

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039668.D
 Acq On : 22 Sep 2022 15:34
 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 09/27/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 23 06:34:42 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

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

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1033574	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2670569	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.497	117	2659217m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 1994919 10.049 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	1114863	9.304	ppbv	98
3) Chlorodifluoromethane	2.709	51	1148064	9.360	ppbv	97
4) Chloromethane	2.851	50	705193	9.528	ppbv	97
5) Vinyl Chloride	2.957	62	614708	9.964	ppbv	97
6) Bromomethane	3.156	94	226165	9.940	ppbv	99
7) Chloroethane	3.234	64	217989	9.662	ppbv	97
8) Dichlorotetrafluoroethane	2.893	85	1355221	9.429	ppbv	97
9) Propene	2.732	41	526562	9.400	ppbv	98
10) Heptane	7.613	43	1315737	10.065	ppbv	99
11) Trichlorofluoromethane	3.603	101	1448931	9.764	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.105	101	1071746	9.562	ppbv	98
13) Ethanol	3.279	45	29935	7.013	ppbv	86
14) Bromoethene	3.404	108	427119	9.546	ppbv	93
15) Acetone	3.504	43	1077170	9.366	ppbv	99
16) 1,3-Butadiene	3.021	39	588496	10.087	ppbv	99
17) tert-Butyl alcohol	3.915	59	1103847	10.695	ppbv	100
18) 1,1-Dichloroethene	3.915	96	478372	9.701	ppbv	98
19) Isopropyl Alcohol	3.610	45	582724	9.940	ppbv	100
20) Methylene Chloride	3.970	84	407689	7.667	ppbv	94
21) Allyl Chloride	4.034	41	757675	9.675	ppbv	98
22) trans-1,2-Dichloroethene	4.481	96	481445	9.869	ppbv	99
23) Vinyl Acetate	4.661	43	489918	9.423	ppbv #	97
24) 1,1-Dichloroethane	4.600	63	1011858	9.773	ppbv	99
25) Ethyl Acetate	5.240	43	2374479	9.468	ppbv	99
26) Hexane	5.246	57	986714	9.271	ppbv	97
27) Carbon Disulfide	4.163	76	1179326	10.544	ppbv	100
28) Methyl tert-Butyl Ether	4.623	73	887907	9.931	ppbv	98
29) Chloroform	5.311	83	1501959	9.776	ppbv	99
30) Cyclohexane	6.635	84	809118	9.818	ppbv	93
31) cis-1,2-Dichloroethene	5.115	61	950390	9.873	ppbv	95
32) 1,1,1-Trichloroethane	6.037	97	1483504	10.666	ppbv	100
34) 2-Butanone	4.825	43	1346863	10.268	ppbv	98
35) Carbon Tetrachloride	6.526	117	1556746	10.981	ppbv	98
36) Benzene	6.404	78	2038293	9.983	ppbv	97
37) 1,2-Dichloroethane	5.841	62	1125850	10.131	ppbv	99
38) Trichloroethene	7.327	130	1187224	10.759	ppbv	99
39) 1,2-Dichloropropane	7.108	63	786189	9.972	ppbv	96
40) 1,4-Dioxane	7.317	88	299442	9.302	ppbv #	1
41) Tetrahydrofuran	5.594	42	813203	10.105	ppbv	97
42) Bromodichloromethane	7.282	83	1613289	10.438	ppbv	99
43) Methyl Methacrylate	7.510	69	803652	10.798	ppbv	97
44) 2,2,4-Trimethylpentane	7.362	57	3484146	9.901	ppbv	99
45) t-1,3-Dichloropropene	8.741	75	755882	12.018	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.175	75	1039566	11.611	ppbv	99
47) 1,1,2-Trichloroethane	8.934	97	832462	9.660	ppbv	98
48) Dibromochloromethane	9.741	129	1370110	10.558	ppbv	99
49) Bromoform	12.439	173	1103704	10.283	ppbv	99
50) 4-Methyl-2-Pentanone	8.217	43	2193726	10.643	ppbv	97
51) 2-Hexanone	9.584	43	1691076	11.083	ppbv #	99
52) Tetrachloroethene	10.651	164	759456	9.750	ppbv	93
53) Toluene	9.256	91	2389031	10.521	ppbv	99
54) 1,2-Dibromoethane	10.040	107	961853	10.433	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.542	131	1013397	9.430	ppbv	95
57) Chlorobenzene	11.558	112	1793831	9.173	ppbv	96
58) Ethyl Benzene	12.124	91	3104488	10.125	ppbv	99
59) m/p-Xylene	12.404	91	5232930m	19.178	ppbv	
60) o-Xylene	13.092	91	2508590	9.627	ppbv	100
61) Styrene	12.931	104	1468162	10.462	ppbv	100
62) Isopropylbenzene	14.063	105	3615207	9.220	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.082	83	949055	9.131	ppbv	98
64) n-propylbenzene	14.947	120	935096	9.313	ppbv	96
65) tert-Butylbenzene	16.124	119	3182031	9.186	ppbv	100
66) Benzyl Chloride	16.358	91	247134	8.960	ppbv	99
67) sec-Butylbenzene	16.670	105	4424312	9.106	ppbv	99
69) p-Isopropyltoluene	17.027	119	3694004	9.252	ppbv	99
70) n-Butylbenzene	17.918	91	3683047	9.410	ppbv	99
71) 2-Chlorotoluene	14.834	91	2628530	9.285	ppbv	99
72) 4-Ethyltoluene	15.227	105	2832072	9.520	ppbv	100
73) 1,3,5-Trimethylbenzene	15.384	105	2605325	9.571	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	2775718	9.097	ppbv	97
75) 1,3-Dichlorobenzene	16.365	146	1649257	9.059	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	1615890	8.873	ppbv	99
77) 1,2-Dichlorobenzene	17.172	146	1600093	9.013	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1284936	9.472	ppbv	99
79) Naphthalene	21.413	128	2679910	13.309	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	971198	12.828	ppbv	96
81) 1,2,4-Trichlorobenzene	21.175	180	1500232	11.343	ppbv	100

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

