

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL040003.D
 Acq On : 13 Dec 2022 8:50
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 14:17:55 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	788282	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.632	114	2453598	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.446	117	2425084	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1811684 9.781 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1024450	9.074	ppbv	99
3) Chlorodifluoromethane	2.652	51	1088159	10.003	ppbv	100
4) Chloromethane	2.793	50	618217	8.894	ppbv	95
5) Vinyl Chloride	2.899	62	576504	10.614	ppbv	97
6) Bromomethane	3.096	94	246586	13.309	ppbv	99
7) Chloroethane	3.176	64	215805	10.052	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	1363952	10.581	ppbv	99
9) Propene	2.674	41	475026	9.271	ppbv	98
10) Heptane	7.558	43	1218471	9.855	ppbv	98
11) Trichlorofluoromethane	3.542	101	1416584	10.287	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1102962	10.583	ppbv	97
13) Ethanol	3.218	45	32643m	8.344	ppbv	
14) Bromoethene	3.343	108	416681	10.252	ppbv	97
15) Acetone	3.446	43	1042861	9.974	ppbv	100
16) 1,3-Butadiene	2.964	39	534543	10.258	ppbv	98
17) tert-Butyl alcohol	3.854	59	1247427	10.377	ppbv	100
18) 1,1-Dichloroethene	3.858	96	480612	10.109	ppbv	97
19) Isopropyl Alcohol	3.552	45	536921	9.484	ppbv #	32
20) Methylene Chloride	3.912	84	414054	8.174	ppbv	97
21) Allyl Chloride	3.973	41	702888	9.691	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	488877	10.112	ppbv	97
23) Vinyl Acetate	4.604	43	183478	4.271	ppbv #	98
24) 1,1-Dichloroethane	4.539	63	1068057	10.312	ppbv	99
25) Ethyl Acetate	5.179	43	2271589	11.833	ppbv	99
26) Hexane	5.189	57	851746	10.157	ppbv	87
27) Carbon Disulfide	4.102	76	1069946	10.106	ppbv	99
28) Methyl tert-Butyl Ether	4.562	73	1044168	9.945	ppbv	100
29) Chloroform	5.253	83	1206546	10.826	ppbv	98
30) Cyclohexane	6.578	84	832402	10.115	ppbv	97
31) cis-1,2-Dichloroethene	5.057	61	805979	10.403	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	1418241	10.190	ppbv	98
34) 2-Butanone	4.764	43	1191510	10.149	ppbv	98
35) Carbon Tetrachloride	6.472	117	1425847	10.233	ppbv	98
36) Benzene	6.346	78	2073831	9.944	ppbv	96
37) 1,2-Dichloroethane	5.784	62	1098011	9.607	ppbv	99
38) Trichloroethene	7.272	130	951279	8.160	ppbv	99
39) 1,2-Dichloropropane	7.054	63	789902	9.721	ppbv	98
40) 1,4-Dioxane	7.266	88	328692	10.154	ppbv #	1
41) Tetrahydrofuran	5.533	42	798360	9.850	ppbv	96
42) Bromodichloromethane	7.227	83	1589018	10.252	ppbv	100
43) Methyl Methacrylate	7.452	69	873186	10.679	ppbv	97
44) 2,2,4-Trimethylpentane	7.304	57	3373783	9.690	ppbv	98
45) t-1,3-Dichloropropene	8.690	75	731321	9.681	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1017197	9.720	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	846216	10.133	ppbv	97
48) Dibromochloromethane	9.690	129	1340304	10.958	ppbv	100
49) Bromoform	12.388	173	1118669	11.299	ppbv	100
50) 4-Methyl-2-Pentanone	8.160	43	2088119	9.931	ppbv	100
51) 2-Hexanone	9.529	43	1634471	10.013	ppbv #	100
52) Tetrachloroethene	10.597	164	730773	9.367	ppbv	98
53) Toluene	9.201	91	2372083	9.984	ppbv	99
54) 1,2-Dibromoethane	9.986	107	1082896	12.151	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	1036260	10.454	ppbv	95
57) Chlorobenzene	11.507	112	1785858	9.631	ppbv	98
58) Ethyl Benzene	12.069	91	3153385	9.585	ppbv	97
59) m/p-Xylene	12.352	91	5243341m	19.042	ppbv	
60) o-Xylene	13.040	91	2496646	9.507	ppbv	100
61) Styrene	12.880	104	1538999	9.818	ppbv	98
62) Isopropylbenzene	14.011	105	3843837	10.151	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.031	83	1370700	15.632	ppbv	100
64) n-propylbenzene	14.902	120	1017142	10.268	ppbv	94
65) tert-Butylbenzene	16.076	119	3342361	10.089	ppbv	98
66) Benzyl Chloride	16.310	91	193302m	6.809	ppbv	
67) sec-Butylbenzene	16.619	105	4707257	10.335	ppbv	99
69) p-Isopropyltoluene	16.979	119	3877328	10.334	ppbv	97
70) n-Butylbenzene	17.870	91	3904025	10.495	ppbv	99
71) 2-Chlorotoluene	14.783	91	2874445	10.015	ppbv	100
72) 4-Ethyltoluene	15.179	105	2946124	9.981	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2656785	9.832	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	2803008	9.798	ppbv	97
75) 1,3-Dichlorobenzene	16.314	146	1602517	9.957	ppbv	100
76) 1,4-Dichlorobenzene	16.458	146	1550725	9.719	ppbv	98
77) 1,2-Dichlorobenzene	17.124	146	1549558	9.986	ppbv	100
78) Hexachloro-1,3-Butadiene	22.616	225	1063810	9.880	ppbv	100
79) Naphthalene	21.365	128	2211831	12.919	ppbv	99
80) Naphthalene,2-methyl-	24.362	142	619371	12.862	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	1151735	10.893	ppbv	100

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

