

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055227.D
 Acq On : 11 Sep 2023 10:03
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 10:27:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:15:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	59115	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	21960	1.029	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	21873	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	39840	1.864	ug/l	98
3) Chloromethane	1.515	50	39056	1.794	ug/l	99
4) Vinyl Chloride	1.602	62	42548	1.850	ug/l	100
5) Bromomethane	1.853	94	34257	1.758	ug/l	93
6) Chloroethane	1.930	64	27247	1.853	ug/l	100
7) Trichlorofluoromethane	2.136	101	58713	1.704	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	29924	1.753	ug/l	98
9) 1,1-Dichloroethene	2.576	96	27861	1.784	ug/l	86
10) Iodomethane	2.718	142	31522	1.990	ug/l	93
11) Allyl Chloride	2.920	41	32873	1.865	ug/l	85
12) Acrylonitrile	3.325	53	9987m	3.292	ug/l	
13) Acetone	2.624	43	46681	7.845	ug/l	98
14) Carbon Disulfide	2.792	76	86676	1.810	ug/l	99
15) Methylene Chloride	3.042	84	31648	0.858	ug/l	99
16) trans-1,2-Dichloroethene	3.351	96	31332	1.942	ug/l	95
17) 1,1-Dichloroethane	3.869	63	60512	2.055	ug/l	99
18) 2-Butanone	4.708	43	51776	8.550	ug/l	98
19) Cyclohexane	5.383	56	44161	1.821	ug/l	89
20) Methylcyclohexane	6.763	83	54302	1.792	ug/l	95
21) 2,2-Dichloropropane	4.660	77	49450	1.961	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	38374	2.188	ug/l	99
23) Diethyl Ether	2.374	59	22450	1.811	ug/l	95
24) tert-Butyl Alcohol	3.190	59	15807	14.028	ug/l #	1
25) Methyl tert-Butyl Ether	3.361	73	57670	1.666	ug/l	94
26) Bromochloromethane	4.972	128	15688	2.220	ug/l	97
27) Chloroform	5.084	83	65911	2.156	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	54668	2.074	ug/l	98
29) 1,1-Dichloropropene	5.525	75	46340	2.032	ug/l	96
30) Carbon Tetrachloride	5.525	117	48326	2.304	ug/l	97
31) Isopropyl Ether	3.988	45	78195	1.930	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	73663	1.770	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	64256	1.736	ug/l	96
34) Propionitrile	4.792	54	8783	8.603	ug/l #	13
35) Benzene	5.772	78	135933	2.037	ug/l	99
36) 1,2-Dichloroethane	5.792	62	38230	1.995	ug/l	99
37) Trichloroethene	6.541	130	39527	2.356	ug/l	93
38) 1,2-Dichloropropane	6.788	63	36381	2.128	ug/l	99
39) Methacrylonitrile	4.981	41	7139	1.713	ug/l	91
40) Methyl acrylate	4.859	55	10497	1.389	ug/l #	96
41) Tetrahydrofuran	5.062	42	7680	3.530	ug/l	94
42) 1-Chlorobutane	5.457	56	58329	1.923	ug/l	97
43) Dibromomethane	6.917	93	17167	2.108	ug/l	95
44) Bromodichloromethane	7.103	83	42306	2.077	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	78199	9.256	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	10350m	2.235	ug/l	
47) Methyl methacrylate	6.962	69	24963	3.334	ug/l	95
48) Ethyl methacrylate	8.335	69	23884	1.645	ug/l	99
49) Toluene	7.968	92	82131	2.008	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	35240	1.868	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	44169	1.891	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	23765	2.012	ug/l	96
53) 1,3-Dichloropropane	8.576	76	39740	1.951	ug/l	98
54) 2-Hexanone	8.685	43	79022	8.915	ug/l	100
55) Dibromochloromethane	8.807	129	24925	2.073	ug/l	96
56) 1,2-Dibromoethane	8.923	107	20737	1.906	ug/l	92
58) Tetrachloroethene	8.550	164	41936	2.673	ug/l	94
59) Chlorobenzene	9.447	112	91410	2.030	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	30683	2.242	ug/l	96
61) Pentachloroethane	11.422	117	14288	1.486	ug/l #	83
62) Hexachloroethane	12.473	117	21448	1.939	ug/l	97
63) Ethyl Benzene	9.570	91	148724	1.884	ug/l	98
64) m/p-Xylenes	9.692	106	117280	3.885	ug/l	96
65) o-Xylene	10.100	106	54491	1.844	ug/l	93
66) Styrene	10.113	104	87204	1.920	ug/l	98
67) Bromoform	10.290	173	12673	2.240	ug/l	99
69) Isopropylbenzene	10.483	105	148081	1.914	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	25070	1.763	ug/l	93
71) 1,2,3-Trichloropropane	10.823	75	20526m	1.912	ug/l	
72) Bromobenzene	10.782	156	34466	2.127	ug/l	87
73) n-propylbenzene	10.904	120	40392	1.977	ug/l	96
74) 2-Chlorotoluene	10.984	126	36735	2.079	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	124165	1.912	ug/l	99
76) 4-Chlorotoluene	11.097	126	38188	2.082	ug/l	94
77) tert-Butylbenzene	11.418	119	112540	1.869	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	127724	1.931	ug/l	100
79) sec-Butylbenzene	11.640	105	163108	1.881	ug/l	99
80) Nitrobenzene	13.212	77	2392	6.697	ug/l #	78
81) p-Isopropyltoluene	11.791	119	127950	1.878	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	73326	2.123	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	71871	2.056	ug/l	98
84) n-Butylbenzene	12.209	91	113770	1.690	ug/l	99
85) 1,2-Dichlorobenzene	12.213	146	67588	2.065	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.000	75	3716	1.721	ug/l	92
87) 1,2,4-Trichlorobenzene	13.839	180	35301	1.849	ug/l	95
88) Hexachlorobutadiene	14.020	225	23965	2.625	ug/l	98
89) Naphthalene	14.087	128	50151	1.306	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	32008	1.946	ug/l	97

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

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