

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060307.D
 Acq On : 05 Aug 2024 11:36
 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 :Mahesh Dadoda 08/09/2024
 Supervised By :Semsettin Yesilyurt 08/09/2024

Quant Time: Aug 06 05:32:35 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	6.107	96	34060	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11435	0.985	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	12635	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	25362	1.936	ug/l	100
3) Chloromethane	1.522	50	29105	1.943	ug/l	100
4) Vinyl Chloride	1.602	62	28066	1.874	ug/l	100
5) Bromomethane	1.856	94	17613	1.914	ug/l	99
6) Chloroethane	1.930	64	16531	1.824	ug/l	95
7) Trichlorofluoromethane	2.132	101	34431	1.906	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	19011	1.934	ug/l	100
9) 1,1-Dichloroethene	2.576	96	19135	1.879	ug/l	98
10) Iodomethane	2.714	142	28126	1.887	ug/l	98
11) Allyl Chloride	2.917	41	26130	1.872	ug/l	98
12) Acrylonitrile	3.319	53	11042	4.150	ug/l	98
13) Acetone	2.647	43	25987	7.684	ug/l	99
14) Carbon Disulfide	2.785	76	65695	1.903	ug/l	99
15) Methylene Chloride	3.036	84	24167	1.896	ug/l	98
16) trans-1,2-Dichloroethene	3.345	96	20900	1.916	ug/l	96
17) 1,1-Dichloroethane	3.859	63	40469	1.929	ug/l	98
18) 2-Butanone	4.730	43	34190	9.159	ug/l	99
19) Cyclohexane	5.370	56	34187m	1.891	ug/l	
20) Methylcyclohexane	6.753	83	24354	1.697	ug/l	97
21) 2,2-Dichloropropane	4.650	77	31265	1.914	ug/l	98
22) cis-1,2-Dichloroethene	4.656	96	22020	1.884	ug/l	96
23) Diethyl Ether	2.370	59	16105	1.946	ug/l	98
24) tert-Butyl Alcohol	3.248	59	21654m	19.973	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	49278	1.971	ug/l	96
26) Bromochloromethane	4.962	128	9564	1.932	ug/l	99
27) Chloroform	5.081	83	39488	1.924	ug/l	95
28) 1,1,1-Trichloroethane	5.303	97	32802	1.924	ug/l	97
29) 1,1-Dichloropropene	5.512	75	25480	1.865	ug/l	99
30) Carbon Tetrachloride	5.509	117	26861	1.933	ug/l	100
31) Isopropyl Ether	3.994	45	57571	1.877	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	57051	1.925	ug/l	100
33) Tert-Amyl methyl ether	5.946	73	37571	1.786	ug/l	99
34) Propionitrile	4.808	54	10998	10.469	ug/l #	97
35) Benzene	5.763	78	78926	1.875	ug/l	99
36) 1,2-Dichloroethane	5.788	62	23225	1.985	ug/l	97
37) Trichloroethene	6.534	130	19504	1.871	ug/l	100
38) 1,2-Dichloropropane	6.788	63	21755	1.910	ug/l	96
39) Methacrylonitrile	4.981	41	7645	1.980	ug/l	93
40) Methyl acrylate	4.853	55	13467	1.992	ug/l #	89
41) Tetrahydrofuran	5.071	42	8064	3.835	ug/l	97
42) 1-Chlorobutane	5.444	56	36578	1.942	ug/l	98
43) Dibromomethane	6.917	93	10762	1.868	ug/l	94
44) Bromodichloromethane	7.103	83	26464	1.913	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	50594	9.353	ug/l	95
46) t-1,4-Dichloro-2-butene	10.827	75	11816m	3.990	ug/l	
47) Methyl methacrylate	6.968	69	17751	3.797	ug/l	99
48) Ethyl methacrylate	8.335	69	13760	1.734	ug/l	98
49) Toluene	7.965	92	42096	1.803	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	21740	1.904	ug/l	95
51) cis-1,3-Dichloropropene	7.605	75	25888	1.885	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	17202	2.034	ug/l	94
53) 1,3-Dichloropropane	8.573	76	26134	1.937	ug/l	98
54) 2-Hexanone	8.688	43	36509	8.708	ug/l	96
55) Dibromochloromethane	8.807	129	17475	1.884	ug/l	97
56) 1,2-Dibromoethane	8.920	107	14129	1.863	ug/l	95
58) Tetrachloroethene	8.547	164	17452	1.874	ug/l	98
59) Chlorobenzene	9.444	112	46023	1.821	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	18574	1.865	ug/l	99
61) Pentachloroethane	11.418	117	15986	1.880	ug/l	97
62) Hexachloroethane	12.470	117	15442	1.878	ug/l	100
63) Ethyl Benzene	9.563	91	67229	1.803	ug/l	99
64) m/p-Xylenes	9.688	106	53207	3.497	ug/l	97
65) o-Xylene	10.094	106	26331	1.807	ug/l	99
66) Styrene	10.110	104	42670	1.754	ug/l	99
67) Bromoform	10.286	173	10652	1.961	ug/l #	98
69) Isopropylbenzene	10.479	105	66691	1.808	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	22404	1.991	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	15611m	1.942	ug/l	
72) Bromobenzene	10.778	156	19155	1.846	ug/l	99
73) n-propylbenzene	10.901	120	18184	1.753	ug/l	96
74) 2-Chlorotoluene	10.981	126	18439	1.793	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	58079	1.761	ug/l	100
76) 4-Chlorotoluene	11.094	126	18705	1.762	ug/l	98
77) tert-Butylbenzene	11.415	119	57923	1.823	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	60009	1.783	ug/l	99
79) sec-Butylbenzene	11.637	105	77773	1.801	ug/l	99
80) Nitrobenzene	13.212	77	5192	10.295	ug/l #	94
81) p-Isopropyltoluene	11.788	119	59589	1.754	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	41489	1.916	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	40391	1.879	ug/l	100
84) n-Butylbenzene	12.203	91	57870	1.749	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	38803	1.853	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3221	1.974	ug/l	96
87) 1,2,4-Trichlorobenzene	13.836	180	21731	1.814	ug/l	97
88) Hexachlorobutadiene	14.016	225	13854	1.789	ug/l	97
89) Naphthalene	14.084	128	34635	1.863	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	20316	1.737	ug/l	98

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

