

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041881.D
 Acq On : 09 Jan 2025 23:17
 Operator : SY/MD
 Sample : MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.1

Quant Time: Jan 10 01:54:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	119198	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	350799	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	312465	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	252030	10.059	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	3275m	0.167	ppbv	
3) Chlorodifluoromethane	1.479	51	3143	0.146	ppbv	99
4) Chloromethane	1.538	50	1340	0.176	ppbv	97
5) Vinyl Chloride	1.586	62	1110	0.137	ppbv #	79
6) Bromomethane	1.673	94	794	0.208	ppbv #	48
7) Chloroethane	1.709	64	433	0.138	ppbv #	75
8) Dichlorotetrafluoroethane	1.560	85	2338	0.137	ppbv	99
9) Propene	1.489	41	2004	0.200	ppbv	90
10) Heptane	5.004	43	3473m	0.131	ppbv	
11) Trichlorofluoromethane	1.887	101	2824	0.140	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.146	101	2586	0.159	ppbv	84
13) Ethanol	1.725	45	842m	1.322	ppbv	
14) Bromoethene	1.787	108	764	0.131	ppbv #	72
15) Acetone	1.842	43	6030	0.300	ppbv #	88
16) 1,3-Butadiene	1.615	39	1452	0.168	ppbv #	82
17) tert-Butyl alcohol	2.049	59	3047	0.134	ppbv #	73
18) 1,1-Dichloroethene	2.042	96	1221	0.166	ppbv #	50
19) Isopropyl Alcohol	1.894	45	2710	0.256	ppbv #	63
20) Methylene Chloride	2.068	84	2093	0.305	ppbv #	83
21) Allyl Chloride	2.104	41	2233	0.174	ppbv #	74
22) trans-1,2-Dichloroethene	2.350	96	1523	0.179	ppbv	86
23) Vinyl Acetate	2.466	43	1373m	0.135	ppbv	
24) 1,1-Dichloroethane	2.415	63	1905	0.118	ppbv #	88
25) Ethyl Acetate	2.852	43	5430	0.109	ppbv	96
26) Hexane	2.842	57	2863	0.139	ppbv #	84
27) Carbon Disulfide	2.159	76	2369	0.120	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	1807m	0.115	ppbv	
29) Chloroform	2.861	83	4251m	0.148	ppbv	
30) Cyclohexane	3.881	84	2319m	0.131	ppbv	
31) cis-1,2-Dichloroethene	2.735	61	2461	0.123	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	3776m	0.132	ppbv	
34) 2-Butanone	2.576	43	4378	0.150	ppbv	94
35) Carbon Tetrachloride	3.777	117	3324	0.122	ppbv #	96
36) Benzene	3.674	78	5678	0.140	ppbv #	91
37) 1,2-Dichloroethane	3.230	62	2946	0.138	ppbv #	94
38) Trichloroethene	4.573	130	2339m	0.146	ppbv	
39) 1,2-Dichloropropane	4.334	63	1975m	0.136	ppbv	
40) 1,4-Dioxane	4.635	88	1034m	0.142	ppbv	
41) Tetrahydrofuran	3.085	42	2202	0.129	ppbv	94
42) Bromodichloromethane	4.512	83	3274m	0.112	ppbv	
43) Methyl Methacrylate	4.910	69	2124m	0.127	ppbv	
44) 2,2,4-Trimethylpentane	4.661	57	8540m	0.124	ppbv	
45) t-1,3-Dichloropropene	6.444	75	1796m	0.105	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	2291m	0.105	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	1884m	0.124	ppbv	
48) Dibromochloromethane	7.399	129	2264m	0.098	ppbv	
49) Bromoform	9.496	173	1771m	0.088	ppbv	
50) 4-Methyl-2-Pentanone	5.800	43	4881m	0.117	ppbv	
51) 2-Hexanone	7.477	43	3228m	0.094	ppbv	
52) Tetrachloroethene	8.237	164	1946m	0.125	ppbv	
53) Toluene	6.956	91	5927m	0.122	ppbv	
54) 1,2-Dibromoethane	7.671	107	2370m	0.114	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.940	131	2377m	0.128	ppbv	
57) Chlorobenzene	8.936	112	4354	0.125	ppbv #	88
58) Ethyl Benzene	9.367	91	7412	0.115	ppbv #	78
59) m/p-Xylene	9.568	91	11019m	0.217	ppbv	
60) o-Xylene	9.979	91	5565m	0.110	ppbv	
61) Styrene	9.882	104	2564m	0.101	ppbv	
62) Isopropylbenzene	10.552	105	9208	0.121	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	4108m	0.135	ppbv	
64) n-propylbenzene	11.005	120	1986	0.100	ppbv	90
65) tert-Butylbenzene	11.545	119	7266	0.105	ppbv	92
66) Benzyl Chloride	11.629	91	468m	0.065	ppbv	
67) sec-Butylbenzene	11.778	105	10817	0.114	ppbv #	91
69) p-Isopropyltoluene	11.934	119	8131	0.100	ppbv #	92
70) n-Butylbenzene	12.293	91	8440	0.104	ppbv	96
71) 2-Chlorotoluene	10.914	91	7004	0.119	ppbv	99
72) 4-Ethyltoluene	11.137	105	6361	0.102	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.215	105	5259	0.100	ppbv	93
74) 1,2,4-Trimethylbenzene	11.552	105	6397	0.112	ppbv #	80
75) 1,3-Dichlorobenzene	11.616	146	4398	0.128	ppbv	95
76) 1,4-Dichlorobenzene	11.688	146	4068m	0.120	ppbv	
77) 1,2-Dichlorobenzene	11.960	146	4074	0.126	ppbv	92
78) Hexachloro-1,3-Butadiene	13.892	225	3452	0.124	ppbv	91
79) Naphthalene	13.526	128	5406	0.088	ppbv #	90
80) Naphthalene,2-methyl-	14.471	142	2511	0.075	ppbv #	77
81) 1,2,4-Trichlorobenzene	13.452	180	3551	0.121	ppbv	96

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

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