

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
 Data File : VU054870.D
 Acq On : 25 Jul 2023 13:22
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

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

Quant Time: Jul 26 09:16:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 08:39:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	28020	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8966	1.055	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9444	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	52118	9.768	ug/l	97
3) Chloromethane	1.518	50	57349	9.568	ug/l	99
4) Vinyl Chloride	1.602	62	78230	9.773	ug/l	99
5) Bromomethane	1.856	94	62715	9.876	ug/l	98
6) Chloroethane	1.930	64	85855	10.377	ug/l	100
7) Trichlorofluoromethane	2.132	101	179004	9.519	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	57646	9.459	ug/l	97
9) 1,1-Dichloroethene	2.576	96	47914	9.904	ug/l	99
10) Iodomethane	2.718	142	76989	10.194	ug/l	99
11) Allyl Chloride	2.920	41	55522	9.603	ug/l	99
12) Acrylonitrile	3.322	53	24160	19.873	ug/l	96
13) Acetone	2.644	43	61085	47.291	ug/l	90
14) Carbon Disulfide	2.788	76	77619	9.261	ug/l	98
15) Methylene Chloride	3.042	84	59048	9.563	ug/l	97
16) trans-1,2-Dichloroethene	3.348	96	51064	9.696	ug/l	91
17) 1,1-Dichloroethane	3.862	63	113071	9.600	ug/l	98
18) 2-Butanone	4.711	43	85401	51.360	ug/l	94
19) Cyclohexane	5.383	56	65377	9.864	ug/l	93
20) Methylcyclohexane	6.759	83	88666	10.005	ug/l	98
21) 2,2-Dichloropropane	4.660	77	101481	9.295	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	69208	9.888	ug/l	97
23) Diethyl Ether	2.374	59	68672	9.622	ug/l	99
24) tert-Butyl Alcohol	3.235	59	53920m	81.120	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	148815	9.941	ug/l	99
26) Bromochloromethane	4.972	128	28305	9.861	ug/l	99
27) Chloroform	5.084	83	125530	9.924	ug/l	100
28) 1,1,1-Trichloroethane	5.312	97	106374	9.737	ug/l	99
29) 1,1-Dichloropropene	5.521	75	78668	9.761	ug/l	99
30) Carbon Tetrachloride	5.521	117	88028	9.653	ug/l	97
31) Isopropyl Ether	3.991	45	171863	9.885	ug/l	100
32) Ethyl-t-butyl ether	4.499	59	174253	9.734	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	165166	9.759	ug/l	100
34) Propionitrile	4.791	54	25177	54.919	ug/l #	96
35) Benzene	5.772	78	250049	9.908	ug/l	100
36) 1,2-Dichloroethane	5.791	62	70462	9.814	ug/l	100
37) Trichloroethene	6.537	130	66891	9.855	ug/l	95
38) 1,2-Dichloropropane	6.788	63	72392	10.147	ug/l	99
39) Methacrylonitrile	4.978	41	18343	10.304	ug/l	91
40) Methyl acrylate	4.849	55	30960	10.958	ug/l	98
41) Tetrahydrofuran	5.062	42	18667	18.225	ug/l	99
42) 1-Chlorobutane	5.454	56	99353	9.415	ug/l	100
43) Dibromomethane	6.917	93	34472	10.287	ug/l	97
44) Bromodichloromethane	7.103	83	95040	10.180	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	198687	50.816	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	36990m	23.161	ug/l	
47) Methyl methacrylate	6.959	69	64773	21.143	ug/l	98
48) Ethyl methacrylate	8.332	69	65916	10.638	ug/l	95
49) Toluene	7.965	92	159218	9.904	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	84773	10.227	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	103512	10.160	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	51636	9.720	ug/l	93
53) 1,3-Dichloropropane	8.573	76	85697	9.972	ug/l	97
54) 2-Hexanone	8.682	43	147550	53.107	ug/l	99
55) Dibromochloromethane	8.807	129	62197	10.219	ug/l	94
56) 1,2-Dibromoethane	8.920	107	46610	10.353	ug/l	100
58) Tetrachloroethene	8.550	164	57553	9.714	ug/l	94
59) Chlorobenzene	9.444	112	191805	9.831	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	68837	9.994	ug/l	97
61) Pentachloroethane	11.425	117	56605	10.519	ug/l	100
62) Hexachloroethane	12.473	117	59117	10.683	ug/l	97
63) Ethyl Benzene	9.566	91	331517	10.127	ug/l	100
64) m/p-Xylenes	9.692	106	247584	20.214	ug/l	100
65) o-Xylene	10.097	106	126702	10.071	ug/l	96
66) Styrene	10.113	104	210203	10.450	ug/l	99
67) Bromoform	10.286	173	35520	11.254	ug/l	98
69) Isopropylbenzene	10.483	105	342807	10.150	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	68629	10.437	ug/l	97
71) 1,2,3-Trichloropropane	10.823	75	45806m	9.705	ug/l	
72) Bromobenzene	10.778	156	78098	10.386	ug/l	99
73) n-propylbenzene	10.904	120	93497	10.344	ug/l	96
74) 2-Chlorotoluene	10.984	126	80636	10.305	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	283705	10.373	ug/l	100
76) 4-Chlorotoluene	11.093	126	85977	10.576	ug/l	100
77) tert-Butylbenzene	11.418	119	292045	10.267	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	292413	10.443	ug/l	100
79) sec-Butylbenzene	11.640	105	386864	10.462	ug/l	100
80) Nitrobenzene	13.206	77	9728	56.315	ug/l #	97
81) p-Isopropyltoluene	11.791	119	315549	10.813	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	161111	10.064	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	160784	10.075	ug/l	98
84) n-Butylbenzene	12.206	91	296857	11.325	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	150927	9.835	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	9676	11.069	ug/l	95
87) 1,2,4-Trichlorobenzene	13.836	180	100837	10.303	ug/l	98
88) Hexachlorobutadiene	14.016	225	54091	10.362	ug/l	99
89) Naphthalene	14.084	128	157249	10.375	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	87083	10.028	ug/l	99

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

