

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041977.D
 Acq On : 10 Feb 2025 08:32
 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 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 01:18:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	154218	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	410131	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.872	117	354638	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	277551	9.936	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.495	85	205069	9.762	ppbv	98
3) Chlorodifluoromethane	1.473	51	235186	10.687	ppbv	100
4) Chloromethane	1.528	50	87187	11.036	ppbv	98
5) Vinyl Chloride	1.576	62	83244	10.403	ppbv	100
6) Bromomethane	1.664	94	38569	10.113	ppbv	93
7) Chloroethane	1.699	64	33775	10.848	ppbv	94
8) Dichlorotetrafluoroethane	1.551	85	186089	10.137	ppbv	98
9) Propene	1.479	41	93627	10.328	ppbv	96
10) Heptane	4.965	43	270466	11.162	ppbv	97
11) Trichlorofluoromethane	1.871	101	211625	9.685	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.133	101	173899	10.154	ppbv	99
13) Ethanol	1.716	45	4675	7.041	ppbv	95
14) Bromoethene	1.777	108	58266	9.292	ppbv	96
15) Acetone	1.829	43	180346	9.736	ppbv	100
16) 1,3-Butadiene	1.606	39	87342	10.506	ppbv	98
17) tert-Butyl alcohol	2.036	59	209967	9.210	ppbv	97
18) 1,1-Dichloroethene	2.030	96	76076	9.856	ppbv	97
19) Isopropyl Alcohol	1.881	45	99565	9.066	ppbv	91
20) Methylene Chloride	2.055	84	67574	9.231	ppbv	92
21) Allyl Chloride	2.091	41	135890	10.595	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	87114	10.000	ppbv	100
23) Vinyl Acetate	2.457	43	97772	10.649	ppbv	98
24) 1,1-Dichloroethane	2.402	63	173995	10.326	ppbv	99
25) Ethyl Acetate	2.829	43	557021	11.152	ppbv	100
26) Hexane	2.819	57	213109	10.788	ppbv	93
27) Carbon Disulfide	2.143	76	212559	10.873	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	114672	7.595	ppbv	99
29) Chloroform	2.842	83	334190	10.702	ppbv	99
30) Cyclohexane	3.845	84	177133	10.338	ppbv	97
31) cis-1,2-Dichloroethene	2.712	61	205042	9.857	ppbv	94
32) 1,1,1-Trichloroethane	3.360	97	309991	10.374	ppbv	99
34) 2-Butanone	2.551	43	319120	12.235	ppbv	97
35) Carbon Tetrachloride	3.751	117	314905	12.224	ppbv	98
36) Benzene	3.648	78	437818	11.639	ppbv	98
37) 1,2-Dichloroethane	3.211	62	240312	11.375	ppbv	98
38) Trichloroethene	4.538	130	168613	11.295	ppbv	99
39) 1,2-Dichloropropane	4.302	63	153848	11.659	ppbv	99
40) 1,4-Dioxane	4.574	88	72221	10.838	ppbv #	96
41) Tetrahydrofuran	3.049	42	173245	12.222	ppbv	96
42) Bromodichloromethane	4.480	83	340153	12.008	ppbv	99
43) Methyl Methacrylate	4.868	69	154005	11.021	ppbv	97
44) 2,2,4-Trimethylpentane	4.625	57	746941	12.276	ppbv	99
45) t-1,3-Dichloropropene	6.402	75	139758	10.685	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	192080	11.184	ppbv	98
47) 1,1,2-Trichloroethane	6.567	97	169529	12.122	ppbv	97
48) Dibromochloromethane	7.373	129	267572	12.400	ppbv	99
49) Bromoform	9.474	173	223538	12.611	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	432571	12.149	ppbv	98
51) 2-Hexanone	7.425	43	334291	12.218	ppbv #	96
52) Tetrachloroethene	8.215	164	140056	10.738	ppbv	98
53) Toluene	6.920	91	472272	11.526	ppbv	99
54) 1,2-Dibromoethane	7.642	107	226578	11.785	ppbv	88
56) 1,1,1,2-Tetrachloroethane	8.914	131	222785	12.591	ppbv	99
57) Chlorobenzene	8.911	112	395804	12.099	ppbv	99
58) Ethyl Benzene	9.344	91	654282	11.805	ppbv	98
59) m/p-Xylene	9.542	91	1115572m	25.112	ppbv	
60) o-Xylene	9.956	91	553733	12.558	ppbv	98
61) Styrene	9.862	104	239238	12.095	ppbv	98
62) Isopropylbenzene	10.532	105	832163	12.196	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.953	83	370655	13.154	ppbv	99
64) n-propylbenzene	10.982	120	218210	12.657	ppbv	97
65) tert-Butylbenzene	11.526	119	768497	12.359	ppbv	98
66) Benzyl Chloride	11.610	91	45377	11.790	ppbv	97
67) sec-Butylbenzene	11.762	105	1061115	12.393	ppbv	99
69) p-Isopropyltoluene	11.921	119	879879	12.479	ppbv	99
70) n-Butylbenzene	12.277	91	854015	12.214	ppbv	100
71) 2-Chlorotoluene	10.895	91	610952	12.105	ppbv	98
72) 4-Ethyltoluene	11.118	105	661607	12.544	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	571249	12.264	ppbv	94
74) 1,2,4-Trimethylbenzene	11.529	105	627355	12.437	ppbv	96
75) 1,3-Dichlorobenzene	11.600	146	366759	12.270	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	364383	12.460	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	367508	12.406	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	244469	10.054	ppbv	100
79) Naphthalene	13.507	128	544923	10.729	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	152056	6.315	ppbv	98
81) 1,2,4-Trichlorobenzene	13.435	180	243210	9.811	ppbv	98

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

