

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039536.D
 Acq On : 17 Aug 2022 3:37
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/18/2022
 Supervised By : Mahesh Dadoda 08/19/2022

Quant Time: Aug 17 04:40:39 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 2022

QLast Update : Wed Aug 17 04:35:27 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.207	49	1098120	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2928956	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2936002m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.776 95 2221520 10.190 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	1158805	7.482	ppbv	100
3) Chlorodifluoromethane	2.693	51	1161369	8.417	ppbv	100
4) Chloromethane	2.834	50	704358	9.176	ppbv	100
5) Vinyl Chloride	2.940	62	605073	8.092	ppbv	100
6) Bromomethane	3.137	94	233486	7.610	ppbv	100
7) Chloroethane	3.217	64	212885	8.063	ppbv	100
8) Dichlorotetrafluoroethane	2.876	85	1433199	8.405	ppbv	100
9) Propene	2.715	41	523082	8.371	ppbv	100
10) Heptane	7.587	43	1349406	9.255	ppbv	100
11) Trichlorofluoromethane	3.580	101	1441634	8.304	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.082	101	1044234	8.120	ppbv	100
13) Ethanol	3.259	45	31388m	8.632	ppbv	
14) Bromoethene	3.384	108	458914	8.451	ppbv	100
15) Acetone	3.484	43	1073399	8.393	ppbv	100
16) 1,3-Butadiene	3.005	39	594006	8.899	ppbv	100
17) tert-Butyl alcohol	3.892	59	971499	9.040	ppbv	100
18) 1,1-Dichloroethene	3.899	96	479936	8.233	ppbv	100
19) Isopropyl Alcohol	3.590	45	567586	8.383	ppbv #	100
20) Methylene Chloride	3.947	84	400795	7.872	ppbv	100
21) Allyl Chloride	4.014	41	761864	8.590	ppbv	100
22) trans-1,2-Dichloroethene	4.458	96	476597	8.492	ppbv	100
23) Vinyl Acetate	4.638	43	563384m	6.919	ppbv	
24) 1,1-Dichloroethane	4.580	63	1003377	8.309	ppbv	100
25) Ethyl Acetate	5.217	43	2404165	9.099	ppbv	100
26) Hexane	5.223	57	974412	9.245	ppbv	100
27) Carbon Disulfide	4.140	76	1157546	9.110	ppbv	100
28) Methyl tert-Butyl Ether	4.603	73	810268	7.277	ppbv	100
29) Chloroform	5.284	83	1526345	8.342	ppbv	100
30) Cyclohexane	6.606	84	812106	8.458	ppbv #	100
31) cis-1,2-Dichloroethene	5.091	61	971084	8.680	ppbv	100
32) 1,1,1-Trichloroethane	6.014	97	1473142	8.150	ppbv	100
34) 2-Butanone	4.802	43	1357368	9.324	ppbv	100
35) Carbon Tetrachloride	6.500	117	1585899	8.889	ppbv	100
36) Benzene	6.378	78	2092782	9.278	ppbv	100
37) 1,2-Dichloroethane	5.815	62	1153651	8.753	ppbv	100
38) Trichloroethene	7.300	130	1172709	9.534	ppbv	100
39) 1,2-Dichloropropane	7.082	63	781792	9.286	ppbv	100
40) 1,4-Dioxane	7.294	88	309364	9.283	ppbv	100
41) Tetrahydrofuran	5.571	42	830047	9.753	ppbv	100
42) Bromodichloromethane	7.255	83	1645436	9.247	ppbv	100
43) Methyl Methacrylate	7.484	69	832907	9.763	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	3505145	9.178	ppbv	100
45) t-1,3-Dichloropropene	8.718	75	801818	10.773	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.149	75	1099678	10.581	ppbv	100
47) 1,1,2-Trichloroethane	8.905	97	878050	9.300	ppbv	100
48) Dibromochloromethane	9.712	129	1495793	10.037	ppbv	100
49) Bromoform	12.409	173	1273373	10.574	ppbv #	100
50) 4-Methyl-2-Pentanone	8.188	43	2260293	10.140	ppbv	100
51) 2-Hexanone	9.558	43	1765005	10.503	ppbv	100
52) Tetrachloroethene	10.622	164	792029	8.753	ppbv	100
53) Toluene	9.226	91	2498456	9.640	ppbv	100
54) 1,2-Dibromoethane	10.014	107	1073803	9.273	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.512	131	1096470	8.630	ppbv	98
57) Chlorobenzene	11.532	112	1920477	8.584	ppbv	100
58) Ethyl Benzene	12.094	91	3317590	8.941	ppbv	100
59) m/p-Xylene	12.374	91	5648298m	17.296	ppbv	
60) o-Xylene	13.062	91	2736043	8.829	ppbv	100
61) Styrene	12.901	104	1662448	9.918	ppbv	100
62) Isopropylbenzene	14.036	105	3986764	8.458	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	1125688	6.972	ppbv	100
64) n-propylbenzene	14.917	120	1044449	8.771	ppbv	99
65) tert-Butylbenzene	16.094	119	3553138	8.195	ppbv	100
66) Benzyl Chloride	16.335	91	349300	8.890	ppbv #	90
67) sec-Butylbenzene	16.638	105	5001074	8.534	ppbv	100
69) p-Isopropyltoluene	17.001	119	4217814	8.519	ppbv	100
70) n-Butylbenzene	17.892	91	4222815	8.764	ppbv	100
71) 2-Chlorotoluene	14.805	91	2978767	8.817	ppbv	99
72) 4-Ethyltoluene	15.197	105	3288038	9.002	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.351	105	2937128	8.794	ppbv	100
74) 1,2,4-Trimethylbenzene	16.110	105	3138370	8.523	ppbv	100
75) 1,3-Dichlorobenzene	16.329	146	1898543	8.645	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1870985	8.495	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	1829388	8.423	ppbv	100
78) Hexachloro-1,3-Butadiene	22.637	225	1332128	7.570	ppbv #	100
79) Naphthalene	21.380	128	2750843	10.760	ppbv	100
80) Naphthalene,2-methyl-	24.377	142	1235052	13.515	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.139	180	1532036	9.236	ppbv #	100

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

