

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
 Data File : VU054908.D
 Acq On : 28 Jul 2023 12:25
 Operator : MD/SY
 Sample : VU0728WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0728WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 23:12:09 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	24167	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7344	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	9152	1.105	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	8276	1.798	ug/l	100
3) Chloromethane	1.515	50	10217	1.976	ug/l	99
4) Vinyl Chloride	1.599	62	13737	1.990	ug/l	94
5) Bromomethane	1.853	94	10295	1.880	ug/l	84
6) Chloroethane	1.930	64	12454	1.745	ug/l	90
7) Trichlorofluoromethane	2.133	101	27756	1.711	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10623	2.021	ug/l	91
9) 1,1-Dichloroethene	2.576	96	7663	1.837	ug/l	87
10) Iodomethane	2.718	142	11594	1.780	ug/l	99
11) Allyl Chloride	2.920	41	9957	1.997	ug/l	97
12) Acrylonitrile	3.329	53	4310m	4.116	ug/l	
13) Acetone	2.641	43	10912	9.970	ug/l	91
14) Carbon Disulfide	2.785	76	13197	1.826	ug/l	95
15) Methylene Chloride	3.043	84	13103	2.422	ug/l	97
16) trans-1,2-Dichloroethene	3.351	96	9077	1.998	ug/l	98
17) 1,1-Dichloroethane	3.869	63	20611	2.029	ug/l	94
18) 2-Butanone	4.724	43	16502	11.953	ug/l	96
19) Cyclohexane	5.390	56	12483m	2.184	ug/l	
20) Methylcyclohexane	6.759	83	15652	2.048	ug/l	96
21) 2,2-Dichloropropane	4.657	77	17444	1.852	ug/l	97
22) cis-1,2-Dichloroethene	4.663	96	12165	2.015	ug/l	93
23) Diethyl Ether	2.374	59	13023	2.116	ug/l	97
24) tert-Butyl Alcohol	3.226	59	12577m	21.962	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	28089	2.176	ug/l	97
26) Bromochloromethane	4.975	128	5150	2.080	ug/l	99
27) Chloroform	5.084	83	22708	2.081	ug/l	99
28) 1,1,1-Trichloroethane	5.313	97	18105	1.921	ug/l	98
29) 1,1-Dichloropropene	5.525	75	13624	1.960	ug/l	98
30) Carbon Tetrachloride	5.525	117	14952	1.901	ug/l	92
31) Isopropyl Ether	3.988	45	30274	2.019	ug/l	100
32) Ethyl-t-butyl ether	4.496	59	30810	1.996	ug/l	95
33) Tert-Amyl methyl ether	5.936	73	29387	2.013	ug/l	96
34) Propionitrile	4.805	54	4874m	12.805	ug/l	
35) Benzene	5.772	78	43649	2.005	ug/l	99
36) 1,2-Dichloroethane	5.792	62	13956	2.254	ug/l	96
37) Trichloroethene	6.541	130	11933	2.038	ug/l	96
38) 1,2-Dichloropropane	6.785	63	13046	2.120	ug/l	95
39) Methacrylonitrile	4.981	41	3406m	2.232	ug/l	
40) Methyl acrylate	4.859	55	5835m	2.405	ug/l	
41) Tetrahydrofuran	5.065	42	4111	4.712	ug/l	# 68
42) 1-Chlorobutane	5.454	56	17418	1.914	ug/l	92
43) Dibromomethane	6.917	93	6201	2.146	ug/l	96
44) Bromodichloromethane	7.103	83	17187	2.134	ug/l	# 89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	38329	11.366	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	5031m	3.708	ug/l	
47) Methyl methacrylate	6.962	69	11913	4.509	ug/l	95
48) Ethyl methacrylate	8.332	69	11765	2.201	ug/l	98
49) Toluene	7.965	92	27888	2.011	ug/l	97
50) t-1,3-Dichloropropene	8.210	75	14690	2.055	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	17187	1.956	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	9953	2.172	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	16544	2.232	ug/l	94
54) 2-Hexanone	8.685	43	26463	11.043	ug/l	97
55) Dibromochloromethane	8.808	129	10561	2.012	ug/l	94
56) 1,2-Dibromoethane	8.917	107	8439	2.173	ug/l	98
58) Tetrachloroethene	8.550	164	10606	2.076	ug/l	94
59) Chlorobenzene	9.444	112	34343	2.041	ug/l	93
60) 1,1,1,2-Tetrachloroethane	9.528	131	11957	2.013	ug/l	98
61) Pentachloroethane	11.422	117	8857	1.908	ug/l	96
62) Hexachloroethane	12.470	117	9108	1.908	ug/l	98
63) Ethyl Benzene	9.566	91	55877	1.979	ug/l	98
64) m/p-Xylenes	9.692	106	42325	4.007	ug/l	98
65) o-Xylene	10.097	106	21174	1.951	ug/l	99
66) Styrene	10.113	104	35119	2.024	ug/l	98
67) Bromoform	10.290	173	6008	2.207	ug/l	95
69) Isopropylbenzene	10.483	105	58265	2.000	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.775	83	12242	2.159	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	9020m	2.233	ug/l	
72) Bromobenzene	10.782	156	13902	2.143	ug/l	98
73) n-propylbenzene	10.901	120	15565	1.997	ug/l	99
74) 2-Chlorotoluene	10.984	126	14515	2.151	ug/l	91
75) 1,3,5-Trimethylbenzene	11.084	105	46147	1.956	ug/l	99
76) 4-Chlorotoluene	11.097	126	15083	2.151	ug/l	97
77) tert-Butylbenzene	11.415	119	49730	2.027	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	46365	1.920	ug/l	97
79) sec-Butylbenzene	11.640	105	60842	1.908	ug/l	99
80) Nitrobenzene	13.209	77	1334	8.953	ug/l #	93
81) p-Isopropyltoluene	11.791	119	49735	1.976	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	29442	2.132	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	29372	2.134	ug/l	99
84) n-Butylbenzene	12.206	91	42817	1.894	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	28057	2.120	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1684	2.234	ug/l	85
87) 1,2,4-Trichlorobenzene	13.839	180	17014	2.015	ug/l	97
88) Hexachlorobutadiene	14.016	225	9577	2.127	ug/l	94
89) Naphthalene	14.084	128	28858	2.208	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	14607	1.950	ug/l	96

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

