

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054875.D
 Acq On : 26 Jul 2023 13:21
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU072623

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 03:09:36 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	27955	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	11816	1.394	ug/l	0.00
Spiked Amount 1.000			Recovery	=	139.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11034	1.152	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	39713	7.460	ug/l	98
3) Chloromethane	1.518	50	56753	9.490	ug/l	95
4) Vinyl Chloride	1.602	62	73579	9.213	ug/l	98
5) Bromomethane	1.856	94	59192	9.342	ug/l	99
6) Chloroethane	1.930	64	70584	8.551	ug/l	99
7) Trichlorofluoromethane	2.136	101	171936	9.164	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	53269	8.761	ug/l	97
9) 1,1-Dichloroethene	2.576	96	47160	9.771	ug/l	95
10) Iodomethane	2.718	142	75834	10.065	ug/l	98
11) Allyl Chloride	2.920	41	59267	10.275	ug/l	92
12) Acrylonitrile	3.319	53	56581	46.713	ug/l	95
13) Acetone	2.650	43	50799m	40.126	ug/l	
14) Carbon Disulfide	2.788	76	92423	11.054	ug/l	99
15) Methylene Chloride	3.039	84	65993	10.718	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	51232	9.751	ug/l	92
17) 1,1-Dichloroethane	3.865	63	110011	9.362	ug/l	98
18) 2-Butanone	4.714	43	68144	42.669	ug/l	100
19) Cyclohexane	5.386	56	71953m	10.882	ug/l	
20) Methylcyclohexane	6.762	83	89710	10.146	ug/l	99
21) 2,2-Dichloropropane	4.660	77	100571	9.233	ug/l	98
22) cis-1,2-Dichloroethene	4.663	96	72246	10.347	ug/l	97
23) Diethyl Ether	2.374	59	64373	9.041	ug/l	99
24) tert-Butyl Alcohol	3.177	59	34178m	51.595	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	146707	9.823	ug/l	100
26) Bromochloromethane	4.968	128	26052	9.097	ug/l	98
27) Chloroform	5.084	83	123441	9.781	ug/l	93
28) 1,1,1-Trichloroethane	5.312	97	101525	9.315	ug/l	99
29) 1,1-Dichloropropene	5.521	75	78022	9.704	ug/l	98
30) Carbon Tetrachloride	5.521	117	87706	9.640	ug/l	99
31) Isopropyl Ether	3.988	45	168573	9.719	ug/l	# 1
34) Propionitrile	4.788	54	49598	112.648	ug/l	# 97
35) Benzene	5.769	78	251058	9.971	ug/l	99
36) 1,2-Dichloroethane	5.791	62	70278	9.811	ug/l	99
37) Trichloroethene	6.541	130	64620	9.543	ug/l	98
38) 1,2-Dichloropropane	6.785	63	69061	9.703	ug/l	95
39) Methacrylonitrile	4.972	41	16780	9.506	ug/l	93
40) Methyl acrylate	4.846	55	29362	10.462	ug/l	# 94
41) Tetrahydrofuran	5.062	42	44653	44.242	ug/l	94
42) 1-Chlorobutane	5.454	56	103036	9.787	ug/l	100
43) Dibromomethane	6.917	93	35355	10.575	ug/l	96
44) Bromodichloromethane	7.103	83	92634	9.945	ug/l	100
45) 4-Methyl-2-Pentanone	7.788	43	191968	49.212	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	31383m	19.995	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.962	69	32611	10.670	ug/l	96
48) Ethyl methacrylate	8.328	69	62379	10.090	ug/l	100
49) Toluene	7.965	92	157778	9.837	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	83718	10.123	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	102717	10.105	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	49216	9.286	ug/l	94
53) 1,3-Dichloropropane	8.573	76	85037	9.919	ug/l	96
54) 2-Hexanone	8.682	43	133966	48.330	ug/l	98
55) Dibromochloromethane	8.807	129	59977	9.877	ug/l	99
56) 1,2-Dibromoethane	8.920	107	46802	10.420	ug/l	100
58) Tetrachloroethene	8.550	164	59824	10.121	ug/l	97
59) Chlorobenzene	9.444	112	177534	9.121	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	66340	9.654	ug/l	97
61) Pentachloroethane	11.421	117	53773	10.016	ug/l	100
62) Hexachloroethane	12.470	117	55813	10.109	ug/l	97
63) Ethyl Benzene	9.566	91	325432	9.964	ug/l	100
64) m/p-Xylenes	9.692	106	246824	20.199	ug/l	98
65) o-Xylene	10.097	106	123237	9.819	ug/l	97
66) Styrene	10.110	104	206660	10.298	ug/l	99
67) Bromoform	10.286	173	32892	10.445	ug/l	98
69) Isopropylbenzene	10.479	105	331134	9.827	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	63882	9.738	ug/l	96
71) 1,2,3-Trichloropropane	10.820	75	49685m	10.633	ug/l	
72) Bromobenzene	10.778	156	76630	10.214	ug/l	99
73) n-propylbenzene	10.904	120	90777	10.066	ug/l	96
74) 2-Chlorotoluene	10.981	126	80269	10.282	ug/l	94
75) 1,3,5-Trimethylbenzene	11.084	105	280639	10.284	ug/l	99
76) 4-Chlorotoluene	11.094	126	83143	10.251	ug/l	98
77) tert-Butylbenzene	11.415	119	284701	10.033	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	272947	9.771	ug/l	98
79) sec-Butylbenzene	11.640	105	376278	10.200	ug/l	100
80) Nitrobenzene	13.212	77	1571	9.115	ug/l #	76
81) p-Isopropyltoluene	11.788	119	303750	10.433	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	156600	9.805	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	153096	9.616	ug/l	99
84) n-Butylbenzene	12.206	91	268609	10.271	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	147309	9.622	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	9190	10.537	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	92759	9.499	ug/l	99
88) Hexachlorobutadiene	14.016	225	52728	10.125	ug/l	97
89) Naphthalene	14.084	128	142719	9.438	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	81218	9.374	ug/l	99

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

