

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
 Data File : VU047835.D
 Acq On : 06 Apr 2022 17:58
 Operator : SY/MD
 Sample : MDL02 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02 0.25ppb

Quant Time: Apr 07 06:49:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 07 06:48:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	45276	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	14048	0.858	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	19296	0.977	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	4030	0.250	ug/l	86
3) Chloromethane	1.526	50	4916	0.272	ug/l	98
4) Vinyl Chloride	1.607	62	3894	0.244	ug/l	94
5) Bromomethane	1.861	94	2566	0.254	ug/l	99
6) Chloroethane	1.938	64	2469	0.249	ug/l	98
7) Trichlorofluoromethane	2.144	101	5536	0.259	ug/l	85
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	2949	0.239	ug/l	94
9) 1,1-Dichloroethene	2.584	96	3059	0.250	ug/l	91
10) Iodomethane	2.729	142	1720	0.205	ug/l	89
11) Allyl Chloride	2.925	41	4727	0.282	ug/l	98
12) Acrylonitrile	3.317	53	1225	0.398	ug/l	94
13) Acetone	2.636	43	2730	1.116	ug/l	94
14) Carbon Disulfide	2.800	76	10033	0.259	ug/l	100
15) Methylene Chloride	3.051	84	7244	0.372	ug/l	96
16) trans-1,2-Dichloroethene	3.356	96	3484	0.260	ug/l	98
17) 1,1-Dichloroethane	3.874	63	5379	0.244	ug/l	93
18) 2-Butanone	4.735	43	4077m	1.250	ug/l	
19) Cyclohexane	5.388	56	3450m	0.207	ug/l	
20) Methylcyclohexane	6.761	83	3865	0.208	ug/l	93
21) 2,2-Dichloropropane	4.668	77	4389	0.243	ug/l	91
22) cis-1,2-Dichloroethene	4.671	96	2987	0.216	ug/l	86
23) Diethyl Ether	2.382	59	2152	0.236	ug/l	# 86
24) tert-Butyl Alcohol	3.195	59	1339m	1.319	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	7888	0.259	ug/l	# 81
26) Bromochloromethane	4.980	128	1658	0.241	ug/l	92
27) Chloroform	5.095	83	6052	0.259	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	4780	0.242	ug/l	96
29) 1,1-Dichloropropene	5.526	75	3786	0.226	ug/l	98
30) Carbon Tetrachloride	5.530	117	4143	0.241	ug/l	97
31) Isopropyl Ether	4.002	45	6668	0.219	ug/l	93
32) Ethyl-t-butyl ether	4.513	59	6755	0.229	ug/l	96
33) Tert-Amyl methyl ether	5.951	73	5832	0.218	ug/l	95
34) Propionitrile	4.819	54	402m	0.383	ug/l	
35) Benzene	5.780	78	11630	0.233	ug/l	95
36) 1,2-Dichloroethane	5.803	62	3548	0.241	ug/l	97
37) Trichloroethene	6.546	130	3329	0.230	ug/l	86
38) 1,2-Dichloropropane	6.796	63	3050	0.240	ug/l	# 80
39) Methacrylonitrile	4.983	41	651m	0.174	ug/l	
40) Methyl acrylate	4.870	55	1026	0.168	ug/l	# 72
41) Tetrahydrofuran	5.076	42	843	0.400	ug/l	# 84
42) 1-Chlorobutane	5.468	56	4828	0.224	ug/l	93
43) Dibromomethane	6.922	93	1818	0.249	ug/l	96
44) Bromodichloromethane	7.111	83	4335	0.257	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	8476	1.132	ug/l	92
46) t-1,4-Dichloro-2-butene	10.835	75	1992m	0.563	ug/l	
47) Methyl methacrylate	6.973	69	2283	0.390	ug/l	93
48) Ethyl methacrylate	8.343	69	2366	0.219	ug/l	84
49) Toluene	7.973	92	6416	0.211	ug/l	100
50) t-1,3-Dichloropropene	8.214	75	3382	0.227	ug/l #	81
51) cis-1,3-Dichloropropene	7.610	75	3768	0.220	ug/l	95
52) 1,1,2-Trichloroethane	8.404	97	2450	0.238	ug/l	95
53) 1,3-Dichloropropane	8.581	76	4142	0.245	ug/l	98
54) 2-Hexanone	8.697	43	6547	1.216	ug/l	88
55) Dibromochloromethane	8.809	129	2930	0.238	ug/l	98
56) 1,2-Dibromoethane	8.931	107	2515	0.255	ug/l	94
58) Tetrachloroethene	8.555	164	3177	0.244	ug/l	88
59) Chlorobenzene	9.452	112	8035	0.224	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	3088	0.243	ug/l	97
61) Pentachloroethane	11.433	117	2465	0.233	ug/l	94
62) Hexachloroethane	12.478	117	2058	0.213	ug/l #	3
63) Ethyl Benzene	9.574	91	10774	0.195	ug/l	99
64) m/p-Xylenes	9.697	106	7238	0.329	ug/l	96
65) o-Xylene	10.102	106	3701	0.176	ug/l	100
66) Styrene	10.118	104	6099	0.172	ug/l	98
67) Bromoform	10.295	173	1920	0.246	ug/l #	95
69) Isopropylbenzene	10.484	105	9845	0.179	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.787	83	3375	0.253	ug/l #	96
71) 1,2,3-Trichloropropane	10.828	75	2509m	0.248	ug/l	
72) Bromobenzene	10.783	156	3296	0.200	ug/l	89
73) n-propylbenzene	10.909	120	2771	0.177	ug/l	100
74) 2-Chlorotoluene	10.986	126	2750	0.185	ug/l	97
75) 1,3,5-Trimethylbenzene	11.089	105	7744	0.166	ug/l	97
76) 4-Chlorotoluene	11.102	126	2903	0.185	ug/l	90
77) tert-Butylbenzene	11.423	119	8494	0.180	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	7720	0.161	ug/l	97
79) sec-Butylbenzene	11.645	105	9771	0.158	ug/l	96
80) Nitrobenzene	13.217	77	300	0.595	ug/l #	46
81) p-Isopropyltoluene	11.796	119	8299	0.160	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	7327	0.221	ug/l	95
83) 1,4-Dichlorobenzene	11.841	146	6984	0.211	ug/l	99
84) n-Butylbenzene	12.211	91	8777	0.178	ug/l	94
85) 1,2-Dichlorobenzene	12.214	146	7373	0.235	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	449	0.212	ug/l	89
87) 1,2,4-Trichlorobenzene	13.844	180	5651	0.247	ug/l	96
88) Hexachlorobutadiene	14.024	225	3361	0.248	ug/l	95
89) Naphthalene	14.092	128	8240	0.221	ug/l	100
90) 1,2,3-Trichlorobenzene	14.333	180	4934	0.233	ug/l	98

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

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