

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053464.D
 Acq On : 29 Mar 2023 14:26
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 09:49:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 09:48:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	43353	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	14200	0.907	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	15080	0.960	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	14077	0.898	ug/l	100
3) Chloromethane	1.517	50	15550	0.974	ug/l	100
4) Vinyl Chloride	1.604	62	15093	0.895	ug/l	92
5) Bromomethane	1.858	94	13897	0.812	ug/l	96
6) Chloroethane	1.932	64	8785	0.815	ug/l	94
7) Trichlorofluoromethane	2.137	101	21516	0.852	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	10252	0.819	ug/l	91
9) 1,1-Dichloroethene	2.578	96	9541	0.833	ug/l	84
10) Iodomethane	2.723	142	7058	1.087	ug/l	88
11) Allyl Chloride	2.922	41	10809	0.836	ug/l	86
12) Acrylonitrile	3.324	53	4096m	1.902	ug/l	
13) Acetone	2.645	43	20978	4.807	ug/l	95
14) Carbon Disulfide	2.790	76	29266	0.833	ug/l	99
15) Methylene Chloride	3.044	84	34018	0.898	ug/l	87
16) trans-1,2-Dichloroethene	3.350	96	10272	0.868	ug/l	95
17) 1,1-Dichloroethane	3.861	63	19267	0.892	ug/l	99
18) 2-Butanone	4.719	43	20901	4.706	ug/l	97
19) Cyclohexane	5.385	56	16310	0.917	ug/l	91
20) Methylcyclohexane	6.758	83	20271	0.912	ug/l	91
21) 2,2-Dichloropropane	4.661	77	16485	0.892	ug/l	95
22) cis-1,2-Dichloroethene	4.668	96	11917	0.927	ug/l	97
23) Diethyl Ether	2.375	59	8433	0.928	ug/l	95
24) tert-Butyl Alcohol	3.227	59	7555m	9.902	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	22535	0.888	ug/l	96
26) Bromochloromethane	4.967	128	4338	0.837	ug/l	89
27) Chloroform	5.086	83	19844	0.885	ug/l	98
28) 1,1,1-Trichloroethane	5.308	97	17983	0.930	ug/l	93
29) 1,1-Dichloropropene	5.526	75	14608	0.873	ug/l	98
30) Carbon Tetrachloride	5.517	117	13543	0.880	ug/l	98
31) Isopropyl Ether	3.986	45	25508	0.858	ug/l	99
32) Ethyl-t-butyl ether	4.494	59	26449	0.867	ug/l	98
33) Tert-Amyl methyl ether	5.935	73	24174	0.891	ug/l	98
34) Propionitrile	4.812	54	3679m	5.367	ug/l	
35) Benzene	5.771	78	43042	0.880	ug/l	98
36) 1,2-Dichloroethane	5.790	62	12902	0.918	ug/l	# 93
37) Trichloroethene	6.542	130	11005	0.894	ug/l	86
38) 1,2-Dichloropropane	6.790	63	11778	0.939	ug/l	90
39) Methacrylonitrile	4.976	41	2929	0.959	ug/l	# 83
40) Methyl acrylate	4.857	55	5075m	0.952	ug/l	
41) Tetrahydrofuran	5.066	42	2625	1.647	ug/l	# 37
42) 1-Chlorobutane	5.456	56	19340	0.869	ug/l	99
43) Dibromomethane	6.912	93	5311	0.889	ug/l	95
44) Bromodichloromethane	7.105	83	13209	0.884	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	28604	4.617	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	5261m	1.564	ug/l	
47) Methyl methacrylate	6.960	69	9678	1.762	ug/l	90
48) Ethyl methacrylate	8.330	69	9578	0.899	ug/l	94
49) Toluene	7.963	92	25799	0.860	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	11293	0.816	ug/l	95
51) cis-1,3-Dichloropropene	7.603	75	14551	0.849	ug/l	94
52) 1,1,2-Trichloroethane	8.398	97	7636	0.882	ug/l	94
53) 1,3-Dichloropropane	8.574	76	12650	0.847	ug/l	96
54) 2-Hexanone	8.684	43	29754	4.577	ug/l	95
55) Dibromochloromethane	8.803	129	7081	0.803	ug/l	96
56) 1,2-Dibromoethane	8.922	107	7607	0.953	ug/l	92
58) Tetrachloroethene	8.549	164	10220	0.888	ug/l	93
59) Chlorobenzene	9.443	112	29711	0.900	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.533	131	8342	0.831	ug/l	97
61) Pentachloroethane	11.420	117	6071	0.861	ug/l	87
62) Hexachloroethane	12.475	117	6069	1.008	ug/l #	82
63) Ethyl Benzene	9.568	91	47641	0.823	ug/l	90
64) m/p-Xylenes	9.693	106	35849	1.619	ug/l	97
65) o-Xylene	10.095	106	18565	0.857	ug/l	95
66) Styrene	10.115	104	27482	0.825	ug/l	99
67) Bromoform	10.288	173	3006	0.960	ug/l #	98
69) Isopropylbenzene	10.481	105	46729	0.824	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.777	83	9450	0.906	ug/l	96
71) 1,2,3-Trichloropropane	10.822	75	5685m	0.685	ug/l	
72) Bromobenzene	10.780	156	10461	0.880	ug/l	92
73) n-propylbenzene	10.906	120	12029	0.803	ug/l	86
74) 2-Chlorotoluene	10.986	126	10911	0.842	ug/l	100
75) 1,3,5-Trimethylbenzene	11.086	105	39141	0.822	ug/l	97
76) 4-Chlorotoluene	11.095	126	11484	0.854	ug/l	95
77) tert-Butylbenzene	11.417	119	38350	0.869	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	39048	0.805	ug/l	95
79) sec-Butylbenzene	11.642	105	51938	0.817	ug/l	97
80) Nitrobenzene	13.211	77	1044	3.986	ug/l #	81
81) p-Isopropyltoluene	11.790	119	40383	0.808	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	20845	0.823	ug/l	95
83) 1,4-Dichlorobenzene	11.835	146	21018	0.820	ug/l	95
84) n-Butylbenzene	12.208	91	38077	0.771	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	20172	0.840	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.992	75	1167	0.737	ug/l #	81
87) 1,2,4-Trichlorobenzene	13.838	180	10925	0.780	ug/l	98
88) Hexachlorobutadiene	14.018	225	5605	0.837	ug/l	96
89) Naphthalene	14.085	128	21199	0.753	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	9542	0.791	ug/l	97

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

