

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101722\
 Data File : VU051428.D
 Acq On : 17 Oct 2022 14:38
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 04:22:01 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	6.115	96	55024	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18382	1.009	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	21863	1.079	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	11322	0.614	ug/l	100
3) Chloromethane	1.533	50	18678	0.746	ug/l	94
4) Vinyl Chloride	1.604	62	15029	0.640	ug/l	# 68
5) Bromomethane	1.854	94	7888	0.532	ug/l	94
6) Chloroethane	1.935	64	8657	0.594	ug/l	92
7) Trichlorofluoromethane	2.137	101	16767	0.626	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	9148	0.601	ug/l	97
9) 1,1-Dichloroethene	2.578	96	9422	0.589	ug/l	98
10) Iodomethane	2.723	142	10493	0.462	ug/l	99
11) Allyl Chloride	2.922	41	14639	0.588	ug/l	96
12) Acrylonitrile	3.314	53	4898	0.974	ug/l	# 76
13) Acetone	2.629	43	12202	3.630	ug/l	96
14) Carbon Disulfide	2.790	76	34204	0.567	ug/l	99
15) Methylene Chloride	3.044	84	17790	0.646	ug/l	97
16) trans-1,2-Dichloroethene	3.346	96	11070	0.611	ug/l	99
17) 1,1-Dichloroethane	3.867	63	19684	0.620	ug/l	97
18) 2-Butanone	4.726	43	10129m	2.307	ug/l	
19) Cyclohexane	5.382	56	9754m	0.461	ug/l	
20) Methylcyclohexane	6.758	83	8819	0.414	ug/l	90
21) 2,2-Dichloropropane	4.661	77	14460	0.669	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	9343	0.536	ug/l	95
23) Diethyl Ether	2.382	59	8080	0.565	ug/l	97
24) tert-Butyl Alcohol	3.192	59	9270	11.215	ug/l	95
25) Methyl tert-Butyl Ether	3.366	73	23491	0.549	ug/l	97
26) Bromochloromethane	4.977	128	4861	0.580	ug/l	98
27) Chloroform	5.089	83	19837	0.615	ug/l	94
28) 1,1,1-Trichloroethane	5.314	97	16240	0.635	ug/l	96
29) 1,1-Dichloropropene	5.526	75	10544	0.519	ug/l	94
30) Carbon Tetrachloride	5.523	117	13468	0.620	ug/l	91
31) Isopropyl Ether	4.002	45	21133	0.515	ug/l	88
32) Ethyl-t-butyl ether	4.514	59	18248	0.501	ug/l	99
33) Tert-Amyl methyl ether	5.941	73	14451m	0.443	ug/l	
34) Propionitrile	4.790	54	3079	2.238	ug/l	# 86
35) Benzene	5.774	78	38390	0.569	ug/l	97
36) 1,2-Dichloroethane	5.800	62	11360	0.536	ug/l	97
37) Trichloroethene	6.542	130	8875	0.543	ug/l	88
38) 1,2-Dichloropropane	6.793	63	10694	0.581	ug/l	97
39) Methacrylonitrile	4.986	41	2361	0.485	ug/l	# 84
40) Methyl acrylate	4.861	55	3399	0.407	ug/l	# 71
41) Tetrahydrofuran	5.070	42	2626	1.023	ug/l	# 56
42) 1-Chlorobutane	5.459	56	14108	0.499	ug/l	86
43) Dibromomethane	6.919	93	5316	0.538	ug/l	98
44) Bromodichloromethane	7.105	83	13488	0.583	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	21249	2.033	ug/l	89
46) t-1,4-Dichloro-2-butene	10.825	75	6288m	1.704	ug/l	
47) Methyl methacrylate	6.964	69	6423	0.807	ug/l	94
48) Ethyl methacrylate	8.337	69	4922	0.369	ug/l	79
49) Toluene	7.967	92	18300	0.496	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	9703	0.519	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	11960	0.549	ug/l	95
52) 1,1,2-Trichloroethane	8.401	97	7405	0.515	ug/l	86
53) 1,3-Dichloropropane	8.578	76	11520	0.503	ug/l	99
54) 2-Hexanone	8.690	43	13253	1.791	ug/l	91
55) Dibromochloromethane	8.809	129	8323	0.531	ug/l	98
56) 1,2-Dibromoethane	8.925	107	6247	0.488	ug/l	94
58) Tetrachloroethene	8.555	164	7562	0.469	ug/l	99
59) Chlorobenzene	9.449	112	21439	0.527	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.533	131	9445	0.597	ug/l	97
61) Pentachloroethane	11.426	117	7370	0.637	ug/l	95
62) Hexachloroethane	12.475	117	7114	0.557	ug/l	93
63) Ethyl Benzene	9.571	91	28297	0.453	ug/l	97
64) m/p-Xylenes	9.693	106	19901	0.806	ug/l	97
65) o-Xylene	10.099	106	10962	0.456	ug/l	96
66) Styrene	10.115	104	16215	0.409	ug/l	98
67) Bromoform	10.291	173	4585	0.508	ug/l #	98
69) Isopropylbenzene	10.484	105	25722	0.431	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	10323	0.555	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	7668m	0.518	ug/l	
72) Bromobenzene	10.783	156	8471	0.524	ug/l	99
73) n-propylbenzene	10.906	120	6541	0.403	ug/l	90
74) 2-Chlorotoluene	10.986	126	7103	0.450	ug/l	91
75) 1,3,5-Trimethylbenzene	11.089	105	20819	0.392	ug/l	94
76) 4-Chlorotoluene	11.098	126	6816	0.436	ug/l	91
77) tert-Butylbenzene	11.420	119	24470	0.494	ug/l	93
78) 1,2,4-Trimethylbenzene	11.465	105	22224	0.406	ug/l	99
79) sec-Butylbenzene	11.642	105	29075	0.427	ug/l	99
80) Nitrobenzene	13.211	77	2540m	2.468	ug/l	
81) p-Isopropyltoluene	11.793	119	21241	0.395	ug/l	94
82) 1,3-Dichlorobenzene	11.745	146	17966	0.525	ug/l	96
83) 1,4-Dichlorobenzene	11.835	146	16066	0.475	ug/l	98
84) n-Butylbenzene	12.208	91	25805	0.510	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	18722	0.554	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.992	75	1574	0.504	ug/l	91
87) 1,2,4-Trichlorobenzene	13.841	180	10218	0.558	ug/l	96
88) Hexachlorobutadiene	14.018	225	6462	0.548	ug/l	99
89) Naphthalene	14.089	128	22835	0.667	ug/l #	96
90) 1,2,3-Trichlorobenzene	14.330	180	11769	0.600	ug/l	98

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

Manual Integrations

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