

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
 Data File : VU053147.D
 Acq On : 27 Feb 2023 10:38
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:53:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 28 01:52:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.109	96	28742	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11489	0.947	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9366	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	6130	0.840	ug/l	97
3) Chloromethane	1.521	50	7064	0.940	ug/l	99
4) Vinyl Chloride	1.604	62	7336	0.917	ug/l	97
5) Bromomethane	1.858	94	3791	0.832	ug/l	88
6) Chloroethane	1.936	64	4260	0.876	ug/l	# 83
7) Trichlorofluoromethane	2.141	101	10228	0.888	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	6080	0.844	ug/l	95
9) 1,1-Dichloroethene	2.579	96	5572	0.891	ug/l	89
10) Iodomethane	2.723	142	4948	0.769	ug/l	97
11) Allyl Chloride	2.923	41	8625	0.883	ug/l	95
12) Acrylonitrile	3.325	53	3106	1.934	ug/l	# 91
13) Acetone	2.640	43	11749	5.130	ug/l	98
14) Carbon Disulfide	2.791	76	12415	0.865	ug/l	100
15) Methylene Chloride	3.042	84	9197	1.028	ug/l	93
16) trans-1,2-Dichloroethene	3.354	96	6140	0.893	ug/l	95
17) 1,1-Dichloroethane	3.868	63	13639	0.906	ug/l	97
18) 2-Butanone	4.717	43	13164	4.788	ug/l	94
19) Cyclohexane	5.379	56	11450m	0.954	ug/l	
20) Methylcyclohexane	6.755	83	9971	0.864	ug/l	97
21) 2,2-Dichloropropane	4.659	77	11873	0.901	ug/l	100
22) cis-1,2-Dichloroethene	4.662	96	7143	0.842	ug/l	92
23) Diethyl Ether	2.376	59	4502	0.879	ug/l	93
24) tert-Butyl Alcohol	3.235	59	5485m	9.121	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	16094	0.885	ug/l	96
26) Bromochloromethane	4.977	128	2856	0.870	ug/l	96
27) Chloroform	5.087	83	14081	0.908	ug/l	91
28) 1,1,1-Trichloroethane	5.312	97	11893	0.913	ug/l	96
29) 1,1-Dichloropropene	5.521	75	8923	0.914	ug/l	97
30) Carbon Tetrachloride	5.517	117	8055	0.898	ug/l	92
31) Isopropyl Ether	3.990	45	21057	0.877	ug/l	99
32) Ethyl-t-butyl ether	4.508	59	19727	0.867	ug/l	99
33) Tert-Amyl methyl ether	5.945	73	16248	0.900	ug/l	98
34) Propionitrile	4.794	54	2888	4.515	ug/l	# 93
35) Benzene	5.771	78	26606	0.924	ug/l	98
36) 1,2-Dichloroethane	5.794	62	8046	0.935	ug/l	100
37) Trichloroethene	6.537	130	5809	0.879	ug/l	96
38) 1,2-Dichloropropane	6.791	63	7425	0.891	ug/l	90
39) Methacrylonitrile	4.977	41	2451	0.896	ug/l	# 85
40) Methyl acrylate	4.852	55	4003	0.949	ug/l	# 93
41) Tetrahydrofuran	5.064	42	2341	1.750	ug/l	96
42) 1-Chlorobutane	5.453	56	12280	0.904	ug/l	98
43) Dibromomethane	6.916	93	3292	0.892	ug/l	99
44) Bromodichloromethane	7.103	83	8808	0.872	ug/l	# 96

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45) 4-Methyl-2-Pentanone	7.797	43	20271	4.497	ug/l	99
46) t-1,4-Dichloro-2-butene	10.823	75	4663m	2.053	ug/l	
47) Methyl methacrylate	6.964	69	6544	1.722	ug/l	94
48) Ethyl methacrylate	8.334	69	6787	0.870	ug/l	88
49) Toluene	7.967	92	16034	0.904	ug/l	97
50) t-1,3-Dichloropropene	8.212	75	8434	0.860	ug/l	96
51) cis-1,3-Dichloropropene	7.607	75	10841	0.912	ug/l	99
52) 1,1,2-Trichloroethane	8.398	97	4588	0.846	ug/l	95
53) 1,3-Dichloropropane	8.572	76	8891	0.915	ug/l	100
54) 2-Hexanone	8.688	43	17927	4.668	ug/l	99
55) Dibromochloromethane	8.807	129	5161	0.834	ug/l	96
56) 1,2-Dibromoethane	8.922	107	4299	0.892	ug/l	95
58) Tetrachloroethene	8.549	164	4801	0.911	ug/l	97
59) Chlorobenzene	9.447	112	17468	0.881	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.527	131	5853	0.893	ug/l	97
61) Pentachloroethane	11.424	117	4652	0.817	ug/l	99
62) Hexachloroethane	12.472	117	5371	0.856	ug/l	95
63) Ethyl Benzene	9.569	91	32250	0.881	ug/l	97
64) m/p-Xylenes	9.691	106	22916	1.726	ug/l	98
65) o-Xylene	10.096	106	12039	0.888	ug/l	96
66) Styrene	10.112	104	18247	0.849	ug/l	99
67) Bromoform	10.289	173	2460	0.818	ug/l #	97
69) Isopropylbenzene	10.482	105	31497	0.867	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	6538	0.895	ug/l	99
71) 1,2,3-Trichloropropane	10.819	75	5998m	0.983	ug/l	
72) Bromobenzene	10.781	156	6110	0.867	ug/l	96
73) n-propylbenzene	10.903	120	8357	0.867	ug/l	100
74) 2-Chlorotoluene	10.983	126	6684	0.838	ug/l	91
75) 1,3,5-Trimethylbenzene	11.083	105	26390	0.873	ug/l	98
76) 4-Chlorotoluene	11.093	126	7170	0.855	ug/l	98
77) tert-Butylbenzene	11.418	119	25490	0.861	ug/l	99
78) 1,2,4-Trimethylbenzene	11.466	105	26701	0.867	ug/l	99
79) sec-Butylbenzene	11.639	105	34505	0.840	ug/l	97
80) Nitrobenzene	13.215	77	1608	4.210	ug/l #	94
81) p-Isopropyltoluene	11.787	119	28046	0.862	ug/l	98
82) 1,3-Dichlorobenzene	11.742	146	13376	0.865	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	13785	0.873	ug/l	100
84) n-Butylbenzene	12.205	91	28382	0.842	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	12769	0.866	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.993	75	856	0.991	ug/l #	72
87) 1,2,4-Trichlorobenzene	13.839	180	7518	0.831	ug/l	97
88) Hexachlorobutadiene	14.015	225	3968	0.898	ug/l	89
89) Naphthalene	14.086	128	16052	0.829	ug/l	100
90) 1,2,3-Trichlorobenzene	14.327	180	6895	0.866	ug/l	96

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

