

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060221\
 Data File : VU044026.D
 Acq On : 02 Jun 2021 17:34
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

SAM
 6/3/2021 5:46:53 PM

Quant Time: Jun 03 05:55:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060221DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 03 05:52:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	17383	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.642	95	5615	0.756	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	6529	0.835	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.391	85	6524	0.946	ug/l	98
3) Chloromethane	1.526	50	7588	1.137	ug/l	99
4) Vinyl Chloride	1.610	62	6721	1.049	ug/l	97
5) Bromomethane	1.864	94	4269	1.053	ug/l	97
6) Chloroethane	1.941	64	4214	1.000	ug/l	100
7) Trichlorofluoromethane	2.147	101	7515	0.738	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	4321	0.825	ug/l	98
9) 1,1-Dichloroethene	2.588	96	4141	0.903	ug/l	98
10) Iodomethane	2.732	142	4674	0.667	ug/l	98
11) Allyl Chloride	2.932	41	6762	0.789	ug/l	96
12) Acrylonitrile	3.330	53	1615	1.279	ug/l	99
13) Acetone	2.642	43	2444	2.542	ug/l	93
14) Carbon Disulfide	2.800	76	14369	0.984	ug/l	99
15) Methylene Chloride	3.057	84	6511	1.167	ug/l	95
16) trans-1,2-Dichloroethene	3.362	96	4501	0.906	ug/l	98
17) 1,1-Dichloroethane	3.880	63	9023	0.892	ug/l	99
18) 2-Butanone	4.739	43	5177	2.901	ug/l	94
19) Cyclohexane	5.388	56	8223m	0.934	ug/l	
20) Methylcyclohexane	6.767	83	5789	0.761	ug/l	89
21) 2,2-Dichloropropane	4.674	77	7302	0.805	ug/l	98
22) cis-1,2-Dichloroethene	4.677	96	4851	0.868	ug/l	94
23) Diethyl Ether	2.388	59	3327	0.862	ug/l	97
24) tert-Butyl Alcohol	3.205	59	4291m	16.383	ug/l	
25) Methyl tert-Butyl Ether	3.382	73	10308	0.771	ug/l	# 91
26) Bromochloromethane	4.986	128	1878	0.722	ug/l	88
27) Chloroform	5.102	83	8839	0.846	ug/l	95
28) 1,1,1-Trichloroethane	5.324	97	7457	0.797	ug/l	99
29) 1,1-Dichloropropene	5.533	75	6615	0.959	ug/l	99
30) Carbon Tetrachloride	5.526	117	6167	0.837	ug/l	98
31) Isopropyl Ether	4.015	45	14465	0.813	ug/l	98
32) Ethyl-t-butyl ether	4.526	59	12613	0.794	ug/l	99
33) Tert-Amyl methyl ether	5.964	73	8886	0.762	ug/l	98
34) Propionitrile	4.803	54	1228	3.089	ug/l	# 81
35) Benzene	5.784	78	19574	1.004	ug/l	99
36) 1,2-Dichloroethane	5.809	62	5750	0.796	ug/l	# 95
37) Trichloroethene	6.552	130	4421	0.870	ug/l	99
38) 1,2-Dichloropropane	6.803	63	5063	0.915	ug/l	96
39) Methacrylonitrile	4.993	41	1536	0.612	ug/l	# 91
40) Methyl acrylate	4.867	55	2777	0.828	ug/l	# 87
41) Tetrahydrofuran	5.086	42	1531	1.208	ug/l	91
42) 1-Chlorobutane	5.465	56	9795	0.964	ug/l	99
43) Dibromomethane	6.931	93	2553	0.868	ug/l	99
44) Bromodichloromethane	7.118	83	6413	0.917	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.816	43	12889	3.037	ug/l	94
46) t-1,4-Dichloro-2-butene	10.841	75	2482m	1.786	ug/l	
47) Methyl methacrylate	6.980	69	4063	1.563	ug/l	97
48) Ethyl methacrylate	8.349	69	3488	0.685	ug/l	98
49) Toluene	7.976	92	9642	0.811	ug/l	98
50) t-1,3-Dichloropropene	8.221	75	5220	0.839	ug/l	100
51) cis-1,3-Dichloropropene	7.620	75	5942	0.848	ug/l	100
52) 1,1,2-Trichloroethane	8.414	97	3522	0.854	ug/l	97
53) 1,3-Dichloropropane	8.587	76	6181	0.868	ug/l	99
54) 2-Hexanone	8.709	43	8827	2.932	ug/l	90
55) Dibromochloromethane	8.819	129	3990	0.832	ug/l	98
56) 1,2-Dibromoethane	8.935	107	3095	0.770	ug/l	96
58) Tetrachloroethene	8.558	164	4192	0.771	ug/l	95
59) Chlorobenzene	9.455	112	10783	0.817	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.545	131	4090	0.802	ug/l	94
61) Pentachloroethane	11.436	117	3346	0.851	ug/l	98
62) Hexachloroethane	12.484	117	3074	0.763	ug/l	93
63) Ethyl Benzene	9.578	91	15579	0.692	ug/l	98
64) m/p-Xylenes	9.703	106	11868	1.359	ug/l	99
65) o-Xylene	10.108	106	5663	0.675	ug/l	94
66) Styrene	10.121	104	9721	0.676	ug/l	98
67) Bromoform	10.301	173	2142	0.709	ug/l #	97
69) Isopropylbenzene	10.491	105	14923	0.658	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.793	83	4751	0.884	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	3576m	0.845	ug/l	
72) Bromobenzene	10.790	156	4253	0.684	ug/l	97
73) n-propylbenzene	10.912	120	4009	0.630	ug/l	87
74) 2-Chlorotoluene	10.992	126	3753	0.653	ug/l	88
75) 1,3,5-Trimethylbenzene	11.095	105	12928	0.639	ug/l	99
76) 4-Chlorotoluene	11.105	126	4278	0.704	ug/l	99
77) tert-Butylbenzene	11.426	119	13492	0.678	ug/l	96
78) 1,2,4-Trimethylbenzene	11.475	105	12725	0.609	ug/l	97
79) sec-Butylbenzene	11.651	105	17969	0.664	ug/l	100
80) Nitrobenzene	13.221	77	561	3.878	ug/l #	69
81) p-Isopropyltoluene	11.799	119	13951	0.615	ug/l	99
82) 1,3-Dichlorobenzene	11.754	146	9643	0.772	ug/l	99
83) 1,4-Dichlorobenzene	11.844	146	9370	0.747	ug/l	99
84) n-Butylbenzene	12.217	91	14304	0.657	ug/l	96
85) 1,2-Dichlorobenzene	12.221	146	8982	0.736	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	678	0.703	ug/l	90
87) 1,2,4-Trichlorobenzene	13.848	180	5139	0.642	ug/l	97
88) Hexachlorobutadiene	14.028	225	3488	0.650	ug/l	95
89) Naphthalene	14.095	128	7990	0.608	ug/l	98
90) 1,2,3-Trichlorobenzene	14.339	180	4566	0.597	ug/l	97

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

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