

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054879.D
 Acq On : 26 Jul 2023 16:30
 Operator : MD/SY
 Sample : VU0726WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0726WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 03:21:56 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	28380	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8266	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	9786	1.006	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.384	85	9807	1.815	ug/l	96
3) Chloromethane	1.519	50	10722	1.766	ug/l	95
4) Vinyl Chloride	1.599	62	14745	1.819	ug/l	100
5) Bromomethane	1.853	94	11640	1.810	ug/l	99
6) Chloroethane	1.930	64	12855	1.534	ug/l	98
7) Trichlorofluoromethane	2.133	101	29997	1.575	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	9832	1.593	ug/l	98
9) 1,1-Dichloroethene	2.576	96	7919	1.616	ug/l	99
10) Iodomethane	2.718	142	11981	1.566	ug/l	98
11) Allyl Chloride	2.920	41	10149	1.733	ug/l	95
12) Acrylonitrile	3.335	53	4370m	3.554	ug/l	
13) Acetone	2.654	43	12238m	9.522	ug/l	
14) Carbon Disulfide	2.789	76	14103	1.661	ug/l	96
15) Methylene Chloride	3.039	84	12886	2.020	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	9343	1.752	ug/l	83
17) 1,1-Dichloroethane	3.866	63	20138	1.688	ug/l	95
18) 2-Butanone	4.724	43	15775m	9.730	ug/l	
19) Cyclohexane	5.380	56	13126m	1.955	ug/l	
20) Methylcyclohexane	6.756	83	14999	1.671	ug/l	97
21) 2,2-Dichloropropane	4.660	77	18825	1.702	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	12330	1.739	ug/l	95
23) Diethyl Ether	2.374	59	12831	1.775	ug/l	94
24) tert-Butyl Alcohol	3.239	59	12475m	18.550	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	28583	1.885	ug/l	99
26) Bromochloromethane	4.969	128	5378	1.850	ug/l	90
27) Chloroform	5.084	83	22963	1.792	ug/l	90
28) 1,1,1-Trichloroethane	5.313	97	19439	1.757	ug/l	95
29) 1,1-Dichloropropene	5.518	75	14093	1.726	ug/l	96
30) Carbon Tetrachloride	5.522	117	14957	1.619	ug/l	92
31) Isopropyl Ether	3.988	45	30452	1.729	ug/l	94
32) Ethyl-t-butyl ether	4.496	59	32817	1.810	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	29622	1.728	ug/l	98
34) Propionitrile	4.801	54	4302m	9.624	ug/l	
35) Benzene	5.772	78	44204	1.729	ug/l	98
36) 1,2-Dichloroethane	5.792	62	13189	1.814	ug/l	96
37) Trichloroethene	6.541	130	12033	1.750	ug/l	99
38) 1,2-Dichloropropane	6.785	63	12922	1.788	ug/l	92
39) Methacrylonitrile	4.978	41	3962	2.211	ug/l #	68
40) Methyl acrylate	4.859	55	5336m	1.873	ug/l	
41) Tetrahydrofuran	5.068	42	3709	3.620	ug/l #	78
42) 1-Chlorobutane	5.454	56	18479	1.729	ug/l	98
43) Dibromomethane	6.920	93	6263	1.845	ug/l	96
44) Bromodichloromethane	7.104	83	16731	1.769	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	37952	9.583	ug/l	97
46) t-1,4-Dichloro-2-butene	10.830	75	5809m	3.646	ug/l	
47) Methyl methacrylate	6.965	69	12351	3.980	ug/l	97
48) Ethyl methacrylate	8.332	69	12480	1.989	ug/l	99
49) Toluene	7.968	92	27896	1.713	ug/l	97
50) t-1,3-Dichloropropene	8.210	75	14586	1.737	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	17475	1.693	ug/l	95
52) 1,1,2-Trichloroethane	8.399	97	10332	1.920	ug/l #	75
53) 1,3-Dichloropropane	8.573	76	16597	1.907	ug/l	98
54) 2-Hexanone	8.682	43	26592	9.450	ug/l	96
55) Dibromochloromethane	8.808	129	10914	1.770	ug/l	100
56) 1,2-Dibromoethane	8.920	107	8754	1.920	ug/l	95
58) Tetrachloroethene	8.550	164	11091	1.848	ug/l	93
59) Chlorobenzene	9.444	112	33791	1.710	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	11480	1.646	ug/l	91
61) Pentachloroethane	11.425	117	8584	1.575	ug/l	97
62) Hexachloroethane	12.473	117	8891	1.586	ug/l	96
63) Ethyl Benzene	9.567	91	56676	1.709	ug/l	97
64) m/p-Xylenes	9.692	106	43976	3.545	ug/l	98
65) o-Xylene	10.097	106	21489	1.686	ug/l	98
66) Styrene	10.113	104	36370	1.785	ug/l	97
67) Bromoform	10.287	173	5945	1.860	ug/l #	94
69) Isopropylbenzene	10.483	105	59221	1.731	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.779	83	12405	1.863	ug/l #	95
71) 1,2,3-Trichloropropane	10.820	75	9232m	1.946	ug/l	
72) Bromobenzene	10.782	156	14409	1.892	ug/l	99
73) n-propylbenzene	10.904	120	15579	1.702	ug/l	98
74) 2-Chlorotoluene	10.984	126	14489	1.828	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	47009	1.697	ug/l	98
76) 4-Chlorotoluene	11.097	126	14695	1.785	ug/l	98
77) tert-Butylbenzene	11.415	119	49741	1.727	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	49292	1.738	ug/l	98
79) sec-Butylbenzene	11.640	105	63562	1.697	ug/l	99
80) Nitrobenzene	13.213	77	1559	8.910	ug/l #	59
81) p-Isopropyltoluene	11.791	119	50537	1.710	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	29823	1.839	ug/l	100
83) 1,4-Dichlorobenzene	11.837	146	28979	1.793	ug/l	100
84) n-Butylbenzene	12.206	91	45510	1.714	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	26655	1.715	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1598	1.805	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	17099	1.725	ug/l	98
88) Hexachlorobutadiene	14.017	225	9093	1.720	ug/l	95
89) Naphthalene	14.084	128	31092	2.025	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	15797	1.796	ug/l	97

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

