

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054883.D
 Acq On : 26 Jul 2023 18:08
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 05:23:43 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	25152	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8330	1.092	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8533	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2098	0.438	ug/l	99
3) Chloromethane	1.518	50	2969	0.552	ug/l	95
4) Vinyl Chloride	1.602	62	3390	0.472	ug/l	99
5) Bromomethane	1.856	94	3157	0.554	ug/l	94
6) Chloroethane	1.933	64	3155	0.425	ug/l	98
7) Trichlorofluoromethane	2.136	101	7382	0.437	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	2575	0.471	ug/l	95
9) 1,1-Dichloroethene	2.573	96	2244	0.517	ug/l	91
10) Iodomethane	2.718	142	2602	0.384	ug/l	98
11) Allyl Chloride	2.923	41	2454	0.473	ug/l	86
12) Acrylonitrile	3.354	53	1105m	1.014	ug/l	
13) Acetone	2.644	43	3311m	2.907	ug/l	
14) Carbon Disulfide	2.792	76	3841	0.511	ug/l #	93
15) Methylene Chloride	3.042	84	4388	0.744	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	2237	0.473	ug/l	82
17) 1,1-Dichloroethane	3.865	63	5101	0.482	ug/l #	87
18) 2-Butanone	4.743	43	3241m	2.256	ug/l	
19) Cyclohexane	5.386	56	3296	0.554	ug/l	98
20) Methylcyclohexane	6.756	83	3790	0.476	ug/l	96
21) 2,2-Dichloropropane	4.669	77	4278m	0.437	ug/l	
22) cis-1,2-Dichloroethene	4.672	96	3346	0.533	ug/l	92
23) Diethyl Ether	2.377	59	3056	0.477	ug/l	96
24) tert-Butyl Alcohol	3.232	59	2415m	4.052	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	7578	0.564	ug/l	96
26) Bromochloromethane	4.975	128	1156	0.449	ug/l	79
27) Chloroform	5.084	83	5629	0.496	ug/l	99
28) 1,1,1-Trichloroethane	5.319	97	4794	0.489	ug/l	80
29) 1,1-Dichloropropene	5.528	75	3245	0.449	ug/l	98
30) Carbon Tetrachloride	5.525	117	3654	0.446	ug/l	85
31) Isopropyl Ether	3.997	45	7492	0.480	ug/l	94
32) Ethyl-t-butyl ether	4.489	59	7678	0.478	ug/l	97
33) Tert-Amyl methyl ether	5.939	73	7470	0.492	ug/l #	84
34) Propionitrile	4.824	54	895m	2.259	ug/l	
35) Benzene	5.769	78	10699	0.472	ug/l	95
36) 1,2-Dichloroethane	5.791	62	3571	0.554	ug/l #	73
37) Trichloroethene	6.541	130	2880	0.473	ug/l	89
38) 1,2-Dichloropropane	6.788	63	2779	0.434	ug/l	100
39) Methacrylonitrile	5.004	41	691m	0.435	ug/l	
40) Methyl acrylate	4.881	55	1088m	0.431	ug/l	
41) Tetrahydrofuran	5.062	42	861m	0.948	ug/l	
42) 1-Chlorobutane	5.457	56	4122	0.435	ug/l	97
43) Dibromomethane	6.917	93	1503	0.500	ug/l #	84
44) Bromodichloromethane	7.103	83	3976	0.474	ug/l #	91

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45) 4-Methyl-2-Pentanone	7.791	43	9398	2.678	ug/l	95
46) t-1,4-Dichloro-2-butene	10.830	75	1268m	0.898	ug/l	
47) Methyl methacrylate	6.965	69	2339	0.851	ug/l	97
48) Ethyl methacrylate	8.335	69	2550	0.458	ug/l	99
49) Toluene	7.968	92	6942	0.481	ug/l	96
50) t-1,3-Dichloropropene	8.216	75	3148	0.423	ug/l	91
51) cis-1,3-Dichloropropene	7.608	75	3660	0.400	ug/l #	86
52) 1,1,2-Trichloroethane	8.399	97	2444	0.513	ug/l #	77
53) 1,3-Dichloropropane	8.573	76	4131	0.536	ug/l	97
54) 2-Hexanone	8.692	43	5506	2.208	ug/l	92
55) Dibromochloromethane	8.811	129	2533	0.464	ug/l #	81
56) 1,2-Dibromoethane	8.926	107	1946	0.482	ug/l	99
58) Tetrachloroethene	8.550	164	2778	0.522	ug/l	88
59) Chlorobenzene	9.447	112	8952	0.511	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.531	131	2875	0.465	ug/l	93
61) Pentachloroethane	11.431	117	1921	0.398	ug/l	97
62) Hexachloroethane	12.470	117	1681	0.338	ug/l	87
63) Ethyl Benzene	9.569	91	13836	0.471	ug/l	98
64) m/p-Xylenes	9.692	106	10053	0.914	ug/l	98
65) o-Xylene	10.097	106	5308	0.470	ug/l	97
66) Styrene	10.116	104	7870	0.436	ug/l	92
67) Bromoform	10.286	173	1283	0.453	ug/l #	93
69) Isopropylbenzene	10.483	105	14564	0.480	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	2840	0.481	ug/l #	96
71) 1,2,3-Trichloropropane	10.823	75	2357m	0.561	ug/l	
72) Bromobenzene	10.785	156	3165	0.469	ug/l	97
73) n-propylbenzene	10.904	120	5353	0.660	ug/l	98
74) 2-Chlorotoluene	10.981	126	3136	0.446	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	10666	0.434	ug/l	100
76) 4-Chlorotoluene	11.097	126	3291	0.451	ug/l	93
77) tert-Butylbenzene	11.415	119	10254	0.402	ug/l	97
78) 1,2,4-Trimethylbenzene	11.466	105	11110	0.442	ug/l	98
79) sec-Butylbenzene	11.640	105	13310	0.401	ug/l	97
80) Nitrobenzene	13.225	77	230	1.483	ug/l #	39
81) p-Isopropyltoluene	11.791	119	10070	0.384	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	7376	0.513	ug/l	94
83) 1,4-Dichlorobenzene	11.836	146	7044	0.492	ug/l	98
84) n-Butylbenzene	12.206	91	8718	0.371	ug/l #	93
85) 1,2-Dichlorobenzene	12.209	146	6445	0.468	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	287m	0.366	ug/l	
87) 1,2,4-Trichlorobenzene	13.839	180	3755	0.427	ug/l #	84
88) Hexachlorobutadiene	14.019	225	2154	0.460	ug/l #	86
89) Naphthalene	14.093	128	6031	0.443	ug/l #	82
90) 1,2,3-Trichlorobenzene	14.328	180	3319	0.426	ug/l	99

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

