

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057762.D
 Acq On : 31 Jan 2024 12:51
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

Quant Time: Jan 31 13:11:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 13:01:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	42924	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	17658	1.043	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	15985	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	148517	8.910	ug/l	100
3) Chloromethane	1.518	50	135658	9.522	ug/l	100
4) Vinyl Chloride	1.602	62	146591	10.041	ug/l	99
5) Bromomethane	1.856	94	78882	9.816	ug/l	99
6) Chloroethane	1.933	64	89609	12.672	ug/l	99
7) Trichlorofluoromethane	2.129	101	229575	11.923	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	113419	8.837	ug/l	96
9) 1,1-Dichloroethene	2.570	96	111580	9.321	ug/l	100
10) Iodomethane	2.715	142	143058	8.019	ug/l	95
11) Allyl Chloride	2.914	41	154975	9.958	ug/l	86
12) Acrylonitrile	3.325	53	41651	18.514	ug/l	93
13) Acetone	2.653	43	187215	39.008	ug/l	94
14) Carbon Disulfide	2.785	76	357228	9.140	ug/l	99
15) Methylene Chloride	3.039	84	124936	8.847	ug/l	98
16) trans-1,2-Dichloroethene	3.345	96	124893	9.843	ug/l	97
17) 1,1-Dichloroethane	3.859	63	231093	9.793	ug/l	99
18) 2-Butanone	4.714	43	201006	38.873	ug/l	98
19) Cyclohexane	5.380	56	179743	8.929	ug/l	86
20) Methylcyclohexane	6.756	83	224915	10.754	ug/l	96
21) 2,2-Dichloropropane	4.657	77	211721	10.654	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	134599	9.952	ug/l	96
23) Diethyl Ether	2.367	59	81714	11.417	ug/l	98
24) tert-Butyl Alcohol	3.354	59	90505m	123.293	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	267334	10.377	ug/l	95
26) Bromochloromethane	4.965	128	53505	9.334	ug/l	99
27) Chloroform	5.078	83	241108	9.957	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	220763	10.172	ug/l	99
29) 1,1-Dichloropropene	5.518	75	178379	10.376	ug/l	97
30) Carbon Tetrachloride	5.515	117	191237	10.093	ug/l	98
31) Isopropyl Ether	3.981	45	343266	10.828	ug/l	95
32) Ethyl-t-butyl ether	4.493	59	330892	10.812	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	279600	10.661	ug/l	97
34) Propionitrile	4.801	54	41719	50.999	ug/l	# 8
35) Benzene	5.766	78	509233	9.779	ug/l	100
36) 1,2-Dichloroethane	5.785	62	147352	10.420	ug/l	97
37) Trichloroethene	6.534	130	134955	9.962	ug/l	98
38) 1,2-Dichloropropane	6.785	63	131433	9.665	ug/l	99
39) Methacrylonitrile	4.972	41	32783	10.748	ug/l	# 95
40) Methyl acrylate	4.846	55	58801	9.152	ug/l	97
41) Tetrahydrofuran	5.062	42	34073	19.713	ug/l	95
42) 1-Chlorobutane	5.451	56	238072	10.388	ug/l	97
43) Dibromomethane	6.914	93	61324	9.488	ug/l	98
44) Bromodichloromethane	7.100	83	171315	10.029	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	347538	51.992	ug/l	98
46) t-1,4-Dichloro-2-butene	10.840	75	35893m	13.498	ug/l	
47) Methyl methacrylate	6.955	69	112900	21.174	ug/l	94
48) Ethyl methacrylate	8.332	69	116318	9.428	ug/l	97
49) Toluene	7.965	92	315049	10.223	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	155522	10.289	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	191502	10.352	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	84615	9.166	ug/l	99
53) 1,3-Dichloropropane	8.570	76	149007	9.444	ug/l	100
54) 2-Hexanone	8.692	43	320399	42.785	ug/l	98
55) Dibromochloromethane	8.804	129	106252	9.535	ug/l	100
56) 1,2-Dibromoethane	8.920	107	79973	9.481	ug/l	100
58) Tetrachloroethene	8.547	164	117229	8.321	ug/l	96
59) Chlorobenzene	9.444	112	355332	10.439	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	121208	9.992	ug/l	97
61) Pentachloroethane	11.425	117	96115	11.707	ug/l	87
62) Hexachloroethane	12.470	117	107095	10.383	ug/l	97
63) Ethyl Benzene	9.566	91	639512	11.071	ug/l	100
64) m/p-Xylenes	9.689	106	475954	21.435	ug/l	97
65) o-Xylene	10.097	106	235453	10.806	ug/l	95
66) Styrene	10.110	104	369222	10.836	ug/l	96
67) Bromoform	10.290	173	58345	9.749	ug/l	99
69) Isopropylbenzene	10.479	105	625976	11.160	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.782	83	109093	10.105	ug/l	98
71) 1,2,3-Trichloropropane	10.824	75	85635m	9.570	ug/l	
72) Bromobenzene	10.778	156	136809	10.221	ug/l	98
73) n-propylbenzene	10.901	120	162046	9.118	ug/l	97
74) 2-Chlorotoluene	10.981	126	146777	10.915	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	534160	9.268	ug/l	99
76) 4-Chlorotoluene	11.094	126	147755	10.782	ug/l	96
77) tert-Butylbenzene	11.415	119	507237	9.537	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	543703	9.382	ug/l	100
79) sec-Butylbenzene	11.640	105	638448	9.149	ug/l	99
80) Nitrobenzene	13.206	77	12253	33.779	ug/l #	92
81) p-Isopropyltoluene	11.788	119	553404	9.682	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	271299	9.930	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	264921	10.020	ug/l	97
84) n-Butylbenzene	12.203	91	539462	11.001	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	244244	9.782	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.994	75	15957	10.354	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	154550	9.326	ug/l	99
88) Hexachlorobutadiene	14.016	225	92951	9.866	ug/l	99
89) Naphthalene	14.084	128	231444	8.981	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	123987	8.670	ug/l	99

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

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