

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040622\
 Data File : VU047840.D
 Acq On : 06 Apr 2022 20:16
 Operator : SY/MD
 Sample : VU0406WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0406WBS01

Quant Time: Apr 07 06:40:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U040622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 07 06:19:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	49405	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	16806	0.941	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21506	0.997	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	36695	2.085	ug/l	98
3) Chloromethane	1.527	50	39851	2.023	ug/l	100
4) Vinyl Chloride	1.607	62	36565	2.098	ug/l	98
5) Bromomethane	1.861	94	22649	2.057	ug/l	95
6) Chloroethane	1.938	64	22541	2.081	ug/l	95
7) Trichlorofluoromethane	2.144	101	47629	2.045	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	28191	2.097	ug/l	98
9) 1,1-Dichloroethene	2.584	96	28340	2.121	ug/l	96
10) Iodomethane	2.726	142	19284	2.106	ug/l	99
11) Allyl Chloride	2.929	41	38128	2.081	ug/l	97
12) Acrylonitrile	3.327	53	13487	4.011	ug/l	96
13) Acetone	2.646	43	25185	9.435	ug/l	97
14) Carbon Disulfide	2.797	76	85830	2.031	ug/l	100
15) Methylene Chloride	3.051	84	34503	1.805	ug/l	96
16) trans-1,2-Dichloroethene	3.356	96	29857	2.042	ug/l	96
17) 1,1-Dichloroethane	3.874	63	49522	2.063	ug/l	99
18) 2-Butanone	4.726	43	34268	9.632	ug/l	99
19) Cyclohexane	5.391	56	33820m	1.862	ug/l	
20) Methylcyclohexane	6.764	83	36026	1.778	ug/l	97
21) 2,2-Dichloropropane	4.671	77	37460	1.902	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	30378	2.017	ug/l	98
23) Diethyl Ether	2.382	59	20407	2.049	ug/l	99
24) tert-Butyl Alcohol	3.244	59	26013	23.475	ug/l #	81
25) Methyl tert-Butyl Ether	3.372	73	69021	2.076	ug/l	100
26) Bromochloromethane	4.980	128	15312	2.044	ug/l	99
27) Chloroform	5.092	83	53179	2.084	ug/l	100
28) 1,1,1-Trichloroethane	5.317	97	44237	2.049	ug/l	99
29) 1,1-Dichloropropene	5.530	75	35522	1.946	ug/l	99
30) Carbon Tetrachloride	5.526	117	37909	2.018	ug/l	99
31) Isopropyl Ether	4.002	45	64244	1.932	ug/l	94
32) Ethyl-t-butyl ether	4.514	59	62036	1.925	ug/l	99
33) Tert-Amyl methyl ether	5.948	73	55232	1.894	ug/l	98
34) Propionitrile	4.800	54	12179	10.629	ug/l #	89
35) Benzene	5.777	78	111025	2.036	ug/l	99
36) 1,2-Dichloroethane	5.800	62	33499	2.087	ug/l	99
37) Trichloroethene	6.546	130	30912	1.953	ug/l	99
38) 1,2-Dichloropropane	6.793	63	28433	2.050	ug/l	100
39) Methacrylonitrile	4.983	41	7792	1.911	ug/l	96
40) Methyl acrylate	4.858	55	13017m	1.955	ug/l	
41) Tetrahydrofuran	5.070	42	8659	3.765	ug/l	99
42) 1-Chlorobutane	5.462	56	46952	1.994	ug/l	95
43) Dibromomethane	6.922	93	16515	2.073	ug/l	98
44) Bromodichloromethane	7.108	83	38327	2.080	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	76389	9.349	ug/l	99
46) t-1,4-Dichloro-2-butene	10.832	75	16411m	4.252	ug/l	
47) Methyl methacrylate	6.967	69	23761	3.721	ug/l	97
48) Ethyl methacrylate	8.337	69	20569	1.749	ug/l	99
49) Toluene	7.970	92	64599	1.947	ug/l	96
50) t-1,3-Dichloropropene	8.214	75	30746	1.889	ug/l	97
51) cis-1,3-Dichloropropene	7.610	75	36803	1.965	ug/l	99
52) 1,1,2-Trichloroethane	8.404	97	23583	2.095	ug/l	97
53) 1,3-Dichloropropane	8.578	76	37140	2.013	ug/l	98
54) 2-Hexanone	8.690	43	54965	9.355	ug/l	96
55) Dibromochloromethane	8.813	129	26397	1.967	ug/l	95
56) 1,2-Dibromoethane	8.925	107	21054	1.959	ug/l	99
58) Tetrachloroethene	8.555	164	28412	2.003	ug/l	96
59) Chlorobenzene	9.449	112	75805	1.941	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	27728	2.001	ug/l	97
61) Pentachloroethane	11.427	117	23450	2.031	ug/l	94
62) Hexachloroethane	12.478	117	20532	1.951	ug/l	98
63) Ethyl Benzene	9.571	91	111473	1.851	ug/l	99
64) m/p-Xylenes	9.697	106	89183	3.719	ug/l	100
65) o-Xylene	10.102	106	44082	1.924	ug/l	95
66) Styrene	10.115	104	71498	1.843	ug/l	97
67) Bromoform	10.292	173	17249	2.022	ug/l	100
69) Isopropylbenzene	10.484	105	112570	1.877	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	28215	1.941	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	24576m	2.224	ug/l	
72) Bromobenzene	10.783	156	35490	1.972	ug/l	100
73) n-propylbenzene	10.906	120	31774	1.856	ug/l	98
74) 2-Chlorotoluene	10.986	126	32172	1.987	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	96934	1.904	ug/l	98
76) 4-Chlorotoluene	11.099	126	33618	1.965	ug/l	97
77) tert-Butylbenzene	11.420	119	97171	1.882	ug/l	100
78) 1,2,4-Trimethylbenzene	11.468	105	98132	1.881	ug/l	99
79) sec-Butylbenzene	11.645	105	127355	1.885	ug/l	99
80) Nitrobenzene	13.217	77	5134	9.326	ug/l #	96
81) p-Isopropyltoluene	11.793	119	105732	1.870	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	71076	1.968	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	71416	1.976	ug/l	99
84) n-Butylbenzene	12.211	91	94547	1.754	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	67843	1.979	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	4352	1.880	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	43653	1.751	ug/l	98
88) Hexachlorobutadiene	14.025	225	28193	1.907	ug/l	99
89) Naphthalene	14.089	128	60401	1.733	ug/l	98
90) 1,2,3-Trichlorobenzene	14.333	180	40261	1.741	ug/l	99

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

