

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012323\
 Data File : VU052772.D
 Acq On : 23 Jan 2023 11:52
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/24/2023

Quant Time: Jan 24 04:33:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 04:32:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	42907	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	13661	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	13783	0.757	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	12658	0.831	ug/l	95
3) Chloromethane	1.520	50	13066	0.788	ug/l	98
4) Vinyl Chloride	1.604	62	12129	0.814	ug/l	99
5) Bromomethane	1.858	94	6141	0.671	ug/l	94
6) Chloroethane	1.932	64	6593	0.719	ug/l	98
7) Trichlorofluoromethane	2.137	101	17181	0.853	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	9262	0.805	ug/l	100
9) 1,1-Dichloroethene	2.578	96	8531	0.749	ug/l	95
10) Iodomethane	2.719	142	8659	1.002	ug/l	89
11) Allyl Chloride	2.922	41	10384	0.675	ug/l	95
12) Acrylonitrile	3.321	53	3675	1.301	ug/l	98
13) Acetone	2.639	43	13435	5.519	ug/l	90
14) Carbon Disulfide	2.790	76	30502	0.838	ug/l	99
15) Methylene Chloride	3.041	84	11347	0.628	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	9660	0.771	ug/l	93
17) 1,1-Dichloroethane	3.864	63	16549	0.804	ug/l	97
18) 2-Butanone	4.723	43	15143	4.825	ug/l	99
19) Cyclohexane	5.382	56	15095m	0.958	ug/l	
20) Methylcyclohexane	6.755	83	15492	0.870	ug/l	96
21) 2,2-Dichloropropane	4.661	77	15719	0.919	ug/l	97
22) cis-1,2-Dichloroethene	4.665	96	10215	0.798	ug/l	96
23) Diethyl Ether	2.375	59	6304	0.745	ug/l	95
24) tert-Butyl Alcohol	3.234	59	7781m	8.462	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	20402	0.728	ug/l	99
26) Bromochloromethane	4.973	128	4990	0.789	ug/l	86
27) Chloroform	5.083	83	18167	0.831	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	16143	0.861	ug/l	98
29) 1,1-Dichloropropene	5.523	75	13758	0.872	ug/l	98
30) Carbon Tetrachloride	5.520	117	14670	0.890	ug/l	94
31) Isopropyl Ether	3.996	45	23758	0.835	ug/l	99
32) Ethyl-t-butyl ether	4.507	59	21875	0.795	ug/l	97
33) Tert-Amyl methyl ether	5.944	73	19031	0.768	ug/l	99
34) Propionitrile	4.793	54	3468	3.590	ug/l #	8
35) Benzene	5.767	78	39847	0.845	ug/l	99
36) 1,2-Dichloroethane	5.793	62	12036	0.865	ug/l	97
37) Trichloroethene	6.539	130	10462	0.770	ug/l	92
38) 1,2-Dichloropropane	6.787	63	10331	0.861	ug/l	93
39) Methacrylonitrile	4.976	41	2945	0.850	ug/l	96
40) Methyl acrylate	4.848	55	4771	0.829	ug/l #	96
41) Tetrahydrofuran	5.067	42	2956	1.531	ug/l #	85
42) 1-Chlorobutane	5.456	56	17279	0.854	ug/l	94
43) Dibromomethane	6.919	93	4927	0.730	ug/l	98
44) Bromodichloromethane	7.105	83	13862	0.868	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	25349	3.634	ug/l	97
46) t-1,4-Dichloro-2-butene	10.825	75	5571m	1.678	ug/l	
47) Methyl methacrylate	6.964	69	8501	1.539	ug/l	100
48) Ethyl methacrylate	8.336	69	7189	0.708	ug/l	98
49) Toluene	7.967	92	23540	0.823	ug/l	97
50) t-1,3-Dichloropropene	8.208	75	11944	0.845	ug/l	96
51) cis-1,3-Dichloropropene	7.603	75	13874	0.852	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	7317	0.764	ug/l	94
53) 1,3-Dichloropropane	8.574	76	12730	0.802	ug/l	96
54) 2-Hexanone	8.687	43	21036	4.065	ug/l	98
55) Dibromochloromethane	8.809	129	9319	0.807	ug/l	95
56) 1,2-Dibromoethane	8.922	107	6998	0.768	ug/l	96
58) Tetrachloroethene	8.549	164	9914	0.815	ug/l	96
59) Chlorobenzene	9.443	112	25361	0.759	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.529	131	10249	0.858	ug/l	97
61) Pentachloroethane	11.423	117	8493	0.851	ug/l	98
62) Hexachloroethane	12.471	117	8298	0.896	ug/l	97
63) Ethyl Benzene	9.568	91	38389	0.740	ug/l	99
64) m/p-Xylenes	9.690	106	30393	1.468	ug/l	100
65) o-Xylene	10.098	106	14501	0.732	ug/l	99
66) Styrene	10.111	104	22491	0.679	ug/l	98
67) Bromoform	10.288	173	5667	0.786	ug/l #	96
69) Isopropylbenzene	10.481	105	36483	0.708	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	8756	0.711	ug/l	94
71) 1,2,3-Trichloropropane	10.825	75	7273m	0.751	ug/l	
72) Bromobenzene	10.780	156	10072	0.667	ug/l	98
73) n-propylbenzene	10.902	120	10039	0.686	ug/l	97
74) 2-Chlorotoluene	10.983	126	9826	0.713	ug/l	95
75) 1,3,5-Trimethylbenzene	11.086	105	30863	0.704	ug/l	98
76) 4-Chlorotoluene	11.095	126	9511	0.656	ug/l	97
77) tert-Butylbenzene	11.417	119	32555	0.732	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	30049	0.670	ug/l	99
79) sec-Butylbenzene	11.642	105	40395	0.696	ug/l	98
80) Nitrobenzene	13.208	77	2962	5.857	ug/l #	91
81) p-Isopropyltoluene	11.790	119	32494	0.668	ug/l	95
82) 1,3-Dichlorobenzene	11.742	146	19688	0.646	ug/l	97
83) 1,4-Dichlorobenzene	11.832	146	19661	0.643	ug/l	98
84) n-Butylbenzene	12.205	91	29098	0.635	ug/l	96
85) 1,2-Dichlorobenzene	12.208	146	18683	0.646	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.989	75	1607	0.806	ug/l	91
87) 1,2,4-Trichlorobenzene	13.838	180	10781	0.527	ug/l	99
88) Hexachlorobutadiene	14.018	225	8034	0.651	ug/l	94
89) Naphthalene	14.085	128	25156	0.782	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	10316	0.542	ug/l	95

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

