

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
 Data File : VU054873.D
 Acq On : 25 Jul 2023 19:30
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU072523

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
 Supervised By :Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 27 14:44:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	27034	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	9935	1.212	ug/l	0.00
Spiked Amount 1.000			Recovery	=	121.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10155	1.096	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	40436	7.855	ug/l	100
3) Chloromethane	1.518	50	58857	10.178	ug/l	97
4) Vinyl Chloride	1.602	62	76940	9.962	ug/l	99
5) Bromomethane	1.856	94	64180	10.475	ug/l	97
6) Chloroethane	1.930	64	83863	10.506	ug/l	97
7) Trichlorofluoromethane	2.133	101	170494	9.397	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	53842	9.157	ug/l	98
9) 1,1-Dichloroethene	2.576	96	49615	10.630	ug/l	98
10) Iodomethane	2.718	142	78306	10.747	ug/l	100
11) Allyl Chloride	2.920	41	60922	10.922	ug/l	92
12) Acrylonitrile	3.316	53	59566	50.853	ug/l	96
13) Acetone	2.644	43	40914	33.419	ug/l	97
14) Carbon Disulfide	2.789	76	98858	12.226	ug/l	99
15) Methylene Chloride	3.039	84	59575	10.002	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	55713	10.965	ug/l	90
17) 1,1-Dichloroethane	3.862	63	114293	10.057	ug/l	98
18) 2-Butanone	4.708	43	69683	45.119	ug/l	96
19) Cyclohexane	5.383	56	65403	10.228	ug/l	87
20) Methylcyclohexane	6.759	83	92302	10.795	ug/l	99
21) 2,2-Dichloropropane	4.660	77	94255	8.948	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	73117	10.828	ug/l	99
23) Diethyl Ether	2.374	59	66499	9.658	ug/l	97
24) tert-Butyl Alcohol	3.235	59	22677m	35.400	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	152895	10.586	ug/l	100
26) Bromochloromethane	4.972	128	19378	6.997	ug/l	93
27) Chloroform	5.081	83	127241	10.426	ug/l	97
28) 1,1,1-Trichloroethane	5.313	97	105623	10.021	ug/l	99
29) 1,1-Dichloropropene	5.522	75	81654	10.501	ug/l	98
30) Carbon Tetrachloride	5.518	117	90822	10.322	ug/l	96
31) Isopropyl Ether	3.988	45	178157	10.621	ug/l	# 1
34) Propionitrile	4.782	54	49025	115.140	ug/l	# 98
35) Benzene	5.769	78	256456	10.533	ug/l	99
36) 1,2-Dichloroethane	5.788	62	73182	10.565	ug/l	99
37) Trichloroethene	6.538	130	67197	10.261	ug/l	93
38) 1,2-Dichloropropane	6.785	63	68993	10.024	ug/l	99
39) Methacrylonitrile	4.972	41	16347	9.576	ug/l	96
40) Methyl acrylate	4.846	55	30780	11.340	ug/l	# 95
41) Tetrahydrofuran	5.055	42	46378	47.516	ug/l	96
42) 1-Chlorobutane	5.454	56	105236	10.337	ug/l	98
43) Dibromomethane	6.914	93	36261	11.216	ug/l	97
44) Bromodichloromethane	7.100	83	94730	10.517	ug/l	# 99
45) 4-Methyl-2-Pentanone	7.785	43	193362	51.258	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	16847m	11.099	ug/l	

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47) Methyl methacrylate	6.956	69	31671	10.715	ug/l	97
48) Ethyl methacrylate	8.328	69	67040	11.214	ug/l	97
49) Toluene	7.965	92	168069	10.835	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	86017	10.756	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	103721	10.551	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	51629	10.073	ug/l	95
53) 1,3-Dichloropropane	8.570	76	89282	10.769	ug/l	99
54) 2-Hexanone	8.682	43	134623	50.222	ug/l	99
55) Dibromochloromethane	8.804	129	61037	10.394	ug/l	97
56) 1,2-Dibromoethane	8.920	107	49401	11.374	ug/l	98
58) Tetrachloroethene	8.547	164	60946	10.662	ug/l	95
59) Chlorobenzene	9.444	112	188417	10.010	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.528	131	71805	10.805	ug/l	99
61) Pentachloroethane	11.422	117	57591	11.093	ug/l	100
62) Hexachloroethane	12.473	117	56985	10.673	ug/l	98
63) Ethyl Benzene	9.566	91	339469	10.748	ug/l	99
64) m/p-Xylenes	9.689	106	255474	21.619	ug/l	97
65) o-Xylene	10.097	106	126827	10.449	ug/l	98
66) Styrene	10.110	104	212286	10.939	ug/l	99
67) Bromoform	10.287	173	33966	11.154	ug/l	99
69) Isopropylbenzene	10.480	105	344284	10.566	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	66944	10.552	ug/l	95
71) 1,2,3-Trichloropropane	10.820	75	43921m	9.720	ug/l	
72) Bromobenzene	10.779	156	78398	10.806	ug/l	100
73) n-propylbenzene	10.901	120	94981	10.891	ug/l	95
74) 2-Chlorotoluene	10.981	126	81836	10.840	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	288601	10.937	ug/l	100
76) 4-Chlorotoluene	11.094	126	86328	11.007	ug/l	97
77) tert-Butylbenzene	11.415	119	296679	10.811	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	280654	10.389	ug/l	98
79) sec-Butylbenzene	11.640	105	384829	10.787	ug/l	100
80) Nitrobenzene	13.216	77	1775	10.649	ug/l #	92
81) p-Isopropyltoluene	11.788	119	310114	11.014	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	159125	10.302	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	160375	10.416	ug/l	99
84) n-Butylbenzene	12.203	91	280591	11.095	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	154357	10.425	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	9479	11.239	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	98076	10.386	ug/l	98
88) Hexachlorobutadiene	14.016	225	52377	10.400	ug/l	99
89) Naphthalene	14.081	128	149962	10.255	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	86114	10.278	ug/l	99

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

