

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054878.D
 Acq On : 26 Jul 2023 16:06
 Operator : MD/SY
 Sample : VU0726WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0726WBS01

Quant Time: Jul 28 03:21:11 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	28917	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8372	0.955	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10104	1.020	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	9064	1.646	ug/l	99
3) Chloromethane	1.518	50	10883	1.759	ug/l	99
4) Vinyl Chloride	1.602	62	14526	1.758	ug/l	95
5) Bromomethane	1.856	94	12982	1.981	ug/l	96
6) Chloroethane	1.930	64	13788	1.615	ug/l	98
7) Trichlorofluoromethane	2.132	101	30191	1.556	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10734	1.707	ug/l	98
9) 1,1-Dichloroethene	2.576	96	8444	1.691	ug/l	92
10) Iodomethane	2.718	142	11543	1.481	ug/l	98
11) Allyl Chloride	2.920	41	10596	1.776	ug/l	89
12) Acrylonitrile	3.332	53	4834	3.858	ug/l	# 77
13) Acetone	2.644	43	14074	10.747	ug/l	89
14) Carbon Disulfide	2.788	76	13792	1.595	ug/l	# 89
15) Methylene Chloride	3.042	84	13348	2.054	ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	9236	1.699	ug/l	94
17) 1,1-Dichloroethane	3.862	63	19914	1.638	ug/l	98
18) 2-Butanone	4.718	43	17885	10.826	ug/l	99
19) Cyclohexane	5.390	56	13511m	1.975	ug/l	
20) Methylcyclohexane	6.759	83	15668	1.713	ug/l	99
21) 2,2-Dichloropropane	4.660	77	19524	1.733	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	12549	1.737	ug/l	95
23) Diethyl Ether	2.374	59	13643	1.852	ug/l	98
24) tert-Butyl Alcohol	3.213	59	12173m	17.765	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	29316	1.898	ug/l	100
26) Bromochloromethane	4.965	128	5085	1.717	ug/l	99
27) Chloroform	5.084	83	22980	1.760	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	19795	1.756	ug/l	97
29) 1,1-Dichloropropene	5.525	75	14281	1.717	ug/l	94
30) Carbon Tetrachloride	5.521	117	15222	1.617	ug/l	97
31) Isopropyl Ether	3.994	45	31640	1.763	ug/l	98
32) Ethyl-t-butyl ether	4.499	59	31913	1.727	ug/l	95
33) Tert-Amyl methyl ether	5.936	73	32080	1.837	ug/l	100
34) Propionitrile	4.817	54	4695m	10.309	ug/l	
35) Benzene	5.772	78	44000	1.689	ug/l	98
36) 1,2-Dichloroethane	5.792	62	13343	1.801	ug/l	97
37) Trichloroethene	6.541	130	11826	1.688	ug/l	83
38) 1,2-Dichloropropane	6.788	63	13257	1.801	ug/l	# 87
39) Methacrylonitrile	4.978	41	3429m	1.878	ug/l	
40) Methyl acrylate	4.859	55	5316m	1.831	ug/l	
41) Tetrahydrofuran	5.068	42	3644	3.490	ug/l	94
42) 1-Chlorobutane	5.457	56	17797	1.634	ug/l	96
43) Dibromomethane	6.917	93	6440	1.862	ug/l	# 85
44) Bromodichloromethane	7.103	83	16943	1.758	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	38024	9.423	ug/l	100
46) t-1,4-Dichloro-2-butene	10.833	75	6102m	3.758	ug/l	
47) Methyl methacrylate	6.959	69	12288	3.887	ug/l	97
48) Ethyl methacrylate	8.335	69	11757	1.839	ug/l	98
49) Toluene	7.965	92	29027	1.750	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	14352	1.678	ug/l	100
51) cis-1,3-Dichloropropene	7.608	75	17745	1.688	ug/l	94
52) 1,1,2-Trichloroethane	8.399	97	10614	1.936	ug/l	93
53) 1,3-Dichloropropane	8.573	76	17014	1.918	ug/l	95
54) 2-Hexanone	8.685	43	29159	10.170	ug/l	99
55) Dibromochloromethane	8.804	129	11271	1.794	ug/l	98
56) 1,2-Dibromoethane	8.920	107	8691	1.871	ug/l	91
58) Tetrachloroethene	8.550	164	11351	1.856	ug/l	95
59) Chlorobenzene	9.444	112	35009	1.739	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.534	131	12259	1.725	ug/l	97
61) Pentachloroethane	11.425	117	8680	1.563	ug/l	97
62) Hexachloroethane	12.473	117	9840	1.723	ug/l	96
63) Ethyl Benzene	9.569	91	58632	1.735	ug/l	97
64) m/p-Xylenes	9.692	106	45088	3.567	ug/l	100
65) o-Xylene	10.097	106	22144	1.706	ug/l	97
66) Styrene	10.113	104	36015	1.735	ug/l	99
67) Bromoform	10.290	173	6507	1.998	ug/l #	87
69) Isopropylbenzene	10.483	105	59815	1.716	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.778	83	13136	1.936	ug/l #	91
71) 1,2,3-Trichloropropane	10.820	75	8589m	1.777	ug/l	
72) Bromobenzene	10.782	156	14323	1.846	ug/l	96
73) n-propylbenzene	10.904	120	16083	1.724	ug/l	100
74) 2-Chlorotoluene	10.984	126	14414	1.785	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	49168	1.742	ug/l	99
76) 4-Chlorotoluene	11.094	126	14660	1.747	ug/l	98
77) tert-Butylbenzene	11.415	119	51129	1.742	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	50188	1.737	ug/l	99
79) sec-Butylbenzene	11.640	105	65240	1.710	ug/l	100
80) Nitrobenzene	13.209	77	1395m	7.824	ug/l	
81) p-Isopropyltoluene	11.791	119	51536	1.711	ug/l	100
82) 1,3-Dichlorobenzene	11.743	146	30018	1.817	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	29937	1.818	ug/l	98
84) n-Butylbenzene	12.206	91	43270	1.600	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	28254	1.784	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1402	1.554	ug/l	90
87) 1,2,4-Trichlorobenzene	13.839	180	16876	1.671	ug/l	98
88) Hexachlorobutadiene	14.016	225	9527	1.768	ug/l	96
89) Naphthalene	14.087	128	26767	1.711	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	14606	1.630	ug/l	98

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

