

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041923\
 Data File : VU053782.D
 Acq On : 19 Apr 2023 14:34
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Apr 20 08:11:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Apr 20 08:05:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	29915	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11535	1.058	ug/l	0.00
Spiked Amount	1.000		Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	13365	1.175	ug/l	0.00
Spiked Amount	1.000		Recovery	=	118.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	8919	0.855	ug/l	99
3) Chloromethane	1.520	50	8653	0.825	ug/l	97
4) Vinyl Chloride	1.600	62	9471	0.847	ug/l	97
5) Bromomethane	1.854	94	7306	0.774	ug/l	98
6) Chloroethane	1.928	64	6168	0.853	ug/l	94
7) Trichlorofluoromethane	2.134	101	16082	0.938	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	10371	1.155	ug/l	96
9) 1,1-Dichloroethene	2.578	96	8912	1.115	ug/l	76
10) Iodomethane	2.719	142	8025	0.982	ug/l	99
11) Allyl Chloride	2.919	41	10206	1.140	ug/l	97
12) Acrylonitrile	3.317	53	4590	2.836	ug/l	94
13) Acetone	2.636	43	11035	3.565	ug/l	90
14) Carbon Disulfide	2.790	76	14138	0.634	ug/l	100
15) Methylene Chloride	3.041	84	13099	0.697	ug/l #	87
16) trans-1,2-Dichloroethene	3.346	96	9166	1.109	ug/l	93
17) 1,1-Dichloroethane	3.864	63	19170	1.248	ug/l	100
18) 2-Butanone	4.723	43	15792	4.911	ug/l	98
19) Cyclohexane	5.372	56	13544m	1.122	ug/l	
20) Methylcyclohexane	6.755	83	10823	0.742	ug/l	92
21) 2,2-Dichloropropane	4.661	77	16827	1.265	ug/l	99
22) cis-1,2-Dichloroethene	4.661	96	11790	1.291	ug/l	98
23) Diethyl Ether	2.375	59	6104	0.973	ug/l	90
24) tert-Butyl Alcohol	3.224	59	8897m	14.226	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	24265	1.324	ug/l	100
26) Bromochloromethane	4.967	128	4823	1.277	ug/l	94
27) Chloroform	5.079	83	21034	1.306	ug/l	99
28) 1,1,1-Trichloroethane	5.308	97	16760	1.216	ug/l	100
29) 1,1-Dichloropropene	5.517	75	10658	0.948	ug/l	95
30) Carbon Tetrachloride	5.510	117	12094	1.134	ug/l	94
31) Isopropyl Ether	3.999	45	28147	1.321	ug/l	88
32) Ethyl-t-butyl ether	4.507	59	28663	1.310	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	19382	1.032	ug/l	97
34) Propionitrile	4.793	54	4399	8.148	ug/l #	16
35) Benzene	5.768	78	33422	1.003	ug/l	100
36) 1,2-Dichloroethane	5.793	62	10563	1.085	ug/l	98
37) Trichloroethene	6.536	130	8831	1.034	ug/l	96
38) 1,2-Dichloropropane	6.787	63	9394	1.080	ug/l	99
39) Methacrylonitrile	4.973	41	3887	1.736	ug/l #	90
40) Methyl acrylate	4.851	55	5686	1.391	ug/l #	85
41) Tetrahydrofuran	5.070	42	3677	3.215	ug/l	93
42) 1-Chlorobutane	5.452	56	14313	0.950	ug/l	96
43) Dibromomethane	6.915	93	4728	1.134	ug/l	96
44) Bromodichloromethane	7.108	83	11583	1.109	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	23422	5.376	ug/l	# 97
46) t-1,4-Dichloro-2-butene	10.838	75	3536m	1.501	ug/l	
47) Methyl methacrylate	6.970	69	8049	2.097	ug/l	95
48) Ethyl methacrylate	8.337	69	8133	1.096	ug/l	86
49) Toluene	7.964	92	19891	0.968	ug/l	96
50) t-1,3-Dichloropropene	8.211	75	9893	1.026	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	11974	1.010	ug/l	93
52) 1,1,2-Trichloroethane	8.398	97	7399	1.198	ug/l	94
53) 1,3-Dichloropropane	8.574	76	11731	1.122	ug/l	96
54) 2-Hexanone	8.690	43	17814	3.882	ug/l	100
55) Dibromochloromethane	8.806	129	7273	1.149	ug/l	96
56) 1,2-Dibromoethane	8.925	107	6225	1.102	ug/l	99
58) Tetrachloroethene	8.549	164	8836	1.103	ug/l	91
59) Chlorobenzene	9.446	112	24605	1.063	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.529	131	8814	1.215	ug/l	99
61) Pentachloroethane	11.423	117	6897	1.311	ug/l	98
62) Hexachloroethane	12.471	117	6212	1.080	ug/l	92
63) Ethyl Benzene	9.565	91	36996	0.925	ug/l	91
64) m/p-Xylenes	9.690	106	27704	1.802	ug/l	98
65) o-Xylene	10.099	106	13861	0.916	ug/l	94
66) Styrene	10.111	104	22207	0.949	ug/l	99
67) Bromoform	10.288	173	3803	1.248	ug/l	# 95
69) Isopropylbenzene	10.481	105	37470	0.946	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.780	83	9287	1.234	ug/l	99
71) 1,2,3-Trichloropropane	10.822	75	7130m	1.247	ug/l	
72) Bromobenzene	10.780	156	9824	1.140	ug/l	91
73) n-propylbenzene	10.902	120	10181	0.959	ug/l	95
74) 2-Chlorotoluene	10.983	126	9938	1.073	ug/l	86
75) 1,3,5-Trimethylbenzene	11.086	105	31997	0.953	ug/l	100
76) 4-Chlorotoluene	11.095	126	9660	0.996	ug/l	93
77) tert-Butylbenzene	11.417	119	31856	1.005	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	31218	0.907	ug/l	96
79) sec-Butylbenzene	11.639	105	42336	0.940	ug/l	98
80) Nitrobenzene	13.214	77	1358m	6.753	ug/l	
81) p-Isopropyltoluene	11.790	119	32558	0.910	ug/l	96
82) 1,3-Dichlorobenzene	11.742	146	21076	1.144	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	20323	1.086	ug/l	99
84) n-Butylbenzene	12.205	91	30995	0.890	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	19965	1.129	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1331	1.158	ug/l	96
87) 1,2,4-Trichlorobenzene	13.838	180	12699	1.206	ug/l	98
88) Hexachlorobutadiene	14.018	225	6928	1.324	ug/l	95
89) Naphthalene	14.086	128	22919	1.097	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	11733	1.255	ug/l	94

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

