

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070622\
 Data File : VU049642.D
 Acq On : 06 Jul 2022 18:35
 Operator : SY/MD
 Sample : VU0706WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0706WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 07:21:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 07 07:00:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	52046	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18675	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	18331	1.044	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	31473	1.579	ug/l	98
3) Chloromethane	1.523	50	42301	2.075	ug/l	97
4) Vinyl Chloride	1.604	62	33037	1.777	ug/l	97
5) Bromomethane	1.858	94	15578	1.607	ug/l	93
6) Chloroethane	1.935	64	19098	1.835	ug/l	99
7) Trichlorofluoromethane	2.138	101	37615	1.688	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	19377	1.655	ug/l	96
9) 1,1-Dichloroethene	2.581	96	21118	1.790	ug/l	97
10) Iodomethane	2.723	142	18417	1.230	ug/l	98
11) Allyl Chloride	2.922	41	37840	1.880	ug/l	95
12) Acrylonitrile	3.321	53	12625	4.002	ug/l	97
13) Acetone	2.639	43	26811	11.695	ug/l	98
14) Carbon Disulfide	2.790	76	69607	1.791	ug/l	100
15) Methylene Chloride	3.044	84	34109	2.308	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	24159	1.949	ug/l	93
17) 1,1-Dichloroethane	3.867	63	50277	1.962	ug/l	99
18) 2-Butanone	4.726	43	42307	10.554	ug/l	97
19) Cyclohexane	5.385	56	38327m	1.565	ug/l	
20) Methylcyclohexane	6.761	83	36340	1.505	ug/l	100
21) 2,2-Dichloropropane	4.665	77	33956	1.619	ug/l	99
22) cis-1,2-Dichloroethene	4.668	96	29589	1.936	ug/l	99
23) Diethyl Ether	2.379	59	19734	1.963	ug/l	97
24) tert-Butyl Alcohol	3.228	59	27406	23.895	ug/l #	87
25) Methyl tert-Butyl Ether	3.372	73	66090	2.003	ug/l	94
26) Bromochloromethane	4.977	128	13522	2.102	ug/l	99
27) Chloroform	5.089	83	50857	2.017	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	40670	1.829	ug/l	99
29) 1,1-Dichloropropene	5.526	75	35455	1.785	ug/l	99
30) Carbon Tetrachloride	5.520	117	33484	1.788	ug/l	99
31) Isopropyl Ether	4.002	45	86684	1.972	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	81110	1.950	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	68699	1.899	ug/l	98
34) Propionitrile	4.797	54	13066	10.738	ug/l #	93
35) Benzene	5.774	78	110597	1.954	ug/l	100
36) 1,2-Dichloroethane	5.797	62	33705	2.095	ug/l	97
37) Trichloroethene	6.543	130	27060	1.892	ug/l	98
38) 1,2-Dichloropropane	6.793	63	29888	1.995	ug/l	99
39) Methacrylonitrile	4.983	41	10681	2.049	ug/l	99
40) Methyl acrylate	4.861	55	14876	1.822	ug/l #	98
41) Tetrahydrofuran	5.070	42	12487	4.321	ug/l	97
42) 1-Chlorobutane	5.459	56	49668	1.783	ug/l	96
43) Dibromomethane	6.922	93	15510	2.078	ug/l	98
44) Bromodichloromethane	7.108	83	35474	1.983	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	102708	10.137	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	12768m	3.872	ug/l	
47) Methyl methacrylate	6.964	69	30190	4.011	ug/l	99
48) Ethyl methacrylate	8.337	69	29766	1.971	ug/l	98
49) Toluene	7.970	92	65996	1.910	ug/l	100
50) t-1,3-Dichloropropene	8.211	75	32925	1.905	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	39616	1.934	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	22184	2.153	ug/l	96
53) 1,3-Dichloropropane	8.578	76	37388	2.022	ug/l	98
54) 2-Hexanone	8.690	43	73910	10.503	ug/l	96
55) Dibromochloromethane	8.809	129	23144	1.967	ug/l	99
56) 1,2-Dibromoethane	8.925	107	20236	2.028	ug/l	99
58) Tetrachloroethene	8.552	164	21577	1.814	ug/l	98
59) Chlorobenzene	9.446	112	70959	1.963	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	25224	1.961	ug/l	98
61) Pentachloroethane	11.427	117	18997	1.924	ug/l	98
62) Hexachloroethane	12.475	117	18372	1.858	ug/l	98
63) Ethyl Benzene	9.571	91	123140	1.892	ug/l	96
64) m/p-Xylenes	9.694	106	91014	3.781	ug/l	99
65) o-Xylene	10.102	106	44946	1.900	ug/l	99
66) Styrene	10.115	104	74420	1.958	ug/l	99
67) Bromoform	10.292	173	13353	1.988	ug/l	99
69) Isopropylbenzene	10.484	105	116939	1.851	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.784	83	27696	2.069	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	22146m	1.999	ug/l	
72) Bromobenzene	10.784	156	29315	2.059	ug/l	96
73) n-propylbenzene	10.906	120	29336	1.840	ug/l	95
74) 2-Chlorotoluene	10.986	126	28290	1.990	ug/l	100
75) 1,3,5-Trimethylbenzene	11.089	105	100936	1.911	ug/l	99
76) 4-Chlorotoluene	11.099	126	27627	1.937	ug/l	93
77) tert-Butylbenzene	11.420	119	96583	1.857	ug/l	100
78) 1,2,4-Trimethylbenzene	11.468	105	103441	1.951	ug/l	100
79) sec-Butylbenzene	11.642	105	124113	1.819	ug/l	100
80) Nitrobenzene	13.208	77	5016	9.161	ug/l	98
81) p-Isopropyltoluene	11.793	119	100153	1.810	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	55690	2.022	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	56317	2.026	ug/l	99
84) n-Butylbenzene	12.208	91	94418	1.832	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	55274	2.071	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	4842	2.074	ug/l	93
87) 1,2,4-Trichlorobenzene	13.841	180	37110	2.061	ug/l	98
88) Hexachlorobutadiene	14.021	225	16747	1.825	ug/l	99
89) Naphthalene	14.089	128	76194	2.019	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	35330	2.055	ug/l	99

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

