 1,2-Dichloroethane	5.809	62	1105301	10.048 ppbv	100
38) Trichloroethene	7.288	130	1212425	11.069 ppbv	97
39) 1,2-Dichloropropane	7.073	63	774831	9.891 ppbv	100
40) 1,4-Dioxane	7.291	88	271760	9.057 ppbv #	94
41) Tetrahydrofuran	5.562	42	819464	10.241 ppbv	100
42) Bromodichloromethane	7.246	83	1605018	10.625 ppbv	98
43) Methyl Methacrylate	7.475	69	796515	10.843 ppbv	99
44) 2,2,4-Trimethylpentane	7.324	57	3473056	10.037 ppbv	100
45) t-1,3-Dichloropropene	8.706	75	737070	12.122 ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1023255	11.880	ppbv	98
47) 1,1,2-Trichloroethane	8.893	97	844753	9.930	ppbv	97
48) Dibromochloromethane	9.703	129	1423536	11.092	ppbv	100
49) Bromoform	12.400	173	1198790	11.603	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2158299	10.606	ppbv	99
51) 2-Hexanone	9.549	43	1690417	11.590	ppbv	99
52) Tetrachloroethene	10.606	164	768811	10.430	ppbv	98
53) Toluene	9.214	91	2426179	11.003	ppbv	100
54) 1,2-Dibromoethane	10.002	107	964484	11.274	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.503	131	1022345	10.315	ppbv	99
57) Chlorobenzene	11.520	112	1812527	10.117	ppbv	98
58) Ethyl Benzene	12.079	91	3171252	11.244	ppbv	100
59) m/p-Xylene	12.365	91	5409214m	21.699	ppbv	
60) o-Xylene	13.050	91	2574792	10.797	ppbv	99
61) Styrene	12.892	104	1540905	12.350	ppbv	99
62) Isopropylbenzene	14.021	105	3756931	10.577	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	905914	9.941	ppbv	99
64) n-propylbenzene	14.908	120	963798	10.800	ppbv	99
65) tert-Butylbenzene	16.082	119	3281662	10.546	ppbv	99
66) Benzyl Chloride	16.320	91	232277	10.683	ppbv	98
67) sec-Butylbenzene	16.629	105	4563255	10.600	ppbv	99
69) p-Isopropyltoluene	16.989	119	3732674	10.759	ppbv	100
70) n-Butylbenzene	17.879	91	3678858	11.018	ppbv	99
71) 2-Chlorotoluene	14.793	91	2751362	10.885	ppbv	99
72) 4-Ethyltoluene	15.185	105	3034146	11.400	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2647506	10.685	ppbv	97
74) 1,2,4-Trimethylbenzene	16.101	105	2870063	10.545	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	1659781	10.183	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	1637746	10.285	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	1575077	9.942	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1020768	8.918	ppbv	98
79) Naphthalene	21.368	128	1960226	12.302	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	738308	15.515	ppbv	97
81) 1,2,4-Trichlorobenzene	21.127	180	1124792	10.536	ppbv #	100

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

