

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053473.D
 Acq On : 29 Mar 2023 18:56
 Operator : JC/MD
 Sample : RLCHECK1
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RLCHECK1

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 14:09:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	40438	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14319	0.981	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	13779	0.940	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	6426	0.440	ug/l	93
3) Chloromethane	1.520	50	6658	0.447	ug/l	96
4) Vinyl Chloride	1.601	62	7012	0.446	ug/l	92
5) Bromomethane	1.858	94	6594	0.235	ug/l	99
6) Chloroethane	1.935	64	4565	0.454	ug/l	95
7) Trichlorofluoromethane	2.138	101	10492	0.445	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	5179	0.443	ug/l	97
9) 1,1-Dichloroethene	2.578	96	4911	0.460	ug/l	74
10) Iodomethane	2.723	142	3823	0.888	ug/l	94
11) Allyl Chloride	2.922	41	5497	0.456	ug/l	# 83
12) Acrylonitrile	3.330	53	1967m	0.948	ug/l	
13) Acetone	2.646	43	4975	1.222	ug/l	90
14) Carbon Disulfide	2.790	76	14264	0.436	ug/l	98
15) Methylene Chloride	3.044	84	10176	Below Cal		86
16) trans-1,2-Dichloroethene	3.350	96	5380	0.487	ug/l	86
17) 1,1-Dichloroethane	3.864	63	9272	0.460	ug/l	98
18) 2-Butanone	4.719	43	5515	1.331	ug/l	94
19) Cyclohexane	5.385	56	8045	0.485	ug/l	93
20) Methylcyclohexane	6.758	83	9269	0.447	ug/l	95
21) 2,2-Dichloropropane	4.658	77	8276	0.480	ug/l	# 90
22) cis-1,2-Dichloroethene	4.665	96	5630	0.469	ug/l	94
23) Diethyl Ether	2.376	59	3445	0.406	ug/l	# 84
24) tert-Butyl Alcohol	3.186	59	6312m	8.189	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	10171	0.430	ug/l	# 80
26) Bromochloromethane	4.970	128	2197	0.455	ug/l	# 51
27) Chloroform	5.080	83	9547	0.457	ug/l	87
28) 1,1,1-Trichloroethane	5.314	97	7368	0.409	ug/l	95
29) 1,1-Dichloropropene	5.527	75	6992	0.448	ug/l	94
30) Carbon Tetrachloride	5.520	117	6568	0.458	ug/l	89
31) Isopropyl Ether	3.986	45	13428	0.484	ug/l	90
32) Ethyl-t-butyl ether	4.498	59	12737	0.447	ug/l	100
33) Tert-Amyl methyl ether	5.938	73	10379	0.410	ug/l	# 90
34) Propionitrile	4.806	54	1441m	2.553	ug/l	
35) Benzene	5.774	78	20547	0.450	ug/l	93
36) 1,2-Dichloroethane	5.797	62	5827	0.444	ug/l	# 88
37) Trichloroethene	6.539	130	5589	0.487	ug/l	95
38) 1,2-Dichloropropane	6.787	63	5106	0.437	ug/l	97
39) Methacrylonitrile	4.980	41	796m	0.279	ug/l	
40) Methyl acrylate	4.874	55	2091	0.405	ug/l	# 72
41) Tetrahydrofuran	5.067	42	1507	1.013	ug/l	# 81
42) 1-Chlorobutane	5.456	56	9937m	0.479	ug/l	
43) Dibromomethane	6.916	93	2867	0.515	ug/l	# 80
44) Bromodichloromethane	7.102	83	5614	0.403	ug/l	# 84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	13445	2.326	ug/l	98
46) t-1,4-Dichloro-2-butene	10.829	75	2323m	1.204	ug/l	
47) Methyl methacrylate	6.961	69	4354	0.850	ug/l	93
48) Ethyl methacrylate	8.333	69	4377	0.441	ug/l	93
49) Toluene	7.967	92	12828	0.459	ug/l	91
50) t-1,3-Dichloropropene	8.208	75	5747	0.445	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	6551	0.410	ug/l #	93
52) 1,1,2-Trichloroethane	8.395	97	3470	0.430	ug/l #	83
53) 1,3-Dichloropropane	8.571	76	6650	0.477	ug/l	91
54) 2-Hexanone	8.684	43	10482	1.729	ug/l	94
55) Dibromochloromethane	8.806	129	3366	0.409	ug/l	95
56) 1,2-Dibromoethane	8.922	107	3105	0.417	ug/l	98
58) Tetrachloroethene	8.549	164	4848	0.452	ug/l	96
59) Chlorobenzene	9.446	112	14445	0.469	ug/l	89
60) 1,1,1,2-Tetrachloroethane	9.530	131	3750	0.401	ug/l	96
61) Pentachloroethane	11.420	117	3033	0.461	ug/l	99
62) Hexachloroethane	12.472	117	2689	0.661	ug/l	89
63) Ethyl Benzene	9.568	91	24086	0.446	ug/l	97
64) m/p-Xylenes	9.690	106	18275	0.885	ug/l	95
65) o-Xylene	10.095	106	8154	0.403	ug/l	88
66) Styrene	10.112	104	13154	0.423	ug/l	95
67) Bromoform	10.285	173	1721	0.716	ug/l #	89
69) Isopropylbenzene	10.481	105	23539	0.445	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.780	83	3986	0.410	ug/l #	92
71) 1,2,3-Trichloropropane	10.819	75	3128m	0.426	ug/l	
72) Bromobenzene	10.780	156	4769	0.430	ug/l	96
73) n-propylbenzene	10.903	120	6460	0.462	ug/l	94
74) 2-Chlorotoluene	10.983	126	5383	0.445	ug/l	96
75) 1,3,5-Trimethylbenzene	11.086	105	18727	0.421	ug/l	98
76) 4-Chlorotoluene	11.095	126	6040	0.481	ug/l	88
77) tert-Butylbenzene	11.417	119	18223	0.442	ug/l	99
78) 1,2,4-Trimethylbenzene	11.465	105	19447	0.430	ug/l	96
79) sec-Butylbenzene	11.642	105	25340	0.427	ug/l	100
80) Nitrobenzene	13.227	77	649m	2.656	ug/l	
81) p-Isopropyltoluene	11.790	119	21299	0.457	ug/l	98
82) 1,3-Dichlorobenzene	11.745	146	11663	0.494	ug/l	98
83) 1,4-Dichlorobenzene	11.835	146	11324	0.474	ug/l	93
84) n-Butylbenzene	12.205	91	22573	0.490	ug/l	95
85) 1,2-Dichlorobenzene	12.208	146	10672	0.477	ug/l	93
86) 1,2-Dibromo-3-Chloropr...	12.996	75	350	0.237	ug/l	89
87) 1,2,4-Trichlorobenzene	13.838	180	8022	0.614	ug/l	98
88) Hexachlorobutadiene	14.021	225	3150	0.504	ug/l	98
89) Naphthalene	14.086	128	16856	0.642	ug/l	96
90) 1,2,3-Trichlorobenzene	14.327	180	6832	0.607	ug/l	99

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

