

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060306.D
 Acq On : 05 Aug 2024 11:06
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/09/2024
 Supervised By :Semsettin Yesilyurt 08/09/2024

Quant Time: Aug 06 05:31:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 05:30:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.103	96	32015	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	9706	0.890	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	11047	0.932	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	13168	1.069	ug/l	99
3) Chloromethane	1.522	50	15006	1.066	ug/l	98
4) Vinyl Chloride	1.602	62	14776	1.050	ug/l	99
5) Bromomethane	1.856	94	8646	1.000	ug/l	87
6) Chloroethane	1.930	64	9097	1.068	ug/l	95
7) Trichlorofluoromethane	2.133	101	17598	1.036	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	9716	1.052	ug/l	99
9) 1,1-Dichloroethene	2.576	96	10038	1.049	ug/l	98
10) Iodomethane	2.718	142	14513	1.036	ug/l	99
11) Allyl Chloride	2.914	41	13360	1.018	ug/l	95
12) Acrylonitrile	3.325	53	5372	2.148	ug/l #	92
13) Acetone	2.653	43	17436	5.442	ug/l	94
14) Carbon Disulfide	2.785	76	34054	1.049	ug/l	100
15) Methylene Chloride	3.036	84	13245	1.105	ug/l	97
16) trans-1,2-Dichloroethene	3.341	96	10284	1.003	ug/l	99
17) 1,1-Dichloroethane	3.859	63	21037	1.067	ug/l	99
18) 2-Butanone	4.734	43	19887	5.667	ug/l	98
19) Cyclohexane	5.370	56	18160m	1.068	ug/l	
20) Methylcyclohexane	6.750	83	12597	0.934	ug/l	98
21) 2,2-Dichloropropane	4.653	77	16181	1.054	ug/l	98
22) cis-1,2-Dichloroethene	4.653	96	11176	1.017	ug/l	94
23) Diethyl Ether	2.374	59	8300	1.067	ug/l	97
24) tert-Butyl Alcohol	3.268	59	11371m	11.158	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	24797	1.055	ug/l	98
26) Bromochloromethane	4.968	128	4870	1.047	ug/l	93
27) Chloroform	5.078	83	20996	1.088	ug/l	97
28) 1,1,1-Trichloroethane	5.300	97	17368	1.084	ug/l	98
29) 1,1-Dichloropropene	5.512	75	13167	1.025	ug/l	100
30) Carbon Tetrachloride	5.509	117	13879	1.063	ug/l	99
31) Isopropyl Ether	3.994	45	30177	1.047	ug/l	98
32) Ethyl-t-butyl ether	4.502	59	29379	1.055	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	20237	1.023	ug/l	97
34) Propionitrile	4.817	54	5836m	5.910	ug/l	
35) Benzene	5.763	78	39909	1.009	ug/l	99
36) 1,2-Dichloroethane	5.788	62	11922	1.084	ug/l	97
37) Trichloroethene	6.534	130	9939	1.015	ug/l	95
38) 1,2-Dichloropropane	6.785	63	10499	0.981	ug/l	96
39) Methacrylonitrile	4.981	41	3939	1.085	ug/l	98
40) Methyl acrylate	4.853	55	7607	1.197	ug/l #	91
41) Tetrahydrofuran	5.075	42	4781	2.419	ug/l #	75
42) 1-Chlorobutane	5.444	56	18030	1.018	ug/l	95
43) Dibromomethane	6.914	93	5980	1.104	ug/l	93
44) Bromodichloromethane	7.103	83	13353	1.027	ug/l	98

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45) 4-Methyl-2-Pentanone	7.801	43	24760	4.870	ug/l	93
46) t-1,4-Dichloro-2-butene	10.827	75	6035m	2.168	ug/l	
47) Methyl methacrylate	6.975	69	8423	1.917	ug/l	94
48) Ethyl methacrylate	8.338	69	6868	0.921	ug/l	97
49) Toluene	7.965	92	20081	0.915	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	10237	0.954	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	13124	1.016	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	8418	1.059	ug/l	93
53) 1,3-Dichloropropane	8.573	76	12839	1.012	ug/l	97
54) 2-Hexanone	8.692	43	19291	4.895	ug/l	91
55) Dibromochloromethane	8.804	129	9174	1.052	ug/l	95
56) 1,2-Dibromoethane	8.920	107	7202	1.010	ug/l	95
58) Tetrachloroethene	8.547	164	9204	1.051	ug/l	94
59) Chlorobenzene	9.444	112	23436	0.986	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	9944	1.062	ug/l	96
61) Pentachloroethane	11.422	117	8067	1.009	ug/l	99
62) Hexachloroethane	12.467	117	8076	1.045	ug/l	94
63) Ethyl Benzene	9.566	91	31701	1.076	ug/l	100
64) m/p-Xylenes	9.688	106	24021	2.146	ug/l	97
65) o-Xylene	10.097	106	12042	1.106	ug/l	99
66) Styrene	10.110	104	19417	1.092	ug/l	98
67) Bromoform	10.290	173	5292	1.036	ug/l	95
69) Isopropylbenzene	10.476	105	30828	1.130	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	10592	1.001	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	8151m	1.079	ug/l	
72) Bromobenzene	10.782	156	9121	0.935	ug/l	99
73) n-propylbenzene	10.901	120	8156	1.091	ug/l	98
74) 2-Chlorotoluene	10.981	126	8317	1.025	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	24814	1.050	ug/l	96
76) 4-Chlorotoluene	11.094	126	8351	1.014	ug/l	95
77) tert-Butylbenzene	11.415	119	27514	1.142	ug/l	97
78) 1,2,4-Trimethylbenzene	11.463	105	26010	1.090	ug/l	100
79) sec-Butylbenzene	11.637	105	33993	1.079	ug/l	98
80) Nitrobenzene	13.219	77	2385	5.031	ug/l #	92
81) p-Isopropyltoluene	11.788	119	27159	1.118	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	19468	0.957	ug/l	100
83) 1,4-Dichlorobenzene	11.833	146	19169	0.949	ug/l	98
84) n-Butylbenzene	12.203	91	26289	1.084	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	18995	0.965	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	1460	0.952	ug/l #	73
87) 1,2,4-Trichlorobenzene	13.836	180	10205	0.906	ug/l	99
88) Hexachlorobutadiene	14.013	225	7204	0.990	ug/l	99
89) Naphthalene	14.084	128	16031	1.020	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	9937	0.904	ug/l	98

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

