

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070822\
 Data File : VU049659.D
 Acq On : 08 Jul 2022 16:37
 Operator : SY/MD
 Sample : N3214-09 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT2-2022

Quant Time: Jul 09 04:55:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Jul 09 04:54:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 07/11/2022
 Supervised By :Mahesh Dadoda 07/11/2022

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

Internal Standards						
1) Fluorobenzene	6.115	96	34407	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	11417	0.906	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	11888	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	3496	0.265	ug/l	96
3) Chloromethane	1.530	50	3630	0.269	ug/l	99
4) Vinyl Chloride	1.604	62	3326	0.271	ug/l	94
5) Bromomethane	1.858	94	2351	0.367	ug/l	98
6) Chloroethane	1.932	64	1628	0.237	ug/l	# 86
7) Trichlorofluoromethane	2.137	101	4045	0.275	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	1962	0.254	ug/l	98
9) 1,1-Dichloroethene	2.581	96	1844	0.236	ug/l	84
10) Iodomethane	2.719	142	1184	0.120	ug/l	96
11) Allyl Chloride	2.922	41	3558	0.267	ug/l	# 81
12) Acrylonitrile	3.321	53	891	0.427	ug/l	# 77
13) Acetone	2.636	43	3084	1.874	ug/l	92
14) Carbon Disulfide	2.790	76	7308	0.285	ug/l	100
15) Methylene Chloride	3.044	84	10132	1.037	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	2132	0.260	ug/l	97
17) 1,1-Dichloroethane	3.864	63	4454	0.263	ug/l	# 93
18) 2-Butanone	4.732	43	3785	1.349	ug/l	75
19) Cyclohexane	5.385	56	3124	0.193	ug/l	# 86
20) Methylcyclohexane	6.764	83	3102	0.194	ug/l	93
21) 2,2-Dichloropropane	4.665	77	3368	0.243	ug/l	# 74
22) cis-1,2-Dichloroethene	4.671	96	2245	0.222	ug/l	# 56
23) Diethyl Ether	2.375	59	1618	0.243	ug/l	# 78
24) tert-Butyl Alcohol	3.211	59	1991m	2.626	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	5778	0.265	ug/l	# 77
26) Bromochloromethane	4.973	128	1103	0.259	ug/l	92
27) Chloroform	5.096	83	4217	0.253	ug/l	99
28) 1,1,1-Trichloroethane	5.317	97	3867	0.263	ug/l	96
29) 1,1-Dichloropropene	5.526	75	2808	0.214	ug/l	# 91
30) Carbon Tetrachloride	5.520	117	3306	0.267	ug/l	97
31) Isopropyl Ether	3.999	45	7136	0.246	ug/l	67
32) Ethyl-t-butyl ether	4.510	59	6013	0.219	ug/l	97
33) Tert-Amyl methyl ether	5.954	73	5198m	0.217	ug/l	
34) Propionitrile	4.806	54	435	0.541	ug/l	# 57
35) Benzene	5.780	78	8757	0.234	ug/l	93
36) 1,2-Dichloroethane	5.800	62	2770	0.260	ug/l	# 77
37) Trichloroethene	6.542	130	2076	0.220	ug/l	# 78
38) 1,2-Dichloropropane	6.793	63	2470	0.249	ug/l	96
39) Methacrylonitrile	4.999	41	657m	0.191	ug/l	
40) Methyl acrylate	4.861	55	1173m	0.217	ug/l	
41) Tetrahydrofuran	5.070	42	1136	0.558	ug/l	# 72
42) 1-Chlorobutane	5.462	56	4259	0.231	ug/l	97
43) Dibromomethane	6.919	93	1086	0.220	ug/l	96
44) Bromodichloromethane	7.105	83	2783	0.235	ug/l	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	8104	1.210	ug/l	94
46) t-1,4-Dichloro-2-butene	10.835	75	980m	0.450	ug/l	
47) Methyl methacrylate	6.970	69	2307	0.464	ug/l #	95
48) Ethyl methacrylate	8.340	69	1984	0.199	ug/l	93
49) Toluene	7.970	92	4604	0.202	ug/l	91
50) t-1,3-Dichloropropene	8.214	75	2570	0.225	ug/l	97
51) cis-1,3-Dichloropropene	7.613	75	2960	0.219	ug/l #	87
52) 1,1,2-Trichloroethane	8.407	97	1696	0.249	ug/l	92
53) 1,3-Dichloropropane	8.581	76	3086	0.252	ug/l	94
54) 2-Hexanone	8.690	43	5677	1.220	ug/l	88
55) Dibromochloromethane	8.809	129	2054	0.264	ug/l	87
56) 1,2-Dibromoethane	8.925	107	1592	0.241	ug/l	96
58) Tetrachloroethene	8.555	164	2217	0.282	ug/l #	87
59) Chlorobenzene	9.449	112	5907	0.247	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.539	131	2180	0.256	ug/l	93
61) Pentachloroethane	11.430	117	1868	0.286	ug/l #	43
62) Hexachloroethane	12.481	117	1626	0.249	ug/l	84
63) Ethyl Benzene	9.574	91	8783	0.204	ug/l	96
64) m/p-Xylenes	9.697	106	6618	0.416	ug/l	99
65) o-Xylene	10.102	106	3083	0.197	ug/l	95
66) Styrene	10.118	104	4854	0.193	ug/l	94
67) Bromoform	10.291	173	1037	0.234	ug/l #	92
69) Isopropylbenzene	10.484	105	8752	0.210	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	2369	0.268	ug/l #	97
71) 1,2,3-Trichloropropane	10.828	75	2055m	0.281	ug/l	
72) Bromobenzene	10.787	156	2235	0.237	ug/l	88
73) n-propylbenzene	10.906	120	2444	0.232	ug/l	86
74) 2-Chlorotoluene	10.989	126	1875	0.199	ug/l	71
75) 1,3,5-Trimethylbenzene	11.089	105	6259	0.179	ug/l	97
76) 4-Chlorotoluene	11.102	126	2247	0.238	ug/l	88
77) tert-Butylbenzene	11.420	119	7232	0.210	ug/l	98
78) 1,2,4-Trimethylbenzene	11.472	105	6766	0.193	ug/l	97
79) sec-Butylbenzene	11.645	105	9141	0.203	ug/l	97
80) Nitrobenzene	13.214	77	405	1.119	ug/l #	55
81) p-Isopropyltoluene	11.796	119	7318	0.200	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	5000	0.275	ug/l	92
83) 1,4-Dichlorobenzene	11.841	146	4642	0.253	ug/l	93
84) n-Butylbenzene	12.211	91	7443	0.218	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	4539	0.257	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	376	0.244	ug/l #	27
87) 1,2,4-Trichlorobenzene	13.844	180	3522	0.296	ug/l #	95
88) Hexachlorobutadiene	14.021	225	1890	0.312	ug/l	93
89) Naphthalene	14.092	128	8051	0.323	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	3524	0.310	ug/l	96

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

