

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041321.D
 Acq On : 5 Jun 2024 9:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2024
 Supervised By :Mahesh Dadoda 06/06/2024

Quant Time: Jun 06 04:24:25 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	966248	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2498711	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2387386m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1890257 10.255 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	1410726	9.143	ppbv	100
3) Chlorodifluoromethane	2.710	51	1403895	9.194	ppbv	100
4) Chloromethane	2.848	50	536100	9.328	ppbv	100
5) Vinyl Chloride	2.951	62	565162	9.761	ppbv	95
6) Bromomethane	3.150	94	192417	9.347	ppbv	99
7) Chloroethane	3.227	64	193118	9.688	ppbv	96
8) Dichlorotetrafluoroethane	2.890	85	1319972	9.302	ppbv	99
9) Propene	2.729	41	503567	9.259	ppbv	99
10) Heptane	7.590	43	1241121	9.628	ppbv	100
11) Trichlorofluoromethane	3.587	101	1338029	9.433	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.086	101	953173	9.514	ppbv	100
13) Ethanol	3.269	45	134587m	9.512	ppbv	
14) Bromoethene	3.395	108	392881	9.689	ppbv	99
15) Acetone	3.494	43	1020198	9.248	ppbv	99
16) 1,3-Butadiene	3.015	39	556190	10.029	ppbv	100
17) tert-Butyl alcohol	3.903	59	1004853	9.893	ppbv	99
18) 1,1-Dichloroethene	3.906	96	427819	10.010	ppbv	91
19) Isopropyl Alcohol	3.600	45	737099	10.635	ppbv	99
20) Methylene Chloride	3.957	84	359580	8.968	ppbv	93
21) Allyl Chloride	4.021	41	689496	9.865	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	430394	9.663	ppbv	96
23) Vinyl Acetate	4.645	43	1190130	10.548	ppbv	100
24) 1,1-Dichloroethane	4.584	63	947338	9.544	ppbv	99
25) Ethyl Acetate	5.221	43	2053637	9.410	ppbv	100
26) Hexane	5.230	57	896703	9.136	ppbv	99
27) Carbon Disulfide	4.147	76	1121745	10.318	ppbv	98
28) Methyl tert-Butyl Ether	4.607	73	692775	9.524	ppbv	100
29) Chloroform	5.292	83	1393550	9.254	ppbv	100
30) Cyclohexane	6.616	84	750935	9.439	ppbv	100
31) cis-1,2-Dichloroethene	5.095	61	901903	9.724	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1383132	9.697	ppbv	99
34) 2-Butanone	4.803	43	1134434	9.477	ppbv	96
35) Carbon Tetrachloride	6.507	117	1424577	10.031	ppbv	97
36) Benzene	6.385	78	1897917	9.800	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1094912	9.697	ppbv	100
38) Trichloroethene	7.304	130	739155	9.417	ppbv	99
39) 1,2-Dichloropropane	7.086	63	740806	9.606	ppbv	97
40) 1,4-Dioxane	7.295	88	294809	10.438	ppbv	87
41) Tetrahydrofuran	5.571	42	813248	10.441	ppbv	98
42) Bromodichloromethane	7.263	83	1575141	9.713	ppbv	100
43) Methyl Methacrylate	7.481	69	777636	10.538	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	3223439	9.677	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	564737	11.341	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	685986	10.702	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	776394	9.634	ppbv	97
48) Dibromochloromethane	9.716	129	1349922	10.164	ppbv	99
49) Bromoform	12.410	173	1115003	10.418	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	2026237	10.226	ppbv	100
51) 2-Hexanone	9.555	43	1490413	10.582	ppbv	99
52) Tetrachloroethene	10.619	164	679660	9.623	ppbv	98
53) Toluene	9.227	91	2236688	10.040	ppbv	98
54) 1,2-Dibromoethane	10.015	107	1096385	10.435	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.513	131	977266	9.678	ppbv	99
57) Chlorobenzene	11.532	112	1708363	9.633	ppbv	98
58) Ethyl Benzene	12.095	91	3023561	9.880	ppbv	98
59) m/p-Xylene	12.375	91	5110818m	19.493	ppbv	
60) o-Xylene	13.063	91	2419200	9.678	ppbv	99
61) Styrene	12.902	104	1311544	10.703	ppbv	99
62) Isopropylbenzene	14.031	105	3632092	9.608	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	1707890	9.604	ppbv	99
64) n-propylbenzene	14.918	120	955746	9.810	ppbv	99
65) tert-Butylbenzene	16.089	119	3172277	9.440	ppbv	99
66) Benzyl Chloride	16.330	91	245432	11.100	ppbv	98
67) sec-Butylbenzene	16.635	105	4509122	9.497	ppbv	100
69) p-Isopropyltoluene	16.998	119	3736449	9.550	ppbv	100
70) n-Butylbenzene	17.886	91	3951078	9.734	ppbv	100
71) 2-Chlorotoluene	14.806	91	2781896	9.615	ppbv	100
72) 4-Ethyltoluene	15.195	105	2934791	10.078	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2516355	9.956	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	2750380	9.622	ppbv #	88
75) 1,3-Dichlorobenzene	16.333	146	1644913	9.803	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1634938	9.751	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1585942	9.442	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	977888m	7.104	ppbv	
79) Naphthalene	21.381	128	2923397	11.787	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	961670	11.482	ppbv	96
81) 1,2,4-Trichlorobenzene	21.140	180	1394734	10.084	ppbv #	99

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

