

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053013.D
 Acq On : 09 Feb 2023 10:31
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Feb 09 13:46:08 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	34141	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13891	1.223	ug/l	0.00
Spiked Amount 1.000			Recovery	=	122.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	11752	1.006	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	97790	8.463	ug/l	99
3) Chloromethane	1.521	50	92233	8.412	ug/l	99
4) Vinyl Chloride	1.605	62	106628	10.071	ug/l	99
5) Bromomethane	1.859	94	63695	11.577	ug/l	100
6) Chloroethane	1.933	64	71309	11.198	ug/l	96
7) Trichlorofluoromethane	2.135	101	175145	11.356	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	94191	11.170	ug/l	93
9) 1,1-Dichloroethene	2.576	96	86403	10.845	ug/l	94
10) Iodomethane	2.720	142	110429	12.522	ug/l	97
11) Allyl Chloride	2.920	41	112615	11.830	ug/l	97
12) Acrylonitrile	3.322	53	40567	24.017	ug/l	99
13) Acetone	2.643	43	173657	72.491	ug/l	99
14) Carbon Disulfide	2.788	76	250385	9.382	ug/l	99
15) Methylene Chloride	3.042	84	99898	10.382	ug/l	99
16) trans-1,2-Dichloroethene	3.347	96	92524	10.439	ug/l	94
17) 1,1-Dichloroethane	3.865	63	181130	12.102	ug/l	98
18) 2-Butanone	4.720	43	197915	71.110	ug/l	99
19) Cyclohexane	5.379	56	140002	10.636	ug/l	99
20) Methylcyclohexane	6.756	83	153544	10.456	ug/l	96
21) 2,2-Dichloropropane	4.659	77	165563	11.910	ug/l	97
22) cis-1,2-Dichloroethene	4.662	96	103352	11.156	ug/l	94
23) Diethyl Ether	2.373	59	65480	11.627	ug/l	98
24) tert-Butyl Alcohol	3.347	59	88439m	130.415	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	238930	13.074	ug/l	99
26) Bromochloromethane	4.971	128	43512	10.060	ug/l	89
27) Chloroform	5.084	83	180371	11.242	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	164487	11.102	ug/l	98
29) 1,1-Dichloropropene	5.518	75	120963	9.684	ug/l	98
30) Carbon Tetrachloride	5.518	117	119484	8.888	ug/l	100
31) Isopropyl Ether	3.994	45	263189	12.233	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	281003	13.990	ug/l	96
33) Tert-Amyl methyl ether	5.942	73	220228	12.398	ug/l	98
34) Propionitrile	4.794	54	38518	60.445	ug/l	# 5
35) Benzene	5.768	78	337200	9.304	ug/l	99
36) 1,2-Dichloroethane	5.791	62	100186	9.203	ug/l	98
37) Trichloroethene	6.537	130	85244	8.628	ug/l	89
38) 1,2-Dichloropropane	6.788	63	92474	10.057	ug/l	97
39) Methacrylonitrile	4.974	41	30044	11.804	ug/l	92
40) Methyl acrylate	4.849	55	56014	12.415	ug/l	98
41) Tetrahydrofuran	5.067	42	30426	24.033	ug/l	97
42) 1-Chlorobutane	5.450	56	157028	9.833	ug/l	97
43) Dibromomethane	6.916	93	46423	9.974	ug/l	# 86
44) Bromodichloromethane	7.103	83	120236	9.523	ug/l	99

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45) 4-Methyl-2-Pentanone	7.797	43	266905	54.571	ug/l	97
46) t-1,4-Dichloro-2-butene	10.829	75	58961m	22.992	ug/l	
47) Methyl methacrylate	6.965	69	94342	22.803	ug/l	95
48) Ethyl methacrylate	8.334	69	95659	12.754	ug/l	96
49) Toluene	7.964	92	210428	9.562	ug/l	93
50) t-1,3-Dichloropropene	8.209	75	123357	11.201	ug/l	98
51) cis-1,3-Dichloropropene	7.604	75	145014	11.193	ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	63588	9.607	ug/l	98
53) 1,3-Dichloropropane	8.572	76	115800	10.122	ug/l	98
54) 2-Hexanone	8.688	43	265188	61.977	ug/l	96
55) Dibromochloromethane	8.807	129	80342	9.281	ug/l	99
56) 1,2-Dibromoethane	8.923	107	62877	9.979	ug/l	98
58) Tetrachloroethene	8.550	164	67036	7.519	ug/l	91
59) Chlorobenzene	9.444	112	238494	9.958	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	82446	8.895	ug/l	97
61) Pentachloroethane	11.424	117	71566	9.424	ug/l	94
62) Hexachloroethane	12.472	117	79220	10.326	ug/l #	82
63) Ethyl Benzene	9.566	91	429076	11.060	ug/l	98
64) m/p-Xylenes	9.691	106	324194	20.961	ug/l	93
65) o-Xylene	10.096	106	160443	10.751	ug/l	94
66) Styrene	10.112	104	261014	9.110	ug/l	96
67) Bromoform	10.286	173	44554	8.722	ug/l	99
69) Isopropylbenzene	10.482	105	426894	11.240	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.781	83	89634	10.864	ug/l	97
71) 1,2,3-Trichloropropane	10.829	75	87563m	12.261	ug/l	
72) Bromobenzene	10.778	156	88508	9.175	ug/l	88
73) n-propylbenzene	10.903	120	114836	9.008	ug/l	92
74) 2-Chlorotoluene	10.984	126	96768	10.087	ug/l	93
75) 1,3,5-Trimethylbenzene	11.083	105	360410	9.272	ug/l	94
76) 4-Chlorotoluene	11.093	126	100299	10.187	ug/l	91
77) tert-Butylbenzene	11.418	119	352954	10.687	ug/l	94
78) 1,2,4-Trimethylbenzene	11.463	105	366600	9.221	ug/l	95
79) sec-Butylbenzene	11.640	105	474259	9.291	ug/l	96
80) Nitrobenzene	13.202	77	31201	61.097	ug/l #	97
81) p-Isopropyltoluene	11.791	119	384612	8.717	ug/l	96
82) 1,3-Dichlorobenzene	11.742	146	185315	9.410	ug/l	96
83) 1,4-Dichlorobenzene	11.832	146	187008	9.458	ug/l	94
84) n-Butylbenzene	12.205	91	380932	9.765	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	179044	9.634	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	16697	10.926	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	119074	10.682	ug/l	97
88) Hexachlorobutadiene	14.019	225	62814	8.040	ug/l	99
89) Naphthalene	14.080	128	244151	11.298	ug/l	99
90) 1,2,3-Trichlorobenzene	14.324	180	107517	10.162	ug/l	97

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

