

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU123021\
 Data File : VU046645.D
 Acq On : 30 Dec 2021 12:16
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021
 Supervised By : Mahesh Dadoda 01/03/2022

Quant Time: Dec 30 12:34:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U123021DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Dec 30 11:46:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	21108	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	8082	1.081	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.198	152	8877	1.100	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	121923	14.475	ug/l	99
3) Chloromethane	1.523	50	103869	13.925	ug/l	100
4) Vinyl Chloride	1.607	62	112612	13.963	ug/l	99
5) Bromomethane	1.864	94	62997	14.966	ug/l	100
6) Chloroethane	1.941	64	66374	13.984	ug/l	100
7) Trichlorofluoromethane	2.144	101	161618	14.387	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	91134	14.639	ug/l	96
9) 1,1-Dichloroethene	2.584	96	84587	14.422	ug/l	94
10) Iodomethane	2.729	142	93213	19.053	ug/l	88
11) Allyl Chloride	2.928	41	109696	14.711	ug/l	93
12) Acrylonitrile	3.333	53	48294	30.716	ug/l	95
13) Acetone	2.668	43	101706	73.292	ug/l	98
14) Carbon Disulfide	2.800	76	262800	14.004	ug/l	99
15) Methylene Chloride	3.051	84	95247	12.711	ug/l	95
16) trans-1,2-Dichloroethene	3.359	96	89742	14.498	ug/l	97
17) 1,1-Dichloroethane	3.877	63	162517	14.106	ug/l	99
18) 2-Butanone	4.726	43	162624	77.292	ug/l	98
19) Cyclohexane	5.394	56	124470	16.545	ug/l	# 83
20) Methylcyclohexane	6.767	83	156528	17.551	ug/l	96
21) 2,2-Dichloropropane	4.671	77	145140	14.872	ug/l	99
22) cis-1,2-Dichloroethene	4.671	96	99239	14.960	ug/l	96
23) Diethyl Ether	2.382	59	62055	14.085	ug/l	94
24) tert-Butyl Alcohol	3.359	59	74042m	178.506	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	223769	15.560	ug/l	95
26) Bromochloromethane	4.980	128	46943	14.359	ug/l	93
27) Chloroform	5.092	83	173715	13.646	ug/l	100
28) 1,1,1-Trichloroethane	5.324	97	155297	14.061	ug/l	97
29) 1,1-Dichloropropene	5.529	75	135016	15.602	ug/l	99
30) Carbon Tetrachloride	5.529	117	143278	14.329	ug/l	99
31) Isopropyl Ether	3.996	45	228841	15.772	ug/l	99
32) Ethyl-t-butyl ether	4.507	59	226904	15.831	ug/l	94
33) Tert-Amyl methyl ether	5.944	73	221974	16.040	ug/l	97
34) Propionitrile	4.809	54	46009	72.912	ug/l	# 84
35) Benzene	5.780	78	363532	14.645	ug/l	99
36) 1,2-Dichloroethane	5.800	62	121406	14.317	ug/l	100
37) Trichloroethene	6.546	130	91200	14.386	ug/l	99
38) 1,2-Dichloropropane	6.796	63	96652	14.748	ug/l	100
39) Methacrylonitrile	4.980	41	34106	16.201	ug/l	97
40) Methyl acrylate	4.851	55	66231	17.814	ug/l	# 97
41) Tetrahydrofuran	5.073	42	36626	34.213	ug/l	99
42) 1-Chlorobutane	5.462	56	176961	15.505	ug/l	96
43) Dibromomethane	6.922	93	55485	14.352	ug/l	97
44) Bromodichloromethane	7.108	83	134611	13.971	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	337091	80.815	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	75382m	33.893	ug/l	
47) Methyl methacrylate	6.964	69	106457	33.414	ug/l	92
48) Ethyl methacrylate	8.336	69	99402	17.260	ug/l	93
49) Toluene	7.973	92	232201	15.899	ug/l	100
50) t-1,3-Dichloropropene	8.214	75	132153	15.725	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	142981	15.492	ug/l	93
52) 1,1,2-Trichloroethane	8.404	97	76177	14.103	ug/l	99
53) 1,3-Dichloropropane	8.578	76	135002	14.579	ug/l	100
54) 2-Hexanone	8.690	43	257728	84.783	ug/l	99
55) Dibromochloromethane	8.812	129	95704	14.130	ug/l	99
56) 1,2-Dibromoethane	8.928	107	74409	14.403	ug/l	97
58) Tetrachloroethene	8.558	164	81266	14.530	ug/l	99
59) Chlorobenzene	9.449	112	242405	15.379	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	93624	14.217	ug/l	98
61) Pentachloroethane	11.430	117	78349	14.403	ug/l	94
62) Hexachloroethane	12.478	117	82973	15.131	ug/l	93
63) Ethyl Benzene	9.574	91	450568	17.376	ug/l	98
64) m/p-Xylenes	9.697	106	355384	34.686	ug/l	100
65) o-Xylene	10.105	106	168061	17.327	ug/l	99
66) Styrene	10.118	104	300171	17.674	ug/l	97
67) Bromoform	10.295	173	60605	14.962	ug/l #	97
69) Isopropylbenzene	10.488	105	449240	17.577	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.787	83	105335	14.620	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	75200m	16.511	ug/l	
72) Bromobenzene	10.787	156	105963	15.687	ug/l	92
73) n-propylbenzene	10.909	120	127170	17.558	ug/l	96
74) 2-Chlorotoluene	10.989	126	104627	16.632	ug/l	96
75) 1,3,5-Trimethylbenzene	11.092	105	396314	18.126	ug/l	98
76) 4-Chlorotoluene	11.102	126	112809	16.933	ug/l	93
77) tert-Butylbenzene	11.423	119	381872	17.591	ug/l	97
78) 1,2,4-Trimethylbenzene	11.471	105	405038	18.149	ug/l	100
79) sec-Butylbenzene	11.648	105	520943	17.742	ug/l	100
80) Nitrobenzene	13.211	77	31510	103.319	ug/l #	96
81) p-Isopropyltoluene	11.796	119	445494	18.438	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	216060	15.616	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	218786	15.846	ug/l	99
84) n-Butylbenzene	12.211	91	420073	18.065	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	208621	15.708	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.999	75	20537	15.274	ug/l	93
87) 1,2,4-Trichlorobenzene	13.841	180	142998	17.431	ug/l	98
88) Hexachlorobutadiene	14.024	225	81055	16.335	ug/l	98
89) Naphthalene	14.089	128	303119	19.582	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	135733	16.988	ug/l	99

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

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