

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021125\
 Data File : VL041997.D
 Acq On : 11 Feb 2025 10:50
 Operator : SY/MD
 Sample : VL0211ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0211ABS01

Quant Time: Feb 11 22:17:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 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	161308	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	446315	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.872	117	395917	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	312995	10.037	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	184613	8.402	ppbv	99
3) Chlorodifluoromethane	1.473	51	216666	9.413	ppbv	99
4) Chloromethane	1.531	50	79718	9.647	ppbv	97
5) Vinyl Chloride	1.576	62	76421	9.130	ppbv	100
6) Bromomethane	1.664	94	35774	8.968	ppbv	91
7) Chloroethane	1.699	64	31606	9.705	ppbv	97
8) Dichlorotetrafluoroethane	1.551	85	173737	9.048	ppbv	100
9) Propene	1.483	41	88949	9.381	ppbv	98
10) Heptane	4.965	43	258397	10.195	ppbv	98
11) Trichlorofluoromethane	1.874	101	199153	8.713	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.133	101	162522	9.073	ppbv	99
13) Ethanol	1.719	45	4358	6.275	ppbv	95
14) Bromoethene	1.777	108	56642	8.636	ppbv	99
15) Acetone	1.832	43	169851	8.767	ppbv	99
16) 1,3-Butadiene	1.606	39	83262	9.575	ppbv	98
17) tert-Butyl alcohol	2.036	59	194019	8.137	ppbv	97
18) 1,1-Dichloroethene	2.030	96	67380	8.346	ppbv	97
19) Isopropyl Alcohol	1.884	45	99738	8.682	ppbv #	36
20) Methylene Chloride	2.055	84	59645	7.790	ppbv	96
21) Allyl Chloride	2.091	41	124715	9.296	ppbv	98
22) trans-1,2-Dichloroethene	2.334	96	80599	8.845	ppbv	92
23) Vinyl Acetate	2.457	43	93090	9.693	ppbv #	98
24) 1,1-Dichloroethane	2.402	63	165710	9.402	ppbv	97
25) Ethyl Acetate	2.832	43	527204	10.091	ppbv	99
26) Hexane	2.819	57	205220	9.932	ppbv	95
27) Carbon Disulfide	2.146	76	195192	9.546	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	132634	8.398	ppbv	98
29) Chloroform	2.842	83	310248	9.498	ppbv	98
30) Cyclohexane	3.849	84	169062	9.433	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	198315	9.115	ppbv	93
32) 1,1,1-Trichloroethane	3.360	97	297110	9.506	ppbv	99
34) 2-Butanone	2.554	43	299866	10.565	ppbv	99
35) Carbon Tetrachloride	3.755	117	296944	10.592	ppbv	98
36) Benzene	3.648	78	418876	10.233	ppbv	99
37) 1,2-Dichloroethane	3.211	62	228142	9.924	ppbv	99
38) Trichloroethene	4.541	130	162897	10.028	ppbv	97
39) 1,2-Dichloropropane	4.305	63	146187	10.181	ppbv	97
40) 1,4-Dioxane	4.574	88	75080	10.354	ppbv #	99
41) Tetrahydrofuran	3.049	42	168345	10.913	ppbv	97
42) Bromodichloromethane	4.480	83	315265	10.228	ppbv	97
43) Methyl Methacrylate	4.868	69	150766	9.914	ppbv	99
44) 2,2,4-Trimethylpentane	4.629	57	702943	10.617	ppbv	98
45) t-1,3-Dichloropropene	6.405	75	137007	9.625	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	188032	10.061	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	159732	10.496	ppbv	97
48) Dibromochloromethane	7.376	129	247725	10.550	ppbv	99
49) Bromoform	9.477	173	205724	10.665	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	400504	10.336	ppbv	99
51) 2-Hexanone	7.431	43	308477	10.361	ppbv #	96
52) Tetrachloroethene	8.218	164	133576	9.411	ppbv	98
53) Toluene	6.920	91	454404	10.191	ppbv	99
54) 1,2-Dibromoethane	7.642	107	214575	10.256	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	205976	10.428	ppbv	100
57) Chlorobenzene	8.914	112	369725	10.124	ppbv	97
58) Ethyl Benzene	9.348	91	626124	10.119	ppbv	100
59) m/p-Xylene	9.545	91	1035815m	20.885	ppbv	
60) o-Xylene	9.956	91	521514	10.594	ppbv	99
61) Styrene	9.862	104	226476	10.256	ppbv	99
62) Isopropylbenzene	10.532	105	772862	10.146	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	338953	10.775	ppbv	98
64) n-propylbenzene	10.985	120	197507	10.261	ppbv	100
65) tert-Butylbenzene	11.526	119	700599	10.092	ppbv	99
66) Benzyl Chloride	11.610	91	39500	9.193	ppbv	99
67) sec-Butylbenzene	11.762	105	976394	10.215	ppbv	99
69) p-Isopropyltoluene	11.921	119	801913	10.188	ppbv	99
70) n-Butylbenzene	12.277	91	792434	10.151	ppbv	99
71) 2-Chlorotoluene	10.895	91	566431	10.052	ppbv	99
72) 4-Ethyltoluene	11.121	105	603229	10.244	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	526457	10.124	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	573778	10.189	ppbv	95
75) 1,3-Dichlorobenzene	11.604	146	332540	9.965	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	325676	9.975	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	332295	10.048	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	232050	8.549	ppbv	98
79) Naphthalene	13.510	128	506742	8.937	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	139177	5.177	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	223979	8.093	ppbv	98

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

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