

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL083122\
 Data File : VL039612.D
 Acq On : 31 Aug 2022 17:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/01/2022
 Supervised By :Mahesh Dadoda 09/02/2022

Quant Time: Aug 31 23:46:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	994821	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.677	114	2601095	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2547728	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 1878158 9.772 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.758	85	1913899	14.458	ppbv	99
3) Chlorodifluoromethane	2.703	51	1180312	9.958	ppbv	96
4) Chloromethane	2.841	50	721095	10.101	ppbv	99
5) Vinyl Chloride	2.951	62	625871	10.862	ppbv	97
6) Bromomethane	3.150	94	245046	10.028	ppbv	97
7) Chloroethane	3.227	64	226073	10.472	ppbv	95
8) Dichlorotetrafluoroethane	2.886	85	1473756	10.406	ppbv	98
9) Propene	2.722	41	552165	10.181	ppbv	98
10) Heptane	7.597	43	1373824	10.938	ppbv	99
11) Trichlorofluoromethane	3.591	101	1467573	10.101	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	1107806	10.309	ppbv	97
13) Ethanol	3.266	45	31576	8.101	ppbv	85
14) Bromoethene	3.394	108	452115	10.297	ppbv	96
15) Acetone	3.494	43	1118900	10.041	ppbv	99
16) 1,3-Butadiene	3.012	39	609029	10.474	ppbv	97
17) tert-Butyl alcohol	3.902	59	978720	10.291	ppbv	100
18) 1,1-Dichloroethene	3.909	96	504168	10.416	ppbv	97
19) Isopropyl Alcohol	3.600	45	552733	10.196	ppbv	98
20) Methylene Chloride	3.960	84	397215	8.774	ppbv	95
21) Allyl Chloride	4.021	41	796274	10.984	ppbv	97
22) trans-1,2-Dichloroethene	4.472	96	493992	10.261	ppbv	95
23) Vinyl Acetate	4.652	43	538609	10.165	ppbv	99
24) 1,1-Dichloroethane	4.591	63	1041817	10.622	ppbv	99
25) Ethyl Acetate	5.227	43	2452891	10.287	ppbv	99
26) Hexane	5.237	57	1014875	10.428	ppbv	97
27) Carbon Disulfide	4.150	76	1172502	11.278	ppbv	97
28) Methyl tert-Butyl Ether	4.616	73	846428	10.082	ppbv	98
29) Chloroform	5.298	83	1543286	10.139	ppbv	97
30) Cyclohexane	6.623	84	863207	10.712	ppbv	97
31) cis-1,2-Dichloroethene	5.102	61	999031	10.598	ppbv	96
32) 1,1,1-Trichloroethane	6.028	97	1500789	11.208	ppbv	98
34) 2-Butanone	4.812	43	1416172	10.952	ppbv	99
35) Carbon Tetrachloride	6.513	117	1583960	11.265	ppbv	100
36) Benzene	6.394	78	2126096	10.723	ppbv	96
37) 1,2-Dichloroethane	5.832	62	1156494	10.589	ppbv	99
38) Trichloroethene	7.314	130	1175649	11.066	ppbv	99
39) 1,2-Dichloropropane	7.095	63	812896	10.905	ppbv	96
40) 1,4-Dioxane	7.308	88	292528	10.023	ppbv #	1
41) Tetrahydrofuran	5.584	42	848155	10.980	ppbv	98
42) Bromodichloromethane	7.269	83	1653482	11.064	ppbv	99
43) Methyl Methacrylate	7.497	69	841349	11.767	ppbv	100
44) 2,2,4-Trimethylpentane	7.349	57	3577104	10.702	ppbv	98
45) t-1,3-Dichloropropene	8.732	75	808434	12.983	ppbv	99

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

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	1086163	12.594	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	880648	10.344	ppbv	97
48) Dibromochloromethane	9.729	129	1478477	11.781	ppbv	100
49) Bromoform	12.426	173	1239184	11.921	ppbv	98
50) 4-Methyl-2-Pentanone	8.201	43	2254985	11.193	ppbv	98
51) 2-Hexanone	9.571	43	1727920	11.653	ppbv #	98
52) Tetrachloroethene	10.632	164	820149	10.933	ppbv	96
53) Toluene	9.243	91	2523189	11.371	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1069055	11.227	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.529	131	1069729	10.334	ppbv	97
57) Chlorobenzene	11.548	112	1936363	10.188	ppbv #	96
58) Ethyl Benzene	12.108	91	3333467	11.388	ppbv	100
59) m/p-Xylene	12.391	91	5614794m	21.381	ppbv	
60) o-Xylene	13.079	91	2691918	10.679	ppbv	99
61) Styrene	12.918	104	1623290	12.091	ppbv	99
62) Isopropylbenzene	14.050	105	3950305	10.363	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.066	83	1105817	9.263	ppbv	99
64) n-propylbenzene	14.937	120	1036963	10.467	ppbv	99
65) tert-Butylbenzene	16.111	119	3467329	10.233	ppbv	100
66) Benzyl Chloride	16.343	91	318853	11.585	ppbv	99
67) sec-Butylbenzene	16.654	105	4801455	10.005	ppbv	99
69) p-Isopropyltoluene	17.015	119	4046758	10.158	ppbv	99
70) n-Butylbenzene	17.905	91	4008848	10.114	ppbv	99
71) 2-Chlorotoluene	14.818	91	2886752	10.456	ppbv	100
72) 4-Ethyltoluene	15.211	105	3195739	10.842	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2850076	10.581	ppbv	96
74) 1,2,4-Trimethylbenzene	16.127	105	3050472	10.164	ppbv	99
75) 1,3-Dichlorobenzene	16.349	146	1824260	9.997	ppbv	100
76) 1,4-Dichlorobenzene	16.490	146	1768373	9.727	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1752376	9.807	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1440598	10.123	ppbv	99
79) Naphthalene	21.400	128	2957268	13.836	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	1170802	13.497	ppbv	98
81) 1,2,4-Trichlorobenzene	21.159	180	1660837m	11.636	ppbv	

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

