

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053020.D
 Acq On : 09 Feb 2023 15:55
 Operator : JC/MD
 Sample : VU0209WBS02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0209WBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 10 01:21:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.109	96	33850	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	12372	1.099	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	10514	0.908	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	16505	1.441	ug/l	97
3) Chloromethane	1.518	50	17649	1.624	ug/l	100
4) Vinyl Chloride	1.605	62	19606	1.868	ug/l	96
5) Bromomethane	1.859	94	10340	1.896	ug/l	90
6) Chloroethane	1.933	64	11551	1.830	ug/l	98
7) Trichlorofluoromethane	2.135	101	30502	1.995	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	16655	1.992	ug/l	91
9) 1,1-Dichloroethene	2.576	96	15658	1.982	ug/l	94
10) Iodomethane	2.717	142	17578	2.010	ug/l	95
11) Allyl Chloride	2.916	41	20451	2.167	ug/l	98
12) Acrylonitrile	3.331	53	7737	4.620	ug/l	98
13) Acetone	2.662	43	15558	6.550	ug/l	93
14) Carbon Disulfide	2.788	76	45586	1.723	ug/l	99
15) Methylene Chloride	3.042	84	18563	1.946	ug/l	98
16) trans-1,2-Dichloroethene	3.344	96	15774	1.795	ug/l	92
17) 1,1-Dichloroethane	3.862	63	32934	2.219	ug/l	97
18) 2-Butanone	4.736	43	24330	8.817	ug/l	92
19) Cyclohexane	5.379	56	21603	1.655	ug/l	95
20) Methylcyclohexane	6.756	83	27850	1.913	ug/l	93
21) 2,2-Dichloropropane	4.659	77	29252	2.122	ug/l	97
22) cis-1,2-Dichloroethene	4.659	96	18798	2.047	ug/l	93
23) Diethyl Ether	2.373	59	13285	2.379	ug/l	97
24) tert-Butyl Alcohol	3.344	59	2991m	4.449	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	43021	2.374	ug/l	100
26) Bromochloromethane	4.968	128	6562	1.530	ug/l	83
27) Chloroform	5.084	83	29420	1.850	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	24513	1.669	ug/l	96
29) 1,1-Dichloropropene	5.518	75	21180	1.710	ug/l	99
30) Carbon Tetrachloride	5.518	117	20831	1.563	ug/l	96
31) Isopropyl Ether	3.994	45	48168	2.258	ug/l	94
32) Ethyl-t-butyl ether	4.505	59	50350	2.528	ug/l	95
33) Tert-Amyl methyl ether	5.945	73	39139	2.222	ug/l	96
34) Propionitrile	4.807	54	7908m	12.516	ug/l	
35) Benzene	5.768	78	59424	1.654	ug/l	98
36) 1,2-Dichloroethane	5.791	62	18074	1.675	ug/l	99
37) Trichloroethene	6.540	130	14947	1.526	ug/l	88
38) 1,2-Dichloropropane	6.788	63	16339	1.792	ug/l	98
39) Methacrylonitrile	4.977	41	4479	1.775	ug/l	90
40) Methyl acrylate	4.852	55	9192	2.055	ug/l	# 91
41) Tetrahydrofuran	5.080	42	4767	3.798	ug/l	95
42) 1-Chlorobutane	5.450	56	28567	1.804	ug/l	95
43) Dibromomethane	6.916	93	7853	1.702	ug/l	# 85
44) Bromodichloromethane	7.103	83	21433	1.712	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	46525	9.594	ug/l	96
46) t-1,4-Dichloro-2-butene	10.826	75	11553m	4.544	ug/l	
47) Methyl methacrylate	6.968	69	16646	4.058	ug/l	95
48) Ethyl methacrylate	8.334	69	16595	2.232	ug/l	99
49) Toluene	7.964	92	36855	1.689	ug/l	91
50) t-1,3-Dichloropropene	8.209	75	21426	1.962	ug/l	93
51) cis-1,3-Dichloropropene	7.604	75	25436	1.980	ug/l	97
52) 1,1,2-Trichloroethane	8.399	97	11803	1.799	ug/l	95
53) 1,3-Dichloropropane	8.572	76	20206	1.781	ug/l	99
54) 2-Hexanone	8.694	43	33543	7.907	ug/l	94
55) Dibromochloromethane	8.807	129	13676	1.593	ug/l	98
56) 1,2-Dibromoethane	8.923	107	10870	1.740	ug/l	98
58) Tetrachloroethene	8.550	164	11737	1.328	ug/l	92
59) Chlorobenzene	9.444	112	41526	1.749	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	14206	1.546	ug/l	93
61) Pentachloroethane	11.424	117	12009	1.595	ug/l	90
62) Hexachloroethane	12.472	117	12571	1.653	ug/l	83
63) Ethyl Benzene	9.566	91	73936	1.922	ug/l	100
64) m/p-Xylenes	9.691	106	54338	3.543	ug/l	93
65) o-Xylene	10.096	106	28325	1.914	ug/l	96
66) Styrene	10.112	104	42375	1.843	ug/l	92
67) Bromoform	10.289	173	7381	1.457	ug/l #	98
69) Isopropylbenzene	10.479	105	73647	1.956	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	16494	2.016	ug/l	99
71) 1,2,3-Trichloropropane	10.823	75	8901m	1.257	ug/l	
72) Bromobenzene	10.781	156	14557	1.522	ug/l	80
73) n-propylbenzene	10.903	120	18387	1.824	ug/l	86
74) 2-Chlorotoluene	10.984	126	16227	1.706	ug/l	83
75) 1,3,5-Trimethylbenzene	11.083	105	59911	1.904	ug/l	93
76) 4-Chlorotoluene	11.093	126	16260	1.666	ug/l	86
77) tert-Butylbenzene	11.414	119	59286	1.811	ug/l	92
78) 1,2,4-Trimethylbenzene	11.463	105	62256	1.956	ug/l	92
79) sec-Butylbenzene	11.640	105	78680	1.912	ug/l	95
80) Nitrobenzene	13.209	77	5586	11.032	ug/l	90
81) p-Isopropyltoluene	11.787	119	61013	1.802	ug/l #	95
82) 1,3-Dichlorobenzene	11.742	146	30175	1.545	ug/l	96
83) 1,4-Dichlorobenzene	11.832	146	28869	1.473	ug/l #	93
84) n-Butylbenzene	12.202	91	59977	2.017	ug/l	94
85) 1,2-Dichlorobenzene	12.209	146	29131	1.581	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.993	75	2791	1.842	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.836	180	17378	1.572	ug/l	95
88) Hexachlorobutadiene	14.016	225	9081	1.172	ug/l	97
89) Naphthalene	14.083	128	37922	1.770	ug/l	100
90) 1,2,3-Trichlorobenzene	14.324	180	16280	1.552	ug/l	97

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

