

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054844.D
 Acq On : 21 Jul 2023 18:09
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jul 24 09:33:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 08:47:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	26814	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8910	1.100	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9823	1.048	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	26147	4.901	ug/l	94
3) Chloromethane	1.518	50	30534	4.928	ug/l	94
4) Vinyl Chloride	1.602	62	40039	5.034	ug/l	100
5) Bromomethane	1.856	94	28988	5.135	ug/l	96
6) Chloroethane	1.930	64	37527	4.993	ug/l	97
7) Trichlorofluoromethane	2.136	101	99853	5.180	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	28489	5.158	ug/l	98
9) 1,1-Dichloroethene	2.576	96	23309	5.053	ug/l	86
10) Iodomethane	2.718	142	38710	5.210	ug/l	99
11) Allyl Chloride	2.920	41	26668	4.928	ug/l	98
12) Acrylonitrile	3.325	53	11695m	10.583	ug/l	
13) Acetone	2.647	43	23459m	24.097	ug/l	
14) Carbon Disulfide	2.789	76	40571	5.217	ug/l	98
15) Methylene Chloride	3.043	84	37142	5.250	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	25074	4.892	ug/l	98
17) 1,1-Dichloroethane	3.866	63	57005	5.255	ug/l	98
18) 2-Butanone	4.718	43	37365	27.079	ug/l	91
19) Cyclohexane	5.383	56	31811	4.486	ug/l	90
20) Methylcyclohexane	6.759	83	43352	5.198	ug/l	98
21) 2,2-Dichloropropane	4.660	77	48468	5.123	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	32855	5.062	ug/l	97
23) Diethyl Ether	2.374	59	36957	5.215	ug/l	99
24) tert-Butyl Alcohol	3.248	59	32633m	49.415	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	73708	5.237	ug/l	98
26) Bromochloromethane	4.968	128	14063	5.684	ug/l	96
27) Chloroform	5.084	83	60749	5.097	ug/l	99
28) 1,1,1-Trichloroethane	5.313	97	52806	5.272	ug/l	98
29) 1,1-Dichloropropene	5.521	75	38568	5.413	ug/l	98
30) Carbon Tetrachloride	5.518	117	43355	5.208	ug/l	97
31) Isopropyl Ether	3.991	45	81564	5.081	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	84424	5.118	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	79941	5.149	ug/l	99
34) Propionitrile	4.805	54	11317m	24.999	ug/l	
35) Benzene	5.769	78	122395	5.286	ug/l	95
36) 1,2-Dichloroethane	5.792	62	33777	5.078	ug/l	97
37) Trichloroethene	6.541	130	31553	5.043	ug/l	90
38) 1,2-Dichloropropane	6.785	63	34170	5.112	ug/l	99
39) Methacrylonitrile	4.972	41	8124	4.927	ug/l	98
40) Methyl acrylate	4.853	55	15674	5.582	ug/l	95
41) Tetrahydrofuran	5.068	42	9542	9.935	ug/l	97
42) 1-Chlorobutane	5.454	56	49266	5.112	ug/l	97
43) Dibromomethane	6.917	93	17299	5.564	ug/l	94
44) Bromodichloromethane	7.100	83	44571	5.232	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	95903	26.063	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	16186m	10.463	ug/l	
47) Methyl methacrylate	6.959	69	30714	10.516	ug/l	96
48) Ethyl methacrylate	8.328	69	30922	5.211	ug/l	98
49) Toluene	7.965	92	76431	5.173	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	39627	5.248	ug/l	94
51) cis-1,3-Dichloropropene	7.602	75	49042	5.342	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	25395	5.414	ug/l	93
53) 1,3-Dichloropropane	8.573	76	40480	5.120	ug/l	96
54) 2-Hexanone	8.682	43	67952	26.488	ug/l	99
55) Dibromochloromethane	8.808	129	29411	5.247	ug/l	97
56) 1,2-Dibromoethane	8.920	107	22247	5.422	ug/l	99
58) Tetrachloroethene	8.550	164	28671	5.258	ug/l	96
59) Chlorobenzene	9.444	112	93008	5.281	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	32828	5.281	ug/l	96
61) Pentachloroethane	11.422	117	25683	5.248	ug/l	99
62) Hexachloroethane	12.470	117	26408	5.253	ug/l	97
63) Ethyl Benzene	9.566	91	159462	5.312	ug/l	99
64) m/p-Xylenes	9.689	106	115756	10.199	ug/l	98
65) o-Xylene	10.097	106	59432	5.199	ug/l	98
66) Styrene	10.110	104	96911	5.276	ug/l	100
67) Bromoform	10.287	173	15825	5.240	ug/l	99
69) Isopropylbenzene	10.480	105	161772	5.215	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	30103	5.146	ug/l	100
71) 1,2,3-Trichloropropane	10.820	75	22174m	5.517	ug/l	
72) Bromobenzene	10.779	156	36921	5.160	ug/l	99
73) n-propylbenzene	10.901	120	43904	5.268	ug/l	95
74) 2-Chlorotoluene	10.981	126	37125	5.116	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	131834	5.217	ug/l	100
76) 4-Chlorotoluene	11.094	126	39471	5.291	ug/l	100
77) tert-Butylbenzene	11.415	119	135675	5.214	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	133875	5.268	ug/l	98
79) sec-Butylbenzene	11.640	105	178458	5.285	ug/l	100
80) Nitrobenzene	13.206	77	4483	22.819	ug/l	96
81) p-Isopropyltoluene	11.788	119	147949	5.379	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	73211	5.111	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	74457	5.182	ug/l	98
84) n-Butylbenzene	12.206	91	135861	5.369	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	70455	5.164	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4335	5.290	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	44735	5.114	ug/l	96
88) Hexachlorobutadiene	14.016	225	25664	5.492	ug/l	94
89) Naphthalene	14.084	128	71020	5.020	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	39280	5.196	ug/l	96

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

