

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041933.D
 Acq On : 20 Jan 2025 23:00
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Jan 21 05:07:52 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

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

Internal Standards						
1) Bromochloromethane	2.777	49	136282	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.946	114	377622	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	327592	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	257179	9.967	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.496	85	9453	0.509	ppbv	93
3) Chlorodifluoromethane	1.470	51	9526	0.490	ppbv	100
4) Chloromethane	1.528	50	3365	0.482	ppbv	93
5) Vinyl Chloride	1.573	62	3117	0.441	ppbv	99
6) Bromomethane	1.664	94	1766	0.524	ppbv	92
7) Chloroethane	1.700	64	1346	0.489	ppbv	93
8) Dichlorotetrafluoroethane	1.551	85	7291	0.449	ppbv	98
9) Propene	1.479	41	3855	0.481	ppbv	98
10) Heptane	4.962	43	7100m	0.332	ppbv	
11) Trichlorofluoromethane	1.871	101	7872	0.408	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.133	101	6669	0.441	ppbv	98
13) Ethanol	1.716	45	238m	0.406	ppbv	
14) Bromoethene	1.777	108	2296	0.414	ppbv #	93
15) Acetone	1.832	43	8886	0.543	ppbv	94
16) 1,3-Butadiene	1.602	39	3787	0.515	ppbv	87
17) tert-Butyl alcohol	2.039	59	7707	0.383	ppbv #	86
18) 1,1-Dichloroethene	2.026	96	2914	0.427	ppbv #	93
19) Isopropyl Alcohol	1.884	45	4486	0.462	ppbv #	39
20) Methylene Chloride	2.056	84	3078	0.476	ppbv #	86
21) Allyl Chloride	2.088	41	4844	0.427	ppbv #	85
22) trans-1,2-Dichloroethene	2.331	96	3394	0.441	ppbv	81
23) Vinyl Acetate	2.454	43	3023	0.373	ppbv #	76
24) 1,1-Dichloroethane	2.402	63	6992	0.470	ppbv	98
25) Ethyl Acetate	2.832	43	17821m	0.404	ppbv	
26) Hexane	2.816	57	6200	0.355	ppbv #	77
27) Carbon Disulfide	2.143	76	6601	0.382	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	4405	0.330	ppbv #	81
29) Chloroform	2.839	83	12876	0.467	ppbv	86
30) Cyclohexane	3.849	84	5001	0.330	ppbv	90
31) cis-1,2-Dichloroethene	2.709	61	7466	0.406	ppbv	95
32) 1,1,1-Trichloroethane	3.360	97	10678	0.404	ppbv	94
34) 2-Butanone	2.554	43	11133	0.464	ppbv	97
35) Carbon Tetrachloride	3.752	117	10082	0.425	ppbv	90
36) Benzene	3.648	78	14725m	0.425	ppbv	
37) 1,2-Dichloroethane	3.208	62	9188	0.472	ppbv	99
38) Trichloroethene	4.532	130	5778m	0.420	ppbv	
39) 1,2-Dichloropropane	4.299	63	5683m	0.468	ppbv	
40) 1,4-Dioxane	4.596	88	1865	0.304	ppbv #	10
41) Tetrahydrofuran	3.056	42	5333m	0.409	ppbv	
42) Bromodichloromethane	4.480	83	10841	0.416	ppbv #	92
43) Methyl Methacrylate	4.871	69	4275m	0.332	ppbv	
44) 2,2,4-Trimethylpentane	4.629	57	20981	0.375	ppbv	93
45) t-1,3-Dichloropropene	6.389	75	3687m	0.306	ppbv	

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	5473m	0.346	ppbv	
47) 1,1,2-Trichloroethane	6.567	97	6348m	0.493	ppbv	
48) Dibromochloromethane	7.373	129	7155	0.360	ppbv	99
49) Bromoform	9.467	173	5536	0.339	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	11967m	0.365	ppbv	
51) 2-Hexanone	7.432	43	7904m	0.314	ppbv	
52) Tetrachloroethene	8.212	164	4901	0.408	ppbv	92
53) Toluene	6.911	91	12801m	0.339	ppbv	
54) 1,2-Dibromoethane	7.642	107	7031m	0.397	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.917	131	7069	0.433	ppbv #	1
57) Chlorobenzene	8.911	112	14493m	0.480	ppbv	
58) Ethyl Benzene	9.344	91	15758	0.308	ppbv	95
59) m/p-Xylene	9.539	91	26546m	0.647	ppbv	
60) o-Xylene	9.950	91	13053m	0.320	ppbv	
61) Styrene	9.856	104	5402	0.296	ppbv	97
62) Isopropylbenzene	10.529	105	22156	0.352	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	12465	0.479	ppbv	98
64) n-propylbenzene	10.979	120	5193	0.326	ppbv	100
65) tert-Butylbenzene	11.523	119	17019	0.296	ppbv	96
66) Benzyl Chloride	11.604	91	1046m	0.294	ppbv	
67) sec-Butylbenzene	11.762	105	27031	0.342	ppbv	98
69) p-Isopropyltoluene	11.918	119	20686	0.318	ppbv	99
70) n-Butylbenzene	12.277	91	20287	0.314	ppbv	93
71) 2-Chlorotoluene	10.892	91	15579	0.334	ppbv	99
72) 4-Ethyltoluene	11.115	105	14809	0.304	ppbv	98
73) 1,3,5-Trimethylbenzene	11.196	105	14023	0.326	ppbv	100
74) 1,2,4-Trimethylbenzene	11.526	105	15550	0.334	ppbv	92
75) 1,3-Dichlorobenzene	11.597	146	12480	0.452	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	10947	0.405	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	13285	0.485	ppbv	97
78) Hexachloro-1,3-Butadiene	13.876	225	9664	0.430	ppbv	97
79) Naphthalene	13.507	128	12592	0.268	ppbv #	92
80) Naphthalene,2-methyl-	14.452	142	3806	0.171	ppbv	93
81) 1,2,4-Trichlorobenzene	13.432	180	7796	0.340	ppbv	97

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

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