

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
 Data File : VU060344.D
 Acq On : 07 Aug 2024 18:23
 Operator : MD/SY
 Sample : P3390-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2024

Quant Time: Aug 08 06:58:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

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

Internal Standards						
1) Fluorobenzene	6.113	96	29274	1.000 ug/l	#	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9545	0.957 ug/l		0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	11291	1.042 ug/l		0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	8529	0.758 ug/l		97
3) Chloromethane	1.519	50	9662	0.751 ug/l		99
4) Vinyl Chloride	1.602	62	9577	0.744 ug/l		100
5) Bromomethane	1.856	94	7080	0.895 ug/l		98
6) Chloroethane	1.930	64	6613	0.849 ug/l		94
7) Trichlorofluoromethane	2.136	101	12200	0.786 ug/l		93
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	6472	0.766 ug/l		97
9) 1,1-Dichloroethene	2.576	96	7510	0.858 ug/l		79
10) Iodomethane	2.718	142	10348	0.798 ug/l		97
11) Allyl Chloride	2.920	41	8088	0.674 ug/l		100
12) Acrylonitrile	3.342	53	2371m	1.037 ug/l		
13) Acetone	2.657	43	5343m	1.924 ug/l		
14) Carbon Disulfide	2.789	76	21849	0.736 ug/l		98
15) Methylene Chloride	3.039	84	9935	0.907 ug/l		92
16) trans-1,2-Dichloroethene	3.351	96	7071	0.754 ug/l		92
17) 1,1-Dichloroethane	3.862	63	13602	0.754 ug/l		95
18) 2-Butanone	4.753	43	7646m	2.383 ug/l		
19) Cyclohexane	5.377	56	8374m	0.539 ug/l		
20) Methylcyclohexane	6.756	83	8077	0.655 ug/l		95
21) 2,2-Dichloropropane	4.657	77	9864	0.703 ug/l		100
22) cis-1,2-Dichloroethene	4.663	96	7348	0.731 ug/l		96
23) Diethyl Ether	2.374	59	5592	0.786 ug/l		99
24) tert-Butyl Alcohol	3.239	59	2907m	3.272 ug/l		
25) Methyl tert-Butyl Ether	3.358	73	13096	0.610 ug/l		95
26) Bromochloromethane	4.975	128	3692	0.868 ug/l		88
27) Chloroform	5.084	83	14743	0.836 ug/l		99
28) 1,1,1-Trichloroethane	5.309	97	11580	0.790 ug/l		98
29) 1,1-Dichloropropene	5.528	75	8172	0.696 ug/l		99
30) Carbon Tetrachloride	5.518	117	10129	0.848 ug/l		97
31) Isopropyl Ether	3.988	45	14935	0.567 ug/l		67
32) Ethyl-t-butyl ether	4.496	59	14172	0.556 ug/l		91
33) Tert-Amyl methyl ether	5.936	73	12892	0.713 ug/l		98
34) Propionitrile	4.843	54	1996m	2.177 ug/l		
35) Benzene	5.772	78	29453	0.814 ug/l		98
36) 1,2-Dichloroethane	5.792	62	8062	0.802 ug/l		96
37) Trichloroethene	6.538	130	7578	0.846 ug/l		98
38) 1,2-Dichloropropane	6.785	63	7886	0.806 ug/l		97
39) Methacrylonitrile	4.994	41	1228m	0.370 ug/l		
40) Methyl acrylate	4.901	55	2663m	0.458 ug/l		
41) Tetrahydrofuran	5.071	42	1493m	0.826 ug/l		
42) 1-Chlorobutane	5.454	56	11193	0.691 ug/l		99
43) Dibromomethane	6.917	93	3940	0.796 ug/l		97
44) Bromodichloromethane	7.100	83	10252	0.862 ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	14993	3.225	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	3489m	1.339	ug/l	
47) Methyl methacrylate	6.965	69	5148	1.281	ug/l #	91
48) Ethyl methacrylate	8.335	69	4590	0.673	ug/l	99
49) Toluene	7.968	92	15391	0.767	ug/l	99
50) t-1,3-Dichloropropene	8.213	75	7630	0.777	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	9267	0.785	ug/l	94
52) 1,1,2-Trichloroethane	8.399	97	6120	0.842	ug/l	90
53) 1,3-Dichloropropane	8.570	76	9081	0.783	ug/l	99
54) 2-Hexanone	8.689	43	10553m	2.929	ug/l	
55) Dibromochloromethane	8.808	129	6951	0.872	ug/l	99
56) 1,2-Dibromoethane	8.923	107	5148	0.790	ug/l	98
58) Tetrachloroethene	8.547	164	6739	0.842	ug/l	94
59) Chlorobenzene	9.444	112	18068	0.832	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.528	131	7263	0.849	ug/l	97
61) Pentachloroethane	11.422	117	5944	0.813	ug/l	99
62) Hexachloroethane	12.467	117	5635	0.798	ug/l	97
63) Ethyl Benzene	9.566	91	25129	1.069	ug/l	96
64) m/p-Xylenes	9.692	106	18439	1.946	ug/l	97
65) o-Xylene	10.094	106	9331	1.005	ug/l	97
66) Styrene	10.113	104	14861	0.991	ug/l	97
67) Bromoform	10.287	173	4167	0.892	ug/l #	93
69) Isopropylbenzene	10.480	105	22720	1.003	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.775	83	7332	0.758	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	5371m	0.750	ug/l	
72) Bromobenzene	10.779	156	7680	0.861	ug/l	93
73) n-propylbenzene	10.901	120	6778	1.037	ug/l	93
74) 2-Chlorotoluene	10.981	126	6809	0.950	ug/l	90
75) 1,3,5-Trimethylbenzene	11.084	105	18600	0.943	ug/l	98
76) 4-Chlorotoluene	11.097	126	5972	0.866	ug/l	96
77) tert-Butylbenzene	11.412	119	21453	1.039	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	19336	0.979	ug/l	99
79) sec-Butylbenzene	11.637	105	26420	0.985	ug/l	100
80) Nitrobenzene	13.235	77	814m	1.916	ug/l	
81) p-Isopropyltoluene	11.788	119	19664	0.994	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	15399	0.827	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	14947	0.809	ug/l	98
84) n-Butylbenzene	12.206	91	19299	0.992	ug/l	96
85) 1,2-Dichlorobenzene	12.206	146	14705	0.817	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1001	0.714	ug/l	81
87) 1,2,4-Trichlorobenzene	13.840	180	7738	0.752	ug/l	94
88) Hexachlorobutadiene	14.013	225	5355	0.804	ug/l	98
89) Naphthalene	14.090	128	9523	0.523	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.325	180	6758	0.672	ug/l	96

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

