

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
 Data File : VU052870.D
 Acq On : 30 Jan 2023 19:44
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

Quant Time: Jan 31 13:21:57 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	6.108	96	34667	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12274	1.064	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12941	1.091	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	99119	8.448	ug/l	98
3) Chloromethane	1.520	50	66491	5.972	ug/l	99
4) Vinyl Chloride	1.604	62	74419	6.922	ug/l	99
5) Bromomethane	1.858	94	53642	9.602	ug/l	96
6) Chloroethane	1.935	64	60392	9.340	ug/l	100
7) Trichlorofluoromethane	2.138	101	166474	10.630	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	96316	11.249	ug/l	99
9) 1,1-Dichloroethene	2.578	96	86764	10.725	ug/l	98
10) Iodomethane	2.720	142	112829	12.600	ug/l	96
11) Allyl Chloride	2.922	41	108099	11.183	ug/l	99
12) Acrylonitrile	3.321	53	39946	23.290	ug/l	97
13) Acetone	2.646	43	110409	45.389	ug/l	93
14) Carbon Disulfide	2.790	76	241301	8.904	ug/l	98
15) Methylene Chloride	3.041	84	111880	11.451	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	95884	10.654	ug/l	99
17) 1,1-Dichloroethane	3.864	63	174528	11.484	ug/l	99
18) 2-Butanone	4.723	43	134466	47.580	ug/l	97
19) Cyclohexane	5.382	56	123573	9.246	ug/l	93
20) Methylcyclohexane	6.758	83	137806	9.242	ug/l	99
21) 2,2-Dichloropropane	4.662	77	156616	11.096	ug/l	98
22) cis-1,2-Dichloroethene	4.662	96	104229	11.080	ug/l	99
23) Diethyl Ether	2.375	59	63617	11.125	ug/l	98
24) tert-Butyl Alcohol	3.269	59	87641m	127.278	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	218620	11.781	ug/l	97
26) Bromochloromethane	4.970	128	47092	10.723	ug/l	99
27) Chloroform	5.083	83	196048	12.034	ug/l	96
28) 1,1,1-Trichloroethane	5.311	97	180666	12.010	ug/l	98
29) 1,1-Dichloropropene	5.520	75	127436	10.047	ug/l	99
30) Carbon Tetrachloride	5.517	117	155410	11.385	ug/l	99
31) Isopropyl Ether	3.993	45	242399	11.096	ug/l	95
32) Ethyl-t-butyl ether	4.507	59	244633	11.994	ug/l	99
33) Tert-Amyl methyl ether	5.944	73	197177	10.932	ug/l	99
34) Propionitrile	4.800	54	40526	62.631	ug/l	# 5
35) Benzene	5.768	78	372326	10.117	ug/l	98
36) 1,2-Dichloroethane	5.793	62	120446	10.896	ug/l	98
37) Trichloroethene	6.539	130	97792	9.747	ug/l	96
38) 1,2-Dichloropropane	6.790	63	97587	10.452	ug/l	98
39) Methacrylonitrile	4.980	41	28405	10.990	ug/l	93
40) Methyl acrylate	4.851	55	48352	10.554	ug/l	97
41) Tetrahydrofuran	5.070	42	27830	21.649	ug/l	95
42) 1-Chlorobutane	5.453	56	167320	10.319	ug/l	97
43) Dibromomethane	6.915	93	49849	10.548	ug/l	98
44) Bromodichloromethane	7.102	83	138294	10.787	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	255354	51.418	ug/l	98
46) t-1,4-Dichloro-2-butene	10.829	75	47420m	18.211	ug/l	
47) Methyl methacrylate	6.964	69	89340	21.266	ug/l	99
48) Ethyl methacrylate	8.333	69	75656	9.934	ug/l	99
49) Toluene	7.967	92	230097	10.297	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	110190	9.854	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	125817	9.564	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	72449	10.780	ug/l	98
53) 1,3-Dichloropropane	8.571	76	118713	10.219	ug/l	97
54) 2-Hexanone	8.690	43	192195	44.236	ug/l	99
55) Dibromochloromethane	8.806	129	91769	10.440	ug/l	98
56) 1,2-Dibromoethane	8.922	107	65010	10.161	ug/l	99
58) Tetrachloroethene	8.549	164	92506	10.218	ug/l	97
59) Chlorobenzene	9.443	112	242489	9.971	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	99607	10.583	ug/l	99
61) Pentachloroethane	11.423	117	72471	9.399	ug/l	96
62) Hexachloroethane	12.472	117	71165	9.135	ug/l	86
63) Ethyl Benzene	9.568	91	410249	10.415	ug/l	100
64) m/p-Xylenes	9.690	106	355179	22.616	ug/l	99
65) o-Xylene	10.099	106	162215	10.704	ug/l	100
66) Styrene	10.111	104	281755	9.659	ug/l	100
67) Bromoform	10.288	173	53736	10.360	ug/l	99
69) Isopropylbenzene	10.481	105	412787	10.704	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	87731	10.472	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	42796m	5.902	ug/l	
72) Bromobenzene	10.780	156	104345	10.653	ug/l	95
73) n-propylbenzene	10.902	120	123930	9.546	ug/l	95
74) 2-Chlorotoluene	10.983	126	110793	11.374	ug/l	94
75) 1,3,5-Trimethylbenzene	11.086	105	379786	9.607	ug/l	100
76) 4-Chlorotoluene	11.092	126	113011	11.304	ug/l	99
77) tert-Butylbenzene	11.417	119	337127	10.053	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	352797	8.763	ug/l	99
79) sec-Butylbenzene	11.639	105	433433	8.406	ug/l	97
80) Nitrobenzene	13.201	77	20643	39.809	ug/l	88
81) p-Isopropyltoluene	11.790	119	387701	8.657	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	207989	10.401	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	208740	10.397	ug/l	99
84) n-Butylbenzene	12.205	91	306918	7.862	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	201021	10.652	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	13698	8.828	ug/l	94
87) 1,2,4-Trichlorobenzene	13.835	180	114359	10.104	ug/l	98
88) Hexachlorobutadiene	14.015	225	87788	11.067	ug/l	99
89) Naphthalene	14.082	128	180832	8.241	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	117026	10.893	ug/l	98

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

