

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
 Data File : VU045304.D
 Acq On : 13 Oct 2021 12:08
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 10/14/2021 2:37:03 PM

Quant Time: Oct 14 05:07:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 14 05:02:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	42159	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	15384	0.973	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	14314	0.800	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.389	85	238972	14.564	ug/l	100
3) Chloromethane	1.520	50	237460	12.800	ug/l	99
4) Vinyl Chloride	1.604	62	257988	12.283	ug/l	99
5) Bromomethane	1.858	94	140253	8.661	ug/l	100
6) Chloroethane	1.935	64	161576	10.431	ug/l	99
7) Trichlorofluoromethane	2.138	101	302362	9.338	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	177188	9.028	ug/l	100
9) 1,1-Dichloroethene	2.581	96	163370	9.011	ug/l	99
10) Iodomethane	2.726	142	185921	8.803	ug/l	100
11) Allyl Chloride	2.925	41	240460	11.254	ug/l	100
12) Acrylonitrile	3.327	53	84122	24.696	ug/l	92
13) Acetone	2.646	43	203542	87.864	ug/l	97
14) Carbon Disulfide	2.794	76	501485	9.499	ug/l	99
15) Methylene Chloride	3.051	84	185514	6.395	ug/l	99
16) trans-1,2-Dichloroethene	3.356	96	176973	9.049	ug/l	99
17) 1,1-Dichloroethane	3.874	63	332782	9.982	ug/l	99
18) 2-Butanone	4.716	43	303537	76.699	ug/l	100
19) Cyclohexane	5.392	56	315479m	10.462	ug/l	
20) Methylcyclohexane	6.768	83	322011	17.044	ug/l	100
21) 2,2-Dichloropropane	4.671	77	282055	9.242	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	196787	8.834	ug/l	100
23) Diethyl Ether	2.382	59	154274	11.644	ug/l	99
24) tert-Butyl Alcohol	3.228	59	124831	174.393	ug/l #	86
25) Methyl tert-Butyl Ether	3.372	73	468810	10.312	ug/l	99
26) Bromochloromethane	4.980	128	80392	7.720	ug/l	99
27) Chloroform	5.093	83	329591	8.561	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	281474	8.607	ug/l	100
29) 1,1-Dichloropropene	5.530	75	257548	16.201	ug/l	100
30) Carbon Tetrachloride	5.530	117	222631	14.582	ug/l	100
31) Isopropyl Ether	4.003	45	543207	11.382	ug/l	99
32) Ethyl-t-butyl ether	4.511	59	550793	10.587	ug/l	100
33) Tert-Amyl methyl ether	5.948	73	481839	17.556	ug/l	99
34) Propionitrile	4.797	54	80655	75.954	ug/l	99
35) Benzene	5.781	78	730447	16.083	ug/l	99
36) 1,2-Dichloroethane	5.800	62	229194	15.541	ug/l	99
37) Trichloroethene	6.546	130	178500	13.963	ug/l	99
38) 1,2-Dichloropropane	6.797	63	189353	16.497	ug/l	99
39) Methacrylonitrile	4.980	41	64969	11.444	ug/l	98
40) Methyl acrylate	4.851	55	115269	12.231	ug/l	97
41) Tetrahydrofuran	5.067	42	70454	24.320	ug/l	98
42) 1-Chlorobutane	5.462	56	368226	17.705	ug/l	99
43) Dibromomethane	6.925	93	94924	13.942	ug/l	99
44) Bromodichloromethane	7.112	83	241118	15.226	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	658521	90.408	ug/l	100
46) t-1,4-Dichloro-2-butene	10.842	75	101819m	34.026	ug/l	
47) Methyl methacrylate	6.967	69	203106	34.643	ug/l	100
48) Ethyl methacrylate	8.337	69	208842	17.741	ug/l	99
49) Toluene	7.973	92	465863	15.830	ug/l	99
50) t-1,3-Dichloropropene	8.215	75	245821	17.460	ug/l	99
51) cis-1,3-Dichloropropene	7.613	75	284104	17.620	ug/l	98
52) 1,1,2-Trichloroethane	8.404	97	137763	14.281	ug/l	99
53) 1,3-Dichloropropane	8.581	76	251059	14.958	ug/l	100
54) 2-Hexanone	8.691	43	486135	92.513	ug/l	99
55) Dibromochloromethane	8.816	129	151561	14.026	ug/l	100
56) 1,2-Dibromoethane	8.928	107	130761	13.899	ug/l	99
58) Tetrachloroethene	8.559	164	159889	13.454	ug/l	99
59) Chlorobenzene	9.449	112	475799	14.452	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.539	131	160374	13.733	ug/l	100
61) Pentachloroethane	11.433	117	121657	13.336	ug/l	100
62) Hexachloroethane	12.481	117	131513	14.309	ug/l	99
63) Ethyl Benzene	9.575	91	894415	16.262	ug/l	99
64) m/p-Xylenes	9.697	106	672771	30.853	ug/l	99
65) o-Xylene	10.105	106	328164	15.532	ug/l	100
66) Styrene	10.118	104	559199	15.769	ug/l	99
67) Bromoform	10.295	173	81595	13.569	ug/l	100
69) Isopropylbenzene	10.488	105	868658	15.722	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.787	83	178249	13.784	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	137043m	14.629	ug/l	
72) Bromobenzene	10.787	156	187612	13.492	ug/l	98
73) n-propylbenzene	10.909	120	231278	15.193	ug/l	100
74) 2-Chlorotoluene	10.989	126	191029	14.006	ug/l	99
75) 1,3,5-Trimethylbenzene	11.092	105	737223	15.560	ug/l	100
76) 4-Chlorotoluene	11.102	126	198015	13.789	ug/l	99
77) tert-Butylbenzene	11.424	119	701247	14.894	ug/l	100
78) 1,2,4-Trimethylbenzene	11.472	105	749318	15.472	ug/l	100
79) sec-Butylbenzene	11.649	105	975147	15.248	ug/l	99
80) Nitrobenzene	13.211	77	30974	102.112	ug/l	99
81) p-Isopropyltoluene	11.796	119	798643	15.326	ug/l	100
82) 1,3-Dichlorobenzene	11.748	146	365537	13.165	ug/l	99
83) 1,4-Dichlorobenzene	11.842	146	364447	13.096	ug/l	99
84) n-Butylbenzene	12.211	91	792238	15.960	ug/l	100
85) 1,2-Dichlorobenzene	12.214	146	348123	12.590	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	32148	16.850	ug/l	98
87) 1,2,4-Trichlorobenzene	13.845	180	237815	13.799	ug/l	100
88) Hexachlorobutadiene	14.025	225	104346	11.022	ug/l	99
89) Naphthalene	14.089	128	485272	14.505	ug/l	100
90) 1,2,3-Trichlorobenzene	14.333	180	218824	13.145	ug/l	100

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

