

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041979.D
 Acq On : 10 Feb 2025 10:08
 Operator : SY/MD
 Sample : VL0210ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0210ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 01:19:16 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	152077	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	414040	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	360498	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 272541 9.598 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	204571	9.876	ppbv	100
3) Chlorodifluoromethane	1.473	51	238144	10.974	ppbv	98
4) Chloromethane	1.531	50	86569	11.112	ppbv	100
5) Vinyl Chloride	1.576	62	84116	10.660	ppbv	98
6) Bromomethane	1.664	94	37729	10.032	ppbv	99
7) Chloroethane	1.703	64	32459	10.572	ppbv	100
8) Dichlorotetrafluoroethane	1.550	85	184185	10.174	ppbv	97
9) Propene	1.482	41	98077	10.971	ppbv	100
10) Heptane	4.972	43	273994	11.467	ppbv	99
11) Trichlorofluoromethane	1.874	101	206694	9.592	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	172146	10.193	ppbv	98
13) Ethanol	1.719	45	4272	6.524	ppbv	98
14) Bromoethene	1.777	108	58841	9.516	ppbv	98
15) Acetone	1.832	43	175207	9.592	ppbv	99
16) 1,3-Butadiene	1.605	39	86883	10.598	ppbv	97
17) tert-Butyl alcohol	2.036	59	198158	8.815	ppbv	98
18) 1,1-Dichloroethene	2.029	96	72213	9.487	ppbv	98
19) Isopropyl Alcohol	1.884	45	98535	9.098	ppbv	91
20) Methylene Chloride	2.059	84	62784	8.698	ppbv	96
21) Allyl Chloride	2.091	41	130301	10.302	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	87917	10.234	ppbv	100
23) Vinyl Acetate	2.460	43	99099	10.945	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	171646	10.330	ppbv	98
25) Ethyl Acetate	2.832	43	559898	11.367	ppbv	100
26) Hexane	2.819	57	217226	11.151	ppbv	95
27) Carbon Disulfide	2.146	76	207662	10.772	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	119227	8.007	ppbv	99
29) Chloroform	2.845	83	329549	10.702	ppbv	97
30) Cyclohexane	3.848	84	179649	10.632	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	206778	10.081	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	306280	10.394	ppbv	98
34) 2-Butanone	2.554	43	318901	12.111	ppbv	98
35) Carbon Tetrachloride	3.755	117	317170	12.195	ppbv	97
36) Benzene	3.651	78	443760	11.686	ppbv	99
37) 1,2-Dichloroethane	3.214	62	237171	11.120	ppbv	99
38) Trichloroethene	4.541	130	171308	11.368	ppbv	97
39) 1,2-Dichloropropane	4.305	63	156515	11.750	ppbv	98
40) 1,4-Dioxane	4.577	88	73021	10.855	ppbv #	95
41) Tetrahydrofuran	3.052	42	178745	12.491	ppbv	96
42) Bromodichloromethane	4.480	83	335631	11.737	ppbv	95
43) Methyl Methacrylate	4.874	69	158914	11.265	ppbv	99
44) 2,2,4-Trimethylpentane	4.632	57	749666	12.205	ppbv	99
45) t-1,3-Dichloropropene	6.405	75	144871	10.971	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	195860	11.297	ppbv	98
47) 1,1,2-Trichloroethane	6.570	97	172374	12.209	ppbv	96
48) Dibromochloromethane	7.380	129	265141	12.172	ppbv	100
49) Bromoform	9.477	173	222557	12.438	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	428455	11.920	ppbv	99
51) 2-Hexanone	7.431	43	329889	11.944	ppbv #	96
52) Tetrachloroethene	8.215	164	140409	10.663	ppbv	96
53) Toluene	6.923	91	480878	11.625	ppbv	99
54) 1,2-Dibromoethane	7.645	107	229236	11.811	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	220416	12.255	ppbv	99
57) Chlorobenzene	8.917	112	393754	11.841	ppbv	95
58) Ethyl Benzene	9.347	91	662182	11.754	ppbv	98
59) m/p-Xylene	9.545	91	1098746m	24.331	ppbv	
60) o-Xylene	9.959	91	547895	12.223	ppbv	97
61) Styrene	9.865	104	239385	11.905	ppbv	98
62) Isopropylbenzene	10.535	105	820806	11.834	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	366346	12.790	ppbv	99
64) n-propylbenzene	10.985	120	216727	12.366	ppbv	97
65) tert-Butylbenzene	11.529	119	752174	11.900	ppbv	99
66) Benzyl Chloride	11.613	91	42944	10.977	ppbv	100
67) sec-Butylbenzene	11.765	105	1052687	12.095	ppbv	100
69) p-Isopropyltoluene	11.924	119	859591	11.994	ppbv	99
70) n-Butylbenzene	12.277	91	843880	11.872	ppbv	100
71) 2-Chlorotoluene	10.895	91	603809	11.769	ppbv	98
72) 4-Ethyltoluene	11.121	105	657858	12.270	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	561685	11.863	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	624557	12.180	ppbv	97
75) 1,3-Dichlorobenzene	11.603	146	363224	11.954	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	354840	11.936	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	363176	12.060	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	247369	10.008	ppbv	99
79) Naphthalene	13.510	128	548662	10.627	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	159849	6.530	ppbv	97
81) 1,2,4-Trichlorobenzene	13.439	180	245181	9.729	ppbv	98

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

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