

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041911.D
 Acq On : 15 Jan 2025 01:53
 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 15 04:25:31 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	131596	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	383772	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	333873	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	263116	10.006	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.100%	

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.502	85	2232m	0.125	ppbv	
3) Chlorodifluoromethane	1.479	51	1979	0.105	ppbv	96
4) Chloromethane	1.534	50	961	0.143	ppbv #	74
5) Vinyl Chloride	1.583	62	790	0.116	ppbv	95
6) Bromomethane	1.670	94	465	0.143	ppbv #	63
7) Chloroethane	1.706	64	336	0.126	ppbv #	68
8) Dichlorotetrafluoroethane	1.557	85	1694	0.108	ppbv	86
9) Propene	1.486	41	1121m	0.145	ppbv	
10) Heptane	4.998	43	1849m	0.089	ppbv	
11) Trichlorofluoromethane	1.881	101	2353	0.126	ppbv #	82
12) 1,1,2-Trichlorotrifluo...	2.143	101	1917	0.131	ppbv	88
14) Bromoethene	1.787	108	569	0.106	ppbv #	74
15) Acetone	1.839	43	3120	0.197	ppbv	90
16) 1,3-Butadiene	1.612	39	655	0.092	ppbv #	62
17) tert-Butyl alcohol	2.049	59	2420	0.124	ppbv	95
18) 1,1-Dichloroethene	2.039	96	850	0.129	ppbv #	90
19) Isopropyl Alcohol	1.890	45	1870	0.200	ppbv #	32
20) Methylene Chloride	2.065	84	1655	0.265	ppbv #	78
21) Allyl Chloride	2.101	41	1554	0.142	ppbv #	75
22) trans-1,2-Dichloroethene	2.350	96	887	0.119	ppbv #	76
23) Vinyl Acetate	2.470	43	914	0.117	ppbv #	36
24) 1,1-Dichloroethane	2.411	63	1732	0.120	ppbv #	93
25) Ethyl Acetate	2.848	43	4301m	0.101	ppbv	
26) Hexane	2.835	57	1761	0.104	ppbv	96
27) Carbon Disulfide	2.156	76	1678	0.101	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	1390	0.108	ppbv #	82
29) Chloroform	2.852	83	3104m	0.116	ppbv	
30) Cyclohexane	3.861	84	1409m	0.096	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	1652m	0.093	ppbv	
32) 1,1,1-Trichloroethane	3.376	97	2509m	0.098	ppbv	
34) 2-Butanone	2.573	43	2674	0.110	ppbv	96
35) Carbon Tetrachloride	3.768	117	2476m	0.103	ppbv	
36) Benzene	3.664	78	3903m	0.111	ppbv	
37) 1,2-Dichloroethane	3.227	62	2482	0.126	ppbv #	93
38) Trichloroethene	4.564	130	1646m	0.118	ppbv	
39) 1,2-Dichloropropane	4.324	63	1531m	0.124	ppbv	
40) 1,4-Dioxane	4.635	88	534m	0.086	ppbv	
41) Tetrahydrofuran	3.085	42	1485m	0.112	ppbv	
42) Bromodichloromethane	4.496	83	2437m	0.092	ppbv	
43) Methyl Methacrylate	4.900	69	1205m	0.092	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	5310m	0.093	ppbv	
45) t-1,3-Dichloropropene	6.428	75	871m	0.071	ppbv	
46) cis-1,3-Dichloropropene	5.619	75	1543m	0.096	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.593	97	1452m	0.111	ppbv	
48) Dibromochloromethane	7.399	129	1942m	0.096	ppbv	
49) Bromoform	9.487	173	1260	0.076	ppbv #	81
50) 4-Methyl-2-Pentanone	5.794	43	2765m	0.083	ppbv	
51) 2-Hexanone	7.470	43	2064m	0.081	ppbv	
52) Tetrachloroethene	8.228	164	1459m	0.120	ppbv	
53) Toluene	6.949	91	3005m	0.078	ppbv	
54) 1,2-Dibromoethane	7.665	107	1690m	0.094	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	1627	0.098	ppbv #	1
57) Chlorobenzene	8.927	112	3449	0.112	ppbv #	68
58) Ethyl Benzene	9.361	91	4849	0.093	ppbv	100
59) m/p-Xylene	9.535	91	6555m	0.157	ppbv	
60) o-Xylene	9.972	91	2989	0.072	ppbv	87
61) Styrene	9.875	104	1495	0.080	ppbv	96
62) Isopropylbenzene	10.545	105	5469	0.085	ppbv	93
63) 1,1,2,2-Tetrachloroethane	9.975	83	2879	0.109	ppbv	98
64) n-propylbenzene	10.995	120	1221	0.075	ppbv	99
65) tert-Butylbenzene	11.539	119	3800	0.065	ppbv	99
67) sec-Butylbenzene	11.772	105	5793	0.072	ppbv	93
69) p-Isopropyltoluene	11.930	119	4018	0.061	ppbv #	91
70) n-Butylbenzene	12.286	91	4287	0.065	ppbv	99
71) 2-Chlorotoluene	10.904	91	3713	0.078	ppbv	97
72) 4-Ethyltoluene	11.131	105	3272	0.066	ppbv #	89
73) 1,3,5-Trimethylbenzene	11.212	105	3379	0.077	ppbv	91
74) 1,2,4-Trimethylbenzene	11.545	105	3022	0.064	ppbv #	70
75) 1,3-Dichlorobenzene	11.616	146	3031	0.108	ppbv	86
76) 1,4-Dichlorobenzene	11.678	146	2615	0.095	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	2817	0.101	ppbv	93
78) Hexachloro-1,3-Butadiene	13.889	225	2426	0.106	ppbv	97
79) Naphthalene	13.520	128	3086	0.065	ppbv #	91
80) Naphthalene,2-methyl-	14.465	142	1192	0.053	ppbv	90
81) 1,2,4-Trichlorobenzene	13.445	180	1767m	0.076	ppbv	

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

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