

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041671.D
 Acq On : 14 Oct 2024 17:00
 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 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

Quant Time: Oct 15 02:44:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1030833	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.664	114	2821004	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.481	117	2843970	10.000	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2092864 9.997 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1087301	7.304	ppbv	99
3) Chlorodifluoromethane	2.668	51	1242237	9.935	ppbv	99
4) Chloromethane	2.809	50	678440	9.865	ppbv	99
5) Vinyl Chloride	2.915	62	632214	10.618	ppbv	100
6) Bromomethane	3.118	94	252470	8.522	ppbv	95
7) Chloroethane	3.195	64	238744	10.309	ppbv	97
8) Dichlorotetrafluoroethane	2.851	85	1588739	10.174	ppbv	100
9) Propene	2.687	41	556698	10.556	ppbv	100
10) Heptane	7.590	43	1431478	11.593	ppbv	100
11) Trichlorofluoromethane	3.562	101	1593058	10.056	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1164239	10.147	ppbv	97
13) Ethanol	3.247	45	19612m	4.946	ppbv	
14) Bromoethene	3.366	108	459809	10.569	ppbv	100
15) Acetone	3.465	43	1169136	9.034	ppbv	99
16) 1,3-Butadiene	2.980	39	670208	10.647	ppbv	95
17) tert-Butyl alcohol	3.877	59	1126575	9.898	ppbv	99
18) 1,1-Dichloroethene	3.880	96	506597	10.430	ppbv	98
19) Isopropyl Alcohol	3.575	45	602985	9.102	ppbv #	91
20) Methylene Chloride	3.931	84	421697	8.674	ppbv	98
21) Allyl Chloride	3.996	41	791658	10.554	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	506927	10.462	ppbv	97
23) Vinyl Acetate	4.629	43	811189	11.396	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1118454	10.468	ppbv	99
25) Ethyl Acetate	5.211	43	2515151	10.826	ppbv	99
26) Hexane	5.218	57	1034872	10.681	ppbv	99
27) Carbon Disulfide	4.124	76	1225883	11.903	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	583195	9.763	ppbv	98
29) Chloroform	5.282	83	1640655	10.348	ppbv	97
30) Cyclohexane	6.613	84	876552	11.736	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	974038	10.589	ppbv	98
32) 1,1,1-Trichloroethane	6.012	97	1606151	11.373	ppbv	99
34) 2-Butanone	4.790	43	1391757	10.347	ppbv	100
35) Carbon Tetrachloride	6.500	117	1675080	12.102	ppbv	98
36) Benzene	6.382	78	2176601	11.110	ppbv	99
37) 1,2-Dichloroethane	5.816	62	1214849	10.687	ppbv	99
38) Trichloroethene	7.304	130	1111773	11.020	ppbv	97
39) 1,2-Dichloropropane	7.086	63	861342	10.807	ppbv	99
40) 1,4-Dioxane	7.298	88	286277	9.528	ppbv #	87
41) Tetrahydrofuran	5.565	42	866361	11.704	ppbv	99
42) Bromodichloromethane	7.262	83	1766418	11.169	ppbv	99
43) Methyl Methacrylate	7.484	69	850421	12.130	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	3786476	11.171	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	644231	11.397	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	935248	11.294	ppbv	99
47) 1,1,2-Trichloroethane	8.912	97	913662	10.797	ppbv	98
48) Dibromochloromethane	9.725	129	1503187	11.724	ppbv	100
49) Bromoform	12.423	173	1309407	11.897	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	2480107	11.939	ppbv	100
51) 2-Hexanone	9.565	43	1953448	12.432	ppbv	99
52) Tetrachloroethene	10.629	164	803684	11.329	ppbv	97
53) Toluene	9.237	91	2538899	12.208	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1200182	11.517	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1140772	10.274	ppbv	97
57) Chlorobenzene	11.542	112	2009393	9.800	ppbv	98
58) Ethyl Benzene	12.105	91	3455253	11.349	ppbv	99
59) m/p-Xylene	12.388	91	5940813m	21.925	ppbv	
60) o-Xylene	13.073	91	2857635	11.000	ppbv	100
61) Styrene	12.912	104	1345587	12.398	ppbv	100
62) Isopropylbenzene	14.044	105	4157433	10.563	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	1498662	11.283	ppbv	99
64) n-propylbenzene	14.928	120	1108448	10.905	ppbv	99
65) tert-Butylbenzene	16.105	119	3738096	10.361	ppbv	100
66) Benzyl Chloride	16.343	91	187620	10.003	ppbv	98
67) sec-Butylbenzene	16.651	105	5239472	10.468	ppbv	100
69) p-Isopropyltoluene	17.008	119	4350748	10.739	ppbv	100
70) n-Butylbenzene	17.902	91	4470109	10.532	ppbv	100
71) 2-Chlorotoluene	14.815	91	3080924	10.639	ppbv	99
72) 4-Ethyltoluene	15.208	105	3418852	11.259	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2921051	10.894	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	3249083	10.352	ppbv	99
75) 1,3-Dichlorobenzene	16.349	146	1933042	9.827	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1902347	10.093	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	1914867	9.861	ppbv	98
78) Hexachloro-1,3-Butadiene	22.651	225	1314239	8.204	ppbv	99
79) Naphthalene	21.403	128	2518036	10.901	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	797078	4.925	ppbv	99
81) 1,2,4-Trichlorobenzene	21.159	180	1329574	9.054	ppbv	99

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

