

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059144.D
 Acq On : 05 Jun 2024 09:33
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

Quant Time: Jun 06 02:36:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 02:35:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	35566	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	12186	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	11934	0.942	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	5582	0.501	ug/l	93
3) Chloromethane	1.515	50	7478	0.558	ug/l	91
4) Vinyl Chloride	1.599	62	7341	0.542	ug/l	98
5) Bromomethane	1.853	94	4820	0.585	ug/l	96
6) Chloroethane	1.927	64	4709	0.540	ug/l	90
7) Trichlorofluoromethane	2.133	101	7945	0.472	ug/l	92
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4651	0.538	ug/l	96
9) 1,1-Dichloroethene	2.573	96	4573	0.534	ug/l	99
11) Allyl Chloride	2.917	41	6122	0.529	ug/l	98
12) Acrylonitrile	3.338	53	1617m	0.835	ug/l	
13) Acetone	2.644	43	8438	2.850	ug/l	90
14) Carbon Disulfide	2.785	76	15504	0.568	ug/l	99
15) Methylene Chloride	3.042	84	7419	0.632	ug/l	92
16) trans-1,2-Dichloroethene	3.348	96	4845	0.518	ug/l	96
17) 1,1-Dichloroethane	3.859	63	10558	0.539	ug/l	96
18) 2-Butanone	4.731	43	9027m	2.762	ug/l	
19) Cyclohexane	5.383	56	6291m	0.444	ug/l	
20) Methylcyclohexane	6.759	83	6085	0.427	ug/l	92
21) 2,2-Dichloropropane	4.660	77	7569m	0.523	ug/l	
22) cis-1,2-Dichloroethene	4.666	96	4644	0.457	ug/l	# 75
23) Diethyl Ether	2.374	59	4029	0.502	ug/l	98
25) Methyl tert-Butyl Ether	3.358	73	9884	0.481	ug/l	99
26) Bromochloromethane	4.968	128	1952	0.455	ug/l	62
27) Chloroform	5.081	83	10639	0.541	ug/l	94
28) 1,1,1-Trichloroethane	5.306	97	8239	0.531	ug/l	98
29) 1,1-Dichloropropene	5.528	75	5971	0.459	ug/l	98
30) Carbon Tetrachloride	5.515	117	6729	0.529	ug/l	95
31) Isopropyl Ether	3.985	45	12512	0.487	ug/l	93
32) Ethyl-t-butyl ether	4.493	59	11078	0.464	ug/l	97
33) Tert-Amyl methyl ether	5.933	73	9564	0.454	ug/l	# 94
34) Propionitrile	4.837	54	1737m	2.343	ug/l	
35) Benzene	5.769	78	19921	0.487	ug/l	100
36) 1,2-Dichloroethane	5.798	62	5847	0.482	ug/l	# 94
37) Trichloroethene	6.538	130	5293	0.542	ug/l	99
38) 1,2-Dichloropropane	6.785	63	5686	0.490	ug/l	94
39) Methacrylonitrile	4.991	41	1281m	0.459	ug/l	
40) Methyl acrylate	4.894	55	1744m	0.357	ug/l	
41) Tetrahydrofuran	5.068	42	1494m	0.994	ug/l	
42) 1-Chlorobutane	5.454	56	8084	0.450	ug/l	89
43) Dibromomethane	6.914	93	2765	0.526	ug/l	94
44) Bromodichloromethane	7.103	83	6919	0.508	ug/l	98
45) 4-Methyl-2-Pentanone	7.791	43	13163	2.336	ug/l	88
46) t-1,4-Dichloro-2-butene	10.830	75	2551m	1.053	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.965	69	3660	0.811	ug/l	97
48) Ethyl methacrylate	8.335	69	3253	0.408	ug/l	99
49) Toluene	7.968	92	9839	0.437	ug/l	96
50) t-1,3-Dichloropropene	8.213	75	5254	0.451	ug/l	98
51) cis-1,3-Dichloropropene	7.608	75	6935	0.486	ug/l	98
52) 1,1,2-Trichloroethane	8.399	97	4078	0.525	ug/l	98
53) 1,3-Dichloropropane	8.576	76	6913	0.517	ug/l	98
54) 2-Hexanone	8.692	43	9090m	3.736	ug/l	
55) Dibromochloromethane	8.804	129	4355	0.518	ug/l	96
56) 1,2-Dibromoethane	8.923	107	3468	0.509	ug/l	95
58) Tetrachloroethene	8.547	164	4772	0.530	ug/l	93
59) Chlorobenzene	9.447	112	11433	0.464	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	4774	0.541	ug/l	91
61) Pentachloroethane	11.425	117	3404	0.497	ug/l	91
62) Hexachloroethane	12.470	117	3189	0.458	ug/l	100
63) Ethyl Benzene	9.566	91	17119	0.410	ug/l	99
64) m/p-Xylenes	9.692	106	12285m	0.783	ug/l	
65) o-Xylene	10.097	106	6421	0.415	ug/l	100
66) Styrene	10.116	104	9385	0.700	ug/l	99
67) Bromoform	10.287	173	2579	0.567	ug/l #	84
69) Isopropylbenzene	10.479	105	16124	0.407	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	4673	0.479	ug/l	89
71) 1,2,3-Trichloropropane	10.817	75	4411m	0.607	ug/l	
72) Bromobenzene	10.782	156	4416	0.465	ug/l	84
73) n-propylbenzene	10.904	120	3911	0.668	ug/l	89
74) 2-Chlorotoluene	10.988	126	4258	0.440	ug/l	99
75) 1,3,5-Trimethylbenzene	11.084	105	12184	0.687	ug/l	100
76) 4-Chlorotoluene	11.097	126	4414	0.436	ug/l	90
77) tert-Butylbenzene	11.415	119	12866	0.404	ug/l	96
78) 1,2,4-Trimethylbenzene	11.467	105	11670	0.686	ug/l	93
79) sec-Butylbenzene	11.640	105	16766	0.671	ug/l	99
80) Nitrobenzene	13.245	77	347m	4.077	ug/l	
81) p-Isopropyltoluene	11.788	119	11595	0.706	ug/l	97
82) 1,3-Dichlorobenzene	11.746	146	9462	0.470	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	9552	0.474	ug/l	95
84) n-Butylbenzene	12.206	91	10316	0.713	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	9235	0.486	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	13.000	75	618	0.465	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.846	180	4467	0.439	ug/l #	93
88) Hexachlorobutadiene	14.016	225	3129	0.493	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	3969	0.429	ug/l	96

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

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