

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059147.D
 Acq On : 05 Jun 2024 11:16
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 02:38:23 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	42539	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	14678	1.014	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	15427	1.018	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	71430	5.360	ug/l	100
3) Chloromethane	1.515	50	82256	5.127	ug/l	98
4) Vinyl Chloride	1.599	62	84008	5.181	ug/l	100
5) Bromomethane	1.853	94	47547	4.826	ug/l	99
6) Chloroethane	1.930	64	52161	5.001	ug/l	99
7) Trichlorofluoromethane	2.132	101	98289	4.886	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	54067	5.228	ug/l	98
9) 1,1-Dichloroethene	2.576	96	52601	5.134	ug/l	96
10) Iodomethane	2.714	142	76217	5.929	ug/l	100
11) Allyl Chloride	2.917	41	71484	5.162	ug/l	100
12) Acrylonitrile	3.319	53	23636	10.211	ug/l	99
13) Acetone	2.637	43	108023	30.504	ug/l	97
14) Carbon Disulfide	2.788	76	171827	5.262	ug/l	99
15) Methylene Chloride	3.039	84	67880	4.833	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	59923	5.360	ug/l	95
17) 1,1-Dichloroethane	3.859	63	119644	5.110	ug/l	99
18) 2-Butanone	4.708	43	111133	28.427	ug/l	98
19) Cyclohexane	5.383	56	93051m	5.492	ug/l	
20) Methylcyclohexane	6.759	83	92508	5.433	ug/l	97
21) 2,2-Dichloropropane	4.653	77	91617	5.291	ug/l	100
22) cis-1,2-Dichloroethene	4.659	96	66353	5.461	ug/l	99
23) Diethyl Ether	2.370	59	47864	4.982	ug/l	99
24) tert-Butyl Alcohol	3.219	59	31309m	48.751	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	128371	5.225	ug/l	98
26) Bromochloromethane	4.965	128	27908	5.439	ug/l	99
27) Chloroform	5.081	83	123442	5.245	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	99304	5.352	ug/l	99
29) 1,1-Dichloropropene	5.521	75	84931	5.462	ug/l	99
30) Carbon Tetrachloride	5.518	117	80400	5.283	ug/l	97
31) Isopropyl Ether	3.981	45	159505	5.195	ug/l	95
32) Ethyl-t-butyl ether	4.489	59	149343	5.228	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	135393	5.369	ug/l	99
34) Propionitrile	4.795	54	23518	26.521	ug/l #	78
35) Benzene	5.769	78	263229	5.383	ug/l	99
36) 1,2-Dichloroethane	5.788	62	78432	5.408	ug/l	100
37) Trichloroethene	6.537	130	60671	5.195	ug/l	97
38) 1,2-Dichloropropane	6.785	63	73572	5.298	ug/l	99
39) Methacrylonitrile	4.971	41	18172	5.444	ug/l	96
40) Methyl acrylate	4.849	55	31725	5.433	ug/l #	95
41) Tetrahydrofuran	5.061	42	18571	10.330	ug/l	93
42) 1-Chlorobutane	5.450	56	118897	5.533	ug/l	98
43) Dibromomethane	6.913	93	33548	5.336	ug/l	99
44) Bromodichloromethane	7.100	83	87010	5.341	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	181920	26.988	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	29049m	10.028	ug/l	
47) Methyl methacrylate	6.955	69	60964	11.291	ug/l	98
48) Ethyl methacrylate	8.328	69	51973	5.448	ug/l	100
49) Toluene	7.965	92	151069	5.609	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	75255	5.399	ug/l	98
51) cis-1,3-Dichloropropene	7.601	75	89455	5.238	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	48780	5.250	ug/l	100
53) 1,3-Dichloropropane	8.569	76	83820	5.236	ug/l	99
54) 2-Hexanone	8.679	43	162113	26.807	ug/l	98
55) Dibromochloromethane	8.804	129	53012	5.272	ug/l	100
56) 1,2-Dibromoethane	8.920	107	42855	5.259	ug/l	99
58) Tetrachloroethene	8.547	164	57113	5.305	ug/l	96
59) Chlorobenzene	9.444	112	157218	5.335	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.527	131	54906	5.202	ug/l	99
61) Pentachloroethane	11.421	117	43993	5.373	ug/l	94
62) Hexachloroethane	12.469	117	46088	5.537	ug/l	99
63) Ethyl Benzene	9.566	91	275996	5.529	ug/l	99
64) m/p-Xylenes	9.688	106	217152	11.573	ug/l	100
65) o-Xylene	10.097	106	102506	5.540	ug/l	99
66) Styrene	10.109	104	170160	4.982	ug/l	99
67) Bromoform	10.283	173	27784	5.103	ug/l	99
69) Isopropylbenzene	10.479	105	265360	5.597	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	62011	5.309	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	44689m	5.145	ug/l	
72) Bromobenzene	10.778	156	61365	5.399	ug/l	99
73) n-propylbenzene	10.900	120	73345	5.014	ug/l	100
74) 2-Chlorotoluene	10.981	126	63843	5.511	ug/l	96
75) 1,3,5-Trimethylbenzene	11.084	105	235270	5.044	ug/l	100
76) 4-Chlorotoluene	11.093	126	69061	5.702	ug/l	99
77) tert-Butylbenzene	11.415	119	212701	5.589	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	240816	5.042	ug/l	99
79) sec-Butylbenzene	11.637	105	305595	5.026	ug/l	99
80) Nitrobenzene	13.212	77	6466m	21.643	ug/l	
81) p-Isopropyltoluene	11.788	119	240325	4.973	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	130556	5.421	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	130091	5.402	ug/l	99
84) n-Butylbenzene	12.206	91	225324	4.885	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	122632	5.395	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.994	75	8906	5.603	ug/l	92
87) 1,2,4-Trichlorobenzene	13.836	180	66420	5.459	ug/l	99
88) Hexachlorobutadiene	14.016	225	41923	5.520	ug/l	98
89) Naphthalene	14.084	128	93054	4.840	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	58785	5.314	ug/l	98

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

