

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052789.D
 Acq On : 24 Jan 2023 14:11
 Operator : JC/MD
 Sample : VU0124WBSD02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0124WBSD02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/27/2023
 Supervised By :Mahesh Dadoda 01/30/2023

Quant Time: Jan 25 01:37:11 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	6.112	96	36390	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.626	95	12043	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12549	1.008	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	22877	1.858	ug/l	97
3) Chloromethane	1.517	50	19668	1.683	ug/l	95
4) Vinyl Chloride	1.604	62	20164	1.787	ug/l	98
5) Bromomethane	1.858	94	11564	1.972	ug/l	98
6) Chloroethane	1.935	64	11701	1.724	ug/l	95
7) Trichlorofluoromethane	2.137	101	31602	1.922	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	17367	1.932	ug/l	98
9) 1,1-Dichloroethene	2.578	96	16752	1.973	ug/l	98
10) Iodomethane	2.723	142	18134	1.929	ug/l	99
11) Allyl Chloride	2.922	41	20059	1.977	ug/l	92
12) Acrylonitrile	3.330	53	6924	3.846	ug/l	94
13) Acetone	2.662	43	26498	10.378	ug/l	99
14) Carbon Disulfide	2.793	76	53216	1.871	ug/l	99
15) Methylene Chloride	3.044	84	20474	1.996	ug/l	99
16) trans-1,2-Dichloroethene	3.350	96	18796	1.990	ug/l	99
17) 1,1-Dichloroethane	3.864	63	33220	2.082	ug/l	96
18) 2-Butanone	4.726	43	27779	9.364	ug/l	99
19) Cyclohexane	5.382	56	23228m	1.656	ug/l	
20) Methylcyclohexane	6.758	83	24572	1.570	ug/l	97
21) 2,2-Dichloropropane	4.662	77	27930	1.885	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	18654	1.889	ug/l	98
23) Diethyl Ether	2.375	59	11391	1.898	ug/l	99
24) tert-Butyl Alcohol	3.350	59	12856m	17.786	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	36001	1.848	ug/l	98
26) Bromochloromethane	4.967	128	8696	1.886	ug/l	91
27) Chloroform	5.083	83	35878	2.098	ug/l	98
28) 1,1,1-Trichloroethane	5.311	97	32020	2.028	ug/l	99
29) 1,1-Dichloropropene	5.523	75	23567	1.770	ug/l	99
30) Carbon Tetrachloride	5.520	117	27504	1.920	ug/l	99
31) Isopropyl Ether	3.986	45	39833	1.737	ug/l	91
32) Ethyl-t-butyl ether	4.498	59	37951	1.773	ug/l	99
33) Tert-Amyl methyl ether	5.938	73	32238	1.703	ug/l	99
34) Propionitrile	4.819	54	6979	10.275	ug/l	# 76
35) Benzene	5.771	78	70627	1.828	ug/l	100
36) 1,2-Dichloroethane	5.790	62	22577	1.946	ug/l	96
37) Trichloroethene	6.539	130	18851	1.790	ug/l	96
38) 1,2-Dichloropropane	6.787	63	17888	1.825	ug/l	96
39) Methacrylonitrile	4.977	41	4745	1.749	ug/l	97
40) Methyl acrylate	4.851	55	9625m	2.001	ug/l	
41) Tetrahydrofuran	5.079	42	4945m	3.665	ug/l	
42) 1-Chlorobutane	5.452	56	30728	1.805	ug/l	97
43) Dibromomethane	6.915	93	9358	1.886	ug/l	97
44) Bromodichloromethane	7.102	83	25540	1.898	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	42327	8.119	ug/l	98
46) t-1,4-Dichloro-2-butene	10.822	75	10222m	3.740	ug/l	
47) Methyl methacrylate	6.957	69	14530	3.295	ug/l	99
48) Ethyl methacrylate	8.330	69	12532	1.568	ug/l	98
49) Toluene	7.967	92	40453	1.725	ug/l	99
50) t-1,3-Dichloropropene	8.205	75	19772	1.684	ug/l	99
51) cis-1,3-Dichloropropene	7.604	75	23412	1.695	ug/l	98
52) 1,1,2-Trichloroethane	8.394	97	13083	1.855	ug/l	98
53) 1,3-Dichloropropane	8.571	76	22181	1.819	ug/l	98
54) 2-Hexanone	8.684	43	35830	7.856	ug/l	97
55) Dibromochloromethane	8.806	129	17012	1.844	ug/l	98
56) 1,2-Dibromoethane	8.919	107	12141	1.808	ug/l	94
58) Tetrachloroethene	8.549	164	17677	1.860	ug/l	93
59) Chlorobenzene	9.443	112	45904	1.798	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.529	131	18296	1.852	ug/l	99
61) Pentachloroethane	11.423	117	13869	1.713	ug/l	88
62) Hexachloroethane	12.471	117	15136	1.851	ug/l	97
63) Ethyl Benzene	9.565	91	69103	1.671	ug/l	100
64) m/p-Xylenes	9.690	106	55623	3.374	ug/l	100
65) o-Xylene	10.095	106	27477	1.727	ug/l	99
66) Styrene	10.111	104	43120	1.767	ug/l	99
67) Bromoform	10.285	173	10080	1.851	ug/l	97
69) Isopropylbenzene	10.481	105	69234	1.710	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.777	83	16290	1.852	ug/l	97
71) 1,2,3-Trichloropropane	10.819	75	15171m	1.993	ug/l	
72) Bromobenzene	10.777	156	19381	1.885	ug/l	94
73) n-propylbenzene	10.902	120	19156	1.781	ug/l	100
74) 2-Chlorotoluene	10.980	126	18584	1.817	ug/l	98
75) 1,3,5-Trimethylbenzene	11.086	105	59928	1.801	ug/l	100
76) 4-Chlorotoluene	11.092	126	19746	1.882	ug/l	96
77) tert-Butylbenzene	11.417	119	61823	1.756	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	60400	1.810	ug/l	100
79) sec-Butylbenzene	11.639	105	79262	1.819	ug/l	99
80) Nitrobenzene	13.208	77	3260	5.989	ug/l #	95
81) p-Isopropyltoluene	11.790	119	64973	1.789	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	38743	1.846	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	39602	1.879	ug/l	98
84) n-Butylbenzene	12.205	91	53670	1.771	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	36487	1.842	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2836	1.741	ug/l	92
87) 1,2,4-Trichlorobenzene	13.835	180	18274	1.538	ug/l	97
88) Hexachlorobutadiene	14.015	225	14745	1.771	ug/l	98
89) Naphthalene	14.082	128	27909	1.212	ug/l	98
90) 1,2,3-Trichlorobenzene	14.323	180	16966	1.504	ug/l	99

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

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