

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080524\
 Data File : VU060310.D
 Acq On : 05 Aug 2024 13:28
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 05:34:49 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	36533	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13596	1.092	ug/l	0.00
Spiked Amount	1.000		Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14695	1.087	ug/l	0.00
Spiked Amount	1.000		Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	213918	15.224	ug/l	100
3) Chloromethane	1.522	50	231324	14.399	ug/l	99
4) Vinyl Chloride	1.602	62	246023	15.318	ug/l	100
5) Bromomethane	1.853	94	146633	14.858	ug/l	100
6) Chloroethane	1.927	64	142490	14.658	ug/l	98
7) Trichlorofluoromethane	2.129	101	292723	15.106	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	155828	14.779	ug/l	98
9) 1,1-Dichloroethene	2.573	96	165011	15.108	ug/l	97
10) Iodomethane	2.715	142	245668	15.365	ug/l	99
11) Allyl Chloride	2.914	41	228176	15.238	ug/l	99
12) Acrylonitrile	3.313	53	77508	27.161	ug/l	98
14) Carbon Disulfide	2.785	76	548964	14.823	ug/l	100
15) Methylene Chloride	3.036	84	194797	14.247	ug/l	99
16) trans-1,2-Dichloroethene	3.342	96	172834	14.769	ug/l	95
17) 1,1-Dichloroethane	3.856	63	330777	14.701	ug/l	100
18) 2-Butanone	4.718	43	233411	58.292	ug/l	99
19) Cyclohexane	5.370	56	293408m	15.128	ug/l	
20) Methylcyclohexane	6.753	83	275559	17.902	ug/l	99
21) 2,2-Dichloropropane	4.650	77	252599	14.415	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	185412	14.789	ug/l	99
23) Diethyl Ether	2.371	59	130679	14.722	ug/l	98
24) tert-Butyl Alcohol	3.226	59	139552m	120.004	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	390611	14.568	ug/l	99
26) Bromochloromethane	4.962	128	76623	14.434	ug/l	98
27) Chloroform	5.078	83	320580	14.561	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	270100	14.769	ug/l	99
29) 1,1-Dichloropropene	5.512	75	221047	15.084	ug/l	99
30) Carbon Tetrachloride	5.509	117	224986	15.096	ug/l	100
31) Isopropyl Ether	3.994	45	492707	14.980	ug/l	98
32) Ethyl-t-butyl ether	4.505	59	474070	14.913	ug/l	99
33) Tert-Amyl methyl ether	5.946	73	376974	16.706	ug/l	99
34) Propionitrile	4.788	54	73938	65.615	ug/l	# 93
35) Benzene	5.763	78	698207	15.462	ug/l	99
36) 1,2-Dichloroethane	5.788	62	182097	14.511	ug/l	100
37) Trichloroethene	6.534	130	173216	15.496	ug/l	100
38) 1,2-Dichloropropane	6.785	63	190164	15.568	ug/l	98
39) Methacrylonitrile	4.975	41	55999	13.519	ug/l	99
40) Methyl acrylate	4.846	55	97498	13.442	ug/l	99
41) Tetrahydrofuran	5.068	42	56561	25.078	ug/l	99
42) 1-Chlorobutane	5.444	56	303593	15.026	ug/l	98
43) Dibromomethane	6.914	93	91418	14.794	ug/l	100
44) Bromodichloromethane	7.100	83	223601	15.072	ug/l	99
45) 4-Methyl-2-Pentanone	7.795	43	461047	79.460	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.830	75	103032m	32.440	ug/l	
47) Methyl methacrylate	6.962	69	172735	34.450	ug/l	98
48) Ethyl methacrylate	8.335	69	152770	17.944	ug/l	99
49) Toluene	7.962	92	431553	17.236	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	202316	16.517	ug/l	97
51) cis-1,3-Dichloropropene	7.602	75	238192	16.166	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	131307	14.475	ug/l	99
53) 1,3-Dichloropropane	8.570	76	224238	15.493	ug/l	98
54) 2-Hexanone	8.685	43	333438	74.146	ug/l	96
55) Dibromochloromethane	8.804	129	150171	15.093	ug/l	99
56) 1,2-Dibromoethane	8.920	107	121484	14.935	ug/l	98
58) Tetrachloroethene	8.547	164	155616	15.577	ug/l	98
59) Chlorobenzene	9.441	112	454286	16.757	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	164480	15.400	ug/l	98
61) Pentachloroethane	11.422	117	137609	15.085	ug/l	96
62) Hexachloroethane	12.470	117	140779	15.965	ug/l	100
63) Ethyl Benzene	9.563	91	804583	14.927	ug/l	100
64) m/p-Xylenes	9.689	106	636111	29.868	ug/l	100
65) o-Xylene	10.094	106	302369	15.041	ug/l	99
66) Styrene	10.107	104	516738	14.957	ug/l	99
67) Bromoform	10.287	173	89194	15.306	ug/l	96
69) Isopropylbenzene	10.480	105	782314	15.056	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	175486	14.539	ug/l	100
71) 1,2,3-Trichloropropane	10.830	75	134112m	15.558	ug/l	
72) Bromobenzene	10.775	156	185866	16.697	ug/l	100
73) n-propylbenzene	10.901	120	222906	14.938	ug/l	99
74) 2-Chlorotoluene	10.981	126	193835	14.803	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	690935	14.916	ug/l	99
76) 4-Chlorotoluene	11.090	126	203476	14.791	ug/l	99
77) tert-Butylbenzene	11.415	119	659181	15.068	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	724121	14.972	ug/l	99
79) sec-Butylbenzene	11.637	105	896775	14.951	ug/l	100
80) Nitrobenzene	13.203	77	42705	78.943	ug/l #	99
81) p-Isopropyltoluene	11.788	119	748315	14.968	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	384460	16.554	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	385924	16.739	ug/l	99
84) n-Butylbenzene	12.203	91	721216	14.886	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	372411	16.578	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	26084	14.905	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	230077	17.908	ug/l	99
88) Hexachlorobutadiene	14.013	225	136722	16.457	ug/l	99
89) Naphthalene	14.081	128	423253	14.998	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	221094	17.627	ug/l	99

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

