

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047614.D
 Acq On : 18 Mar 2022 13:49
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVU031822

Quant Time: Mar 19 05:11:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	33406	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14761	1.185	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	15477	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	56308	4.666	ug/l	98
3) Chloromethane	1.527	50	67732	5.744	ug/l	99
4) Vinyl Chloride	1.607	62	70175	6.132	ug/l	99
5) Bromomethane	1.861	94	44711	6.662	ug/l	100
6) Chloroethane	1.938	64	50221	7.341	ug/l	97
7) Trichlorofluoromethane	2.144	101	123864	7.830	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	79004	8.740	ug/l	90
9) 1,1-Dichloroethene	2.588	96	71095	7.958	ug/l	88
10) Iodomethane	2.729	142	42964	9.193	ug/l	100
11) Allyl Chloride	2.929	41	96854	8.621	ug/l	95
12) Acrylonitrile	3.324	53	104029	52.766	ug/l	92
13) Acetone	2.639	43	82412	61.461	ug/l	99
14) Carbon Disulfide	2.800	76	154646	5.478	ug/l	100
15) Methylene Chloride	3.051	84	98983	9.635	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	77909	8.294	ug/l	92
17) 1,1-Dichloroethane	3.874	63	152871	9.588	ug/l	100
18) 2-Butanone	4.719	43	113721	54.454	ug/l	98
19) Cyclohexane	5.391	56	105288m	8.803	ug/l	
20) Methylcyclohexane	6.764	83	123960	9.034	ug/l	94
21) 2,2-Dichloropropane	4.668	77	137058	9.779	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	98117	9.617	ug/l	90
23) Diethyl Ether	2.382	59	55902	8.564	ug/l	94
24) tert-Butyl Alcohol	3.231	59	29314	65.114	ug/l #	77
25) Methyl tert-Butyl Ether	3.372	73	223967	10.298	ug/l	97
26) Bromochloromethane	4.980	128	47578	9.219	ug/l	81
27) Chloroform	5.092	83	170545	9.898	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	143858	9.613	ug/l	96
29) 1,1-Dichloropropene	5.530	75	109154	8.999	ug/l	95
30) Carbon Tetrachloride	5.530	117	127598	9.569	ug/l	99
31) Isopropyl Ether	4.002	45	238845	11.284	ug/l #	1
34) Propionitrile	4.790	54	72009	118.959	ug/l #	92
35) Benzene	5.777	78	339875	9.366	ug/l	100
36) 1,2-Dichloroethane	5.800	62	106713	9.721	ug/l	99
37) Trichloroethene	6.546	130	97597	9.309	ug/l	90
38) 1,2-Dichloropropane	6.793	63	93196	9.973	ug/l	98
39) Methacrylonitrile	4.980	41	27980	10.694	ug/l	91
40) Methyl acrylate	4.854	55	47968	10.849	ug/l #	94
41) Tetrahydrofuran	5.067	42	68558	51.642	ug/l	93
42) 1-Chlorobutane	5.462	56	146167	9.351	ug/l	97
43) Dibromomethane	6.922	93	54603	9.750	ug/l #	84
44) Bromodichloromethane	7.108	83	136815	10.531	ug/l #	99
45) 4-Methyl-2-Pentanone	7.797	43	309639	55.305	ug/l	97
46) t-1,4-Dichloro-2-butene	10.829	75	51325m	21.105	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.967	69	48629	10.734	ug/l	87
48) Ethyl methacrylate	8.337	69	96760	11.335	ug/l	89
49) Toluene	7.970	92	222740	9.988	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	128900	10.708	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	142026	10.717	ug/l	93
52) 1,1,2-Trichloroethane	8.404	97	82689	10.610	ug/l	98
53) 1,3-Dichloropropane	8.578	76	131620	10.374	ug/l	99
54) 2-Hexanone	8.687	43	231611	56.659	ug/l	98
55) Dibromochloromethane	8.813	129	103769	10.542	ug/l	99
56) 1,2-Dibromoethane	8.925	107	78236	10.084	ug/l	96
58) Tetrachloroethene	8.555	164	89471	9.256	ug/l	95
59) Chlorobenzene	9.449	112	258121	9.930	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	102982	10.206	ug/l	98
61) Pentachloroethane	11.430	117	93907	10.997	ug/l #	82
62) Hexachloroethane	12.478	117	91479	10.791	ug/l #	68
63) Ethyl Benzene	9.571	91	436519	10.720	ug/l	97
64) m/p-Xylenes	9.694	106	353101	21.858	ug/l	94
65) o-Xylene	10.102	106	172200	11.265	ug/l	94
66) Styrene	10.115	104	303262	11.502	ug/l	96
67) Bromoform	10.292	173	74252	11.334	ug/l #	98
69) Isopropylbenzene	10.485	105	463985	11.464	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.784	83	111750	10.767	ug/l	98
71) 1,2,3-Trichloropropane	10.825	75	79872m	9.748	ug/l	
72) Bromobenzene	10.784	156	130303	10.738	ug/l	77
73) n-propylbenzene	10.906	120	135080	11.500	ug/l	82
74) 2-Chlorotoluene	10.986	126	121807	11.292	ug/l	76
75) 1,3,5-Trimethylbenzene	11.089	105	411188	10.212	ug/l	97
76) 4-Chlorotoluene	11.099	126	129152	11.251	ug/l	75
77) tert-Butylbenzene	11.420	119	414374	11.753	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	411180	9.992	ug/l	96
79) sec-Butylbenzene	11.645	105	539656	11.744	ug/l	96
80) Nitrobenzene	13.211	77	4967	11.719	ug/l #	98
81) p-Isopropyltoluene	11.793	119	468102	10.133	ug/l	95
82) 1,3-Dichlorobenzene	11.745	146	266722	11.126	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	270240	11.211	ug/l	97
84) n-Butylbenzene	12.211	91	437814	10.094	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	261267	11.344	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	18406	10.516	ug/l #	68
87) 1,2,4-Trichlorobenzene	13.841	180	196200	11.930	ug/l	98
88) Hexachlorobutadiene	14.021	225	108453	10.985	ug/l	97
89) Naphthalene	14.086	128	334334	11.968	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	179510	11.579	ug/l	97

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

