

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030122\
 Data File : VL038444.D
 Acq On : 1 Mar 2022 9:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/02/2022
 Supervised By : Mahesh Dadoda 03/02/2022

Quant Time: Mar 02 03:03:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	898435	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2167562	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	2029855m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1622463 9.660 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	1169227	8.216	ppbv	98
3) Chlorodifluoromethane	2.986	51	1619644	10.209	ppbv	100
4) Chloromethane	3.137	50	575216	10.435	ppbv	99
5) Vinyl Chloride	3.256	62	581982	10.099	ppbv	97
6) Bromomethane	3.472	94	325172	10.698	ppbv	98
7) Chloroethane	3.555	64	194610	10.515	ppbv	95
8) Dichlorotetrafluoroethane	3.186	85	1383529	10.452	ppbv	98
9) Propene	3.006	41	523040	9.985	ppbv	97
10) Heptane	8.105	43	1363932	10.697	ppbv	100
11) Trichlorofluoromethane	3.944	101	1437230	10.549	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.478	101	1056128	10.574	ppbv	100
13) Ethanol	3.613	45	40544m	7.756	ppbv	
14) Bromoethene	3.735	108	425240	10.686	ppbv	98
15) Acetone	3.845	43	684726	8.962	ppbv	99
16) 1,3-Butadiene	3.324	39	555651	10.888	ppbv	96
17) tert-Butyl alcohol	4.279	59	890394	11.681	ppbv	100
18) 1,1-Dichloroethene	4.282	96	461404	10.522	ppbv	99
19) Isopropyl Alcohol	3.960	45	442407	9.999	ppbv #	95
20) Methylene Chloride	4.337	84	372580	9.842	ppbv	97
21) Allyl Chloride	4.404	41	668851	10.365	ppbv	98
22) trans-1,2-Dichloroethene	4.874	96	490297	11.081	ppbv	92
23) Vinyl Acetate	5.060	43	1087339	10.739	ppbv	99
24) 1,1-Dichloroethane	5.002	63	979507	10.760	ppbv	99
25) Ethyl Acetate	5.661	43	2076384	10.115	ppbv	99
26) Hexane	5.674	57	945871	10.176	ppbv	99
27) Carbon Disulfide	4.542	76	1176644	11.380	ppbv	99
28) Methyl tert-Butyl Ether	5.022	73	997596	10.537	ppbv	100
29) Chloroform	5.739	83	1574346	10.377	ppbv	96
30) Cyclohexane	7.115	84	824136	10.841	ppbv	96
31) cis-1,2-Dichloroethene	5.536	61	923315	10.252	ppbv	97
32) 1,1,1-Trichloroethane	6.497	97	1568210	10.278	ppbv	100
34) 2-Butanone	5.234	43	754858	11.073	ppbv	98
35) Carbon Tetrachloride	7.002	117	1633869	10.720	ppbv	99
36) Benzene	6.877	78	1999912	10.481	ppbv	98
37) 1,2-Dichloroethane	6.292	62	1191671	10.807	ppbv	100
38) Trichloroethene	7.819	130	712087	10.245	ppbv	97
39) 1,2-Dichloropropane	7.597	63	794874	10.458	ppbv	96
40) 1,4-Dioxane	7.828	88	129082m	7.160	ppbv	
41) Tetrahydrofuran	6.038	42	489427	10.626	ppbv	99
42) Bromodichloromethane	7.774	83	1688172	10.602	ppbv	97
43) Methyl Methacrylate	7.996	69	747019	11.261	ppbv	98
44) 2,2,4-Trimethylpentane	7.851	57	3424117	10.440	ppbv	99
45) t-1,3-Dichloropropene	9.259	75	601484	11.346	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	776999	11.183	ppbv	96
47) 1,1,2-Trichloroethane	9.455	97	776381	10.267	ppbv	98
48) Dibromochloromethane	10.285	129	1298070	10.499	ppbv	100
49) Bromoform	13.018	173	862809	9.454	ppbv	99
50) 4-Methyl-2-Pentanone	8.726	43	1375297	11.411	ppbv	100
51) 2-Hexanone	10.118	43	583411	10.812	ppbv #	98
52) Tetrachloroethene	11.205	164	602802	9.516	ppbv	97
53) Toluene	9.787	91	2176756	10.506	ppbv	100
54) 1,2-Dibromoethane	10.587	107	1098192	10.317	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.105	131	841970	9.952	ppbv	97
57) Chlorobenzene	12.127	112	1451980	9.271	ppbv	98
58) Ethyl Benzene	12.687	91	2752231	9.915	ppbv	98
59) m/p-Xylene	12.973	91	4706062m	19.741	ppbv	
60) o-Xylene	13.667	91	2157251	9.573	ppbv	99
61) Styrene	13.507	104	1034093	9.949	ppbv	98
62) Isopropylbenzene	14.645	105	2822662	9.333	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.655	83	1440490	7.868	ppbv	99
64) n-propylbenzene	15.539	120	660853	8.825	ppbv	81
65) tert-Butylbenzene	16.722	119	2262714	8.637	ppbv	99
66) Benzyl Chloride	16.966	91	99910	7.058	ppbv	96
67) sec-Butylbenzene	17.272	105	3124510	8.418	ppbv	100
69) p-Isopropyltoluene	17.632	119	2533437	8.689	ppbv	99
70) n-Butylbenzene	18.529	91	2695052	8.933	ppbv	99
71) 2-Chlorotoluene	15.433	91	1978237	8.506	ppbv	98
72) 4-Ethyltoluene	15.815	105	2331674	9.391	ppbv	99
73) 1,3,5-Trimethylbenzene	15.973	105	1979813	8.780	ppbv	99
74) 1,2,4-Trimethylbenzene	16.738	105	2070561	8.698	ppbv	96
75) 1,3-Dichlorobenzene	16.973	146	1094466	8.209	ppbv	100
76) 1,4-Dichlorobenzene	17.118	146	1050543	7.990	ppbv	100
77) 1,2-Dichlorobenzene	17.793	146	1033729	8.054	ppbv	100
78) Hexachloro-1,3-Butadiene	23.355	225	849155	8.675	ppbv	99
79) Naphthalene	22.172	128	1634376	12.671	ppbv	97
80) Naphthalene,2-methyl-	24.953	142	261420	10.371	ppbv	98
81) 1,2,4-Trichlorobenzene	21.899	180	868134	11.132	ppbv	99

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

