

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101722\
 Data File : VU051431.D
 Acq On : 17 Oct 2022 16:07
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/18/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 18 04:24:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Oct 18 04:21:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	56326	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	20746	1.112	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	22198	1.070	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	87836m	4.652	ug/l	
3) Chloromethane	1.540	50	139918	5.457	ug/l	99
4) Vinyl Chloride	1.604	62	120626	5.016	ug/l	100
5) Bromomethane	1.852	94	70578	4.653	ug/l	99
6) Chloroethane	1.929	64	78915	5.290	ug/l	99
7) Trichlorofluoromethane	2.138	101	131451	4.798	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	73512	4.716	ug/l	99
9) 1,1-Dichloroethene	2.578	96	78937	4.824	ug/l	97
10) Iodomethane	2.720	142	112307	4.831	ug/l	99
11) Allyl Chloride	2.919	41	126088	4.950	ug/l	100
12) Acrylonitrile	3.315	53	50150m	9.744	ug/l	
13) Acetone	2.627	43	86349	25.095	ug/l	98
14) Carbon Disulfide	2.791	76	283231	4.584	ug/l	100
15) Methylene Chloride	3.041	84	108037	3.835	ug/l	99
16) trans-1,2-Dichloroethene	3.347	96	91793	4.947	ug/l	99
17) 1,1-Dichloroethane	3.864	63	168601	5.190	ug/l	98
18) 2-Butanone	4.713	43	115061	25.605	ug/l	100
19) Cyclohexane	5.385	56	101229m	4.676	ug/l	
20) Methylcyclohexane	6.761	83	98620	4.526	ug/l	98
21) 2,2-Dichloropropane	4.665	77	115660	5.225	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	92918	5.211	ug/l	100
23) Diethyl Ether	2.379	59	74115	5.062	ug/l	99
24) tert-Butyl Alcohol	3.196	59	75289	88.978	ug/l	100
25) Methyl tert-Butyl Ether	3.366	73	222957	5.094	ug/l	99
26) Bromochloromethane	4.974	128	46316	5.399	ug/l	98
27) Chloroform	5.086	83	173003	5.240	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	131267	5.016	ug/l	98
29) 1,1-Dichloropropene	5.524	75	107749	5.177	ug/l	98
30) Carbon Tetrachloride	5.520	117	110571	4.974	ug/l	97
31) Isopropyl Ether	3.999	45	203777	4.850	ug/l	96
32) Ethyl-t-butyl ether	4.507	59	189016	5.064	ug/l	99
33) Tert-Amyl methyl ether	5.945	73	174607	5.234	ug/l	98
34) Propionitrile	4.781	54	40690	28.886	ug/l	98
35) Benzene	5.771	78	368718	5.334	ug/l	99
36) 1,2-Dichloroethane	5.797	62	113060	5.215	ug/l	100
37) Trichloroethene	6.540	130	84136	5.024	ug/l	96
38) 1,2-Dichloropropane	6.790	63	99637	5.291	ug/l	98
39) Methacrylonitrile	4.980	41	26434	5.310	ug/l	98
40) Methyl acrylate	4.852	55	45634	5.334	ug/l	# 92
41) Tetrahydrofuran	5.064	42	27276	10.382	ug/l	98
42) 1-Chlorobutane	5.456	56	146510	5.067	ug/l	98
43) Dibromomethane	6.919	93	53230	5.262	ug/l	97
44) Bromodichloromethane	7.105	83	126193	5.327	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	269936	25.226	ug/l	97
46) t-1,4-Dichloro-2-butene	10.829	75	59521m	15.755	ug/l	
47) Methyl methacrylate	6.964	69	87571	10.747	ug/l	99
48) Ethyl methacrylate	8.334	69	71569	5.237	ug/l	97
49) Toluene	7.967	92	212241	5.624	ug/l	100
50) t-1,3-Dichloropropene	8.208	75	106259	5.557	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	118435	5.313	ug/l	99
52) 1,1,2-Trichloroethane	8.401	97	78434	5.328	ug/l	97
53) 1,3-Dichloropropane	8.575	76	125632	5.356	ug/l	98
54) 2-Hexanone	8.684	43	188122	24.838	ug/l	98
55) Dibromochloromethane	8.810	129	82179	5.124	ug/l	99
56) 1,2-Dibromoethane	8.922	107	68879	5.251	ug/l	97
58) Tetrachloroethene	8.552	164	74833	4.529	ug/l	97
59) Chlorobenzene	9.446	112	225294	5.414	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	83491	5.151	ug/l	99
61) Pentachloroethane	11.427	117	75369	6.363	ug/l	98
62) Hexachloroethane	12.475	117	69587	5.320	ug/l	97
63) Ethyl Benzene	9.568	91	338324	5.294	ug/l	98
64) m/p-Xylenes	9.694	106	292439	11.566	ug/l	100
65) o-Xylene	10.099	106	137213	5.573	ug/l	98
66) Styrene	10.112	104	236621	5.829	ug/l	99
67) Bromoform	10.289	173	45464	4.919	ug/l	98
69) Isopropylbenzene	10.482	105	334228	5.477	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.781	83	103469	5.431	ug/l	99
71) 1,2,3-Trichloropropane	10.826	75	79691m	5.260	ug/l	
72) Bromobenzene	10.781	156	89143	5.387	ug/l	97
73) n-propylbenzene	10.903	120	95342	5.745	ug/l	96
74) 2-Chlorotoluene	10.983	126	92747	5.746	ug/l	98
75) 1,3,5-Trimethylbenzene	11.086	105	325357	5.992	ug/l	100
76) 4-Chlorotoluene	11.096	126	96358	6.019	ug/l	99
77) tert-Butylbenzene	11.420	119	289591	5.711	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	339823	6.067	ug/l	99
79) sec-Butylbenzene	11.642	105	390704	5.610	ug/l	100
80) Nitrobenzene	13.205	77	24510	23.268	ug/l	97
81) p-Isopropyltoluene	11.793	119	322896	5.863	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	195594	5.579	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	198903	5.743	ug/l	99
84) n-Butylbenzene	12.208	91	292404	5.647	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	190170	5.498	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.996	75	16616	5.193	ug/l	98
87) 1,2,4-Trichlorobenzene	13.838	180	95145	5.076	ug/l	99
88) Hexachlorobutadiene	14.018	225	61949	5.129	ug/l	100
89) Naphthalene	14.086	128	196872	5.621	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	105853	5.273	ug/l	99

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

