

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100422\
 Data File : VU051104.D
 Acq On : 04 Oct 2022 12:28
 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 10/05/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 05 02:01:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U100422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 05 01:58:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	64504	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	22733	0.959	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	24388	1.093	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	110598	4.621	ug/l	100
3) Chloromethane	1.523	50	137075	5.349	ug/l	99
4) Vinyl Chloride	1.604	62	136657	5.803	ug/l	99
5) Bromomethane	1.861	94	77375	6.126	ug/l	98
6) Chloroethane	1.935	64	83888	6.251	ug/l	98
7) Trichlorofluoromethane	2.141	101	158469	5.688	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	92484	6.212	ug/l	94
9) 1,1-Dichloroethene	2.581	96	91731	6.072	ug/l	98
10) Iodomethane	2.723	142	141574	7.067	ug/l	95
11) Allyl Chloride	2.925	41	145808	5.746	ug/l	96
12) Acrylonitrile	3.327	53	53471	12.921	ug/l	98
13) Acetone	2.652	43	81928	26.193	ug/l	91
14) Carbon Disulfide	2.793	76	332985	6.544	ug/l	100
15) Methylene Chloride	3.044	84	125980	6.492	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	100851	6.301	ug/l	99
17) 1,1-Dichloroethane	3.867	63	182908	5.673	ug/l	100
18) 2-Butanone	4.726	43	121957	23.336	ug/l	99
19) Cyclohexane	5.388	56	132821m	4.454	ug/l	
20) Methylcyclohexane	6.761	83	130658	4.429	ug/l	96
21) 2,2-Dichloropropane	4.665	77	125500	4.903	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	101167	5.296	ug/l	96
23) Diethyl Ether	2.379	59	80056	6.162	ug/l	99
24) tert-Butyl Alcohol	3.266	59	38418m	29.171	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	241420	5.767	ug/l	94
26) Bromochloromethane	4.973	128	47825	5.837	ug/l	96
27) Chloroform	5.089	83	185135	5.791	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	147653	5.348	ug/l	98
29) 1,1-Dichloropropene	5.526	75	125282	5.083	ug/l	99
30) Carbon Tetrachloride	5.523	117	128020	5.522	ug/l	96
31) Isopropyl Ether	3.999	45	239409	4.490	ug/l	87
32) Ethyl-t-butyl ether	4.507	59	210451	4.201	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	190109	4.313	ug/l	97
34) Propionitrile	4.806	54	37134	24.653	ug/l	# 1
35) Benzene	5.774	78	402968	5.654	ug/l	98
36) 1,2-Dichloroethane	5.796	62	118667	5.772	ug/l	99
37) Trichloroethene	6.542	130	94381	5.282	ug/l	99
38) 1,2-Dichloropropane	6.790	63	106442	5.592	ug/l	99
39) Methacrylonitrile	4.983	41	28348	4.447	ug/l	93
40) Methyl acrylate	4.854	55	53153	5.315	ug/l	# 96
41) Tetrahydrofuran	5.073	42	27151	7.200	ug/l	96
42) 1-Chlorobutane	5.459	56	171783	4.982	ug/l	96
43) Dibromomethane	6.919	93	56006	5.867	ug/l	97
44) Bromodichloromethane	7.105	83	131225	5.786	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	297862	23.741	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	34774m	8.562	ug/l	
47) Methyl methacrylate	6.964	69	94853	10.069	ug/l	93
48) Ethyl methacrylate	8.333	69	77145	4.186	ug/l	95
49) Toluene	7.970	92	228809	5.289	ug/l	96
50) t-1,3-Dichloropropene	8.211	75	108333	5.055	ug/l	95
51) cis-1,3-Dichloropropene	7.607	75	127284	5.042	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	80020	6.045	ug/l	99
53) 1,3-Dichloropropane	8.574	76	133442	5.676	ug/l	99
54) 2-Hexanone	8.690	43	205114	23.441	ug/l	99
55) Dibromochloromethane	8.809	129	87895	5.891	ug/l	100
56) 1,2-Dibromoethane	8.925	107	72832	5.711	ug/l	97
58) Tetrachloroethene	8.552	164	95160	6.161	ug/l	98
59) Chlorobenzene	9.446	112	236229	5.218	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.533	131	89885	5.565	ug/l	98
61) Pentachloroethane	11.423	117	63484	5.232	ug/l	84
62) Hexachloroethane	12.475	117	73495	5.859	ug/l	97
63) Ethyl Benzene	9.568	91	378735	4.700	ug/l	99
64) m/p-Xylenes	9.693	106	319228	10.529	ug/l	97
65) o-Xylene	10.099	106	147487	4.982	ug/l	97
66) Styrene	10.115	104	248727	5.181	ug/l	98
67) Bromoform	10.288	173	50094	5.847	ug/l	99
69) Isopropylbenzene	10.484	105	370123	4.738	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.780	83	101836	5.894	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	85841m	5.971	ug/l	
72) Bromobenzene	10.780	156	95668	5.331	ug/l	97
73) n-propylbenzene	10.906	120	100659	5.026	ug/l	97
74) 2-Chlorotoluene	10.983	126	99270	5.523	ug/l	97
75) 1,3,5-Trimethylbenzene	11.086	105	345686	5.210	ug/l	100
76) 4-Chlorotoluene	11.095	126	103411	5.669	ug/l	87
77) tert-Butylbenzene	11.417	119	298013	4.630	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	355795	5.296	ug/l	99
79) sec-Butylbenzene	11.642	105	433963	5.079	ug/l	99
80) Nitrobenzene	13.208	77	22249	30.571	ug/l #	96
81) p-Isopropyltoluene	11.793	119	348044	5.029	ug/l	100
82) 1,3-Dichlorobenzene	11.745	146	203556	5.804	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	206646	5.801	ug/l	98
84) n-Butylbenzene	12.208	91	303547	4.760	ug/l	96
85) 1,2-Dichlorobenzene	12.211	146	195633	5.708	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	15077	5.091	ug/l	96
87) 1,2,4-Trichlorobenzene	13.838	180	93356	4.291	ug/l	98
88) Hexachlorobutadiene	14.018	225	67348	5.808	ug/l	99
89) Naphthalene	14.086	128	170229	3.767	ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	98422	4.637	ug/l	99

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

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