

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053785.D
 Acq On : 19 Apr 2023 16:40
 Operator : JC/MD
 Sample : VU0419WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0419WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/08/2023
 Supervised By :Mahesh Dadoda 06/08/2023

Quant Time: Apr 21 09:29:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	28206	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	10934	0.988	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	13210	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	15916	1.861	ug/l	99
3) Chloromethane	1.520	50	14645	1.902	ug/l	99
4) Vinyl Chloride	1.604	62	17862	2.006	ug/l	99
5) Bromomethane	1.845	94	13443	2.007	ug/l	94
6) Chloroethane	1.929	64	10373	1.820	ug/l	97
7) Trichlorofluoromethane	2.138	101	29223	1.954	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	19376	1.990	ug/l	94
9) 1,1-Dichloroethene	2.578	96	14593	1.831	ug/l	87
10) Iodomethane	2.719	142	15638	1.802	ug/l	98
11) Allyl Chloride	2.919	41	17466	1.845	ug/l	98
12) Acrylonitrile	3.308	53	7249	3.640	ug/l	93
13) Acetone	2.620	43	26145	9.392	ug/l	97
14) Carbon Disulfide	2.790	76	23142	1.768	ug/l	99
15) Methylene Chloride	3.041	84	21795	1.867	ug/l	89
16) trans-1,2-Dichloroethene	3.346	96	16177	1.877	ug/l	93
17) 1,1-Dichloroethane	3.861	63	33976	1.912	ug/l	97
18) 2-Butanone	4.713	43	33659	9.328	ug/l	99
19) Cyclohexane	5.375	56	23157m	1.883	ug/l	
20) Methylcyclohexane	6.755	83	19329	1.752	ug/l	93
21) 2,2-Dichloropropane	4.658	77	29994	1.857	ug/l	97
22) cis-1,2-Dichloroethene	4.658	96	20704	1.921	ug/l	95
23) Diethyl Ether	2.372	59	11741	1.998	ug/l	89
24) tert-Butyl Alcohol	3.182	59	14415	18.018	ug/l #	1
25) Methyl tert-Butyl Ether	3.363	73	42775	1.924	ug/l	94
26) Bromochloromethane	4.967	128	8930	1.872	ug/l	90
27) Chloroform	5.083	83	37345	1.946	ug/l	100
28) 1,1,1-Trichloroethane	5.305	97	29936	1.882	ug/l	99
29) 1,1-Dichloropropene	5.517	75	17975	1.775	ug/l	94
30) Carbon Tetrachloride	5.514	117	21418	1.881	ug/l	95
31) Isopropyl Ether	3.993	45	49279	1.917	ug/l	92
32) Ethyl-t-butyl ether	4.507	59	50448	1.940	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	35404	1.863	ug/l	97
34) Propionitrile	4.771	54	7548	9.355	ug/l #	18
35) Benzene	5.768	78	57730	1.851	ug/l	92
36) 1,2-Dichloroethane	5.790	62	18933	1.933	ug/l	99
37) Trichloroethene	6.536	130	16689	1.885	ug/l	94
38) 1,2-Dichloropropane	6.790	63	17113	1.928	ug/l	99
39) Methacrylonitrile	4.977	41	6482	2.013	ug/l	97
40) Methyl acrylate	4.848	55	10360	1.949	ug/l	97
41) Tetrahydrofuran	5.060	42	5640	3.534	ug/l	96
42) 1-Chlorobutane	5.449	56	27325	1.977	ug/l	97
43) Dibromomethane	6.915	93	8668	1.925	ug/l	98
44) Bromodichloromethane	7.105	83	21217	1.869	ug/l	96

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45) 4-Methyl-2-Pentanone	7.796	43	41239	9.005	ug/l	97
46) t-1,4-Dichloro-2-butene	10.832	75	7127m	3.748	ug/l	
47) Methyl methacrylate	6.967	69	14601	3.692	ug/l	94
48) Ethyl methacrylate	8.333	69	13788	1.779	ug/l	89
49) Toluene	7.967	92	35421	1.802	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	19632	1.925	ug/l	96
51) cis-1,3-Dichloropropene	7.604	75	22336	1.834	ug/l	95
52) 1,1,2-Trichloroethane	8.398	97	13417	1.878	ug/l	95
53) 1,3-Dichloropropane	8.575	76	20896	1.868	ug/l	97
54) 2-Hexanone	8.687	43	35787	8.333	ug/l	97
55) Dibromochloromethane	8.806	129	14268	1.899	ug/l	92
56) 1,2-Dibromoethane	8.919	107	11747	1.907	ug/l	98
58) Tetrachloroethene	8.549	164	15381	1.796	ug/l	97
59) Chlorobenzene	9.443	112	45929	1.878	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.530	131	16108	1.827	ug/l	97
61) Pentachloroethane	11.423	117	12239	1.800	ug/l	93
62) Hexachloroethane	12.472	117	11838	1.784	ug/l	94
63) Ethyl Benzene	9.568	91	68816	1.783	ug/l	96
64) m/p-Xylenes	9.690	106	54176	3.562	ug/l	96
65) o-Xylene	10.099	106	27666	1.804	ug/l	94
66) Styrene	10.111	104	41591	1.705	ug/l	96
67) Bromoform	10.288	173	7242	1.855	ug/l	94
69) Isopropylbenzene	10.481	105	69637	1.737	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.780	83	17943	1.951	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	10453m	1.575	ug/l	
72) Bromobenzene	10.780	156	17548	1.707	ug/l	94
73) n-propylbenzene	10.902	120	20057	1.804	ug/l	88
74) 2-Chlorotoluene	10.983	126	18634	1.773	ug/l	91
75) 1,3,5-Trimethylbenzene	11.086	105	61565	1.761	ug/l	99
76) 4-Chlorotoluene	11.095	126	19363	1.807	ug/l	86
77) tert-Butylbenzene	11.417	119	62670	1.781	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	61504	1.724	ug/l	98
79) sec-Butylbenzene	11.639	105	83733	1.770	ug/l	99
80) Nitrobenzene	13.208	77	2413	8.281	ug/l #	90
81) p-Isopropyltoluene	11.790	119	65388	1.688	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	38344	1.744	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	38240	1.745	ug/l	95
84) n-Butylbenzene	12.205	91	58606	1.798	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	38149	1.775	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	2353	1.817	ug/l	98
87) 1,2,4-Trichlorobenzene	13.838	180	22781	1.603	ug/l	97
88) Hexachlorobutadiene	14.018	225	12643	1.668	ug/l	100
89) Naphthalene	14.086	128	38500	1.546	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	20979	1.553	ug/l	98

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

