

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072823\
 Data File : VU054911.D
 Acq On : 28 Jul 2023 15:40
 Operator : MD/SY
 Sample : RL-CHECK
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RL-CHECK

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 23:25:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 23:25:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	25915	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8257	1.051	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9527	1.073	ug/l	0.00
Spiked Amount	1.000		Recovery	=	107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3768	0.764	ug/l	100
3) Chloromethane	1.515	50	5272	0.951	ug/l	100
4) Vinyl Chloride	1.599	62	6850	0.925	ug/l	94
5) Bromomethane	1.853	94	5163	0.879	ug/l	91
6) Chloroethane	1.930	64	5673	0.741	ug/l	91
7) Trichlorofluoromethane	2.132	101	13959	0.803	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4675	0.829	ug/l	97
9) 1,1-Dichloroethene	2.576	96	3681	0.823	ug/l	92
10) Iodomethane	2.718	142	5135	0.735	ug/l	98
11) Allyl Chloride	2.920	41	4856	0.908	ug/l	94
12) Acrylonitrile	3.345	53	2094m	1.865	ug/l	
13) Acetone	2.647	43	6479	5.521	ug/l	# 85
14) Carbon Disulfide	2.788	76	6585	0.850	ug/l	98
15) Methylene Chloride	3.042	84	6394	1.024	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	4325	0.888	ug/l	88
17) 1,1-Dichloroethane	3.869	63	9319	0.855	ug/l	# 95
18) 2-Butanone	4.734	43	7153m	4.832	ug/l	
19) Cyclohexane	5.380	56	5520m	0.901	ug/l	
20) Methylcyclohexane	6.759	83	6807	0.830	ug/l	94
21) 2,2-Dichloropropane	4.660	77	7383	0.731	ug/l	99
22) cis-1,2-Dichloroethene	4.669	96	5803m	0.896	ug/l	
23) Diethyl Ether	2.374	59	6141	0.930	ug/l	# 88
24) tert-Butyl Alcohol	3.222	59	5841m	9.512	ug/l	
25) Methyl tert-Butyl Ether	3.367	73	13106	0.947	ug/l	96
26) Bromochloromethane	4.978	128	2114	0.796	ug/l	87
27) Chloroform	5.081	83	11039	0.944	ug/l	88
28) 1,1,1-Trichloroethane	5.316	97	8294	0.821	ug/l	91
29) 1,1-Dichloropropene	5.525	75	6170	0.828	ug/l	98
30) Carbon Tetrachloride	5.521	117	7028	0.833	ug/l	87
31) Isopropyl Ether	3.988	45	14420	0.897	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	15036	0.908	ug/l	93
33) Tert-Amyl methyl ether	5.939	73	14277	0.912	ug/l	# 82
34) Propionitrile	4.798	54	2312m	5.664	ug/l	
35) Benzene	5.772	78	20952	0.898	ug/l	100
36) 1,2-Dichloroethane	5.798	62	6155	0.927	ug/l	# 94
37) Trichloroethene	6.541	130	5379	0.857	ug/l	# 66
38) 1,2-Dichloropropane	6.788	63	6023	0.913	ug/l	93
39) Methacrylonitrile	4.991	41	1437	0.878	ug/l	# 75
40) Methyl acrylate	4.865	55	2413m	0.927	ug/l	
41) Tetrahydrofuran	5.065	42	2020m	2.159	ug/l	
42) 1-Chlorobutane	5.457	56	8116	0.832	ug/l	91
43) Dibromomethane	6.920	93	2888	0.932	ug/l	# 85
44) Bromodichloromethane	7.103	83	8033	0.930	ug/l	99

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45) 4-Methyl-2-Pentanone	7.791	43	16240	4.491	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	2647m	1.819	ug/l	
47) Methyl methacrylate	6.962	69	5136	1.813	ug/l	95
48) Ethyl methacrylate	8.335	69	4991	0.871	ug/l	94
49) Toluene	7.968	92	13456	0.905	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	6857	0.894	ug/l	92
51) cis-1,3-Dichloropropene	7.608	75	7825	0.830	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	4635	0.943	ug/l #	82
53) 1,3-Dichloropropane	8.576	76	8289	1.043	ug/l	98
54) 2-Hexanone	8.688	43	12048	4.689	ug/l	94
55) Dibromochloromethane	8.804	129	4718	0.838	ug/l	91
56) 1,2-Dibromoethane	8.923	107	4209	1.011	ug/l	85
58) Tetrachloroethene	8.550	164	4972	0.907	ug/l	90
59) Chlorobenzene	9.447	112	15729	0.872	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.534	131	5050	0.793	ug/l	90
61) Pentachloroethane	11.425	117	3814	0.766	ug/l	98
62) Hexachloroethane	12.470	117	4009	0.783	ug/l	99
63) Ethyl Benzene	9.569	91	26096	0.862	ug/l	97
64) m/p-Xylenes	9.695	106	19128	1.689	ug/l	95
65) o-Xylene	10.097	106	10138	0.871	ug/l	94
66) Styrene	10.116	104	15337	0.824	ug/l	98
67) Bromoform	10.286	173	2751	0.942	ug/l #	98
69) Isopropylbenzene	10.483	105	26643	0.853	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	6489	1.067	ug/l	94
71) 1,2,3-Trichloropropane	10.827	75	4546m	1.049	ug/l	
72) Bromobenzene	10.785	156	6867	0.987	ug/l	85
73) n-propylbenzene	10.904	120	6753	0.808	ug/l	100
74) 2-Chlorotoluene	10.984	126	6045	0.835	ug/l	92
75) 1,3,5-Trimethylbenzene	11.087	105	21103	0.834	ug/l	100
76) 4-Chlorotoluene	11.097	126	6883	0.915	ug/l	94
77) tert-Butylbenzene	11.415	119	21367	0.812	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	20627	0.796	ug/l	99
79) sec-Butylbenzene	11.643	105	27821	0.814	ug/l	97
80) Nitrobenzene	13.219	77	707	4.425	ug/l #	42
81) p-Isopropyltoluene	11.791	119	20864	0.773	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	12373	0.836	ug/l	94
83) 1,4-Dichlorobenzene	11.836	146	13743	0.931	ug/l	96
84) n-Butylbenzene	12.209	91	18323	0.756	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	12704	0.895	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	568	0.703	ug/l #	16
87) 1,2,4-Trichlorobenzene	13.836	180	7878	0.870	ug/l	98
88) Hexachlorobutadiene	14.016	225	4123	0.854	ug/l	94
89) Naphthalene	14.087	128	12152	0.867	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	7548	0.940	ug/l #	87

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

