

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055797.D
 Acq On : 18 Oct 2023 12:30
 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 : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 02:14:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 02:09:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	105963	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	40268	0.963	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	37572	0.970	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	632871	15.380	ug/l	99
3) Chloromethane	1.515	50	517361	14.711	ug/l	100
4) Vinyl Chloride	1.602	62	547841	15.200	ug/l	99
5) Bromomethane	1.853	94	251970	12.702	ug/l	97
6) Chloroethane	1.924	64	186251	10.669	ug/l	100
7) Trichlorofluoromethane	2.116	101	696144	14.646	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	482957	15.242	ug/l	94
9) 1,1-Dichloroethene	2.567	96	457801	15.491	ug/l	92
10) Iodomethane	2.708	142	703761	15.883	ug/l	99
11) Allyl Chloride	2.911	41	613969	15.981	ug/l	95
12) Acrylonitrile	3.316	53	184558	33.232	ug/l	96
13) Acetone	2.637	43	796738	67.247	ug/l	98
14) Carbon Disulfide	2.779	76	1478715	15.327	ug/l	99
15) Methylene Chloride	3.033	84	505465	14.500	ug/l	94
16) trans-1,2-Dichloroethene	3.341	96	495252	15.811	ug/l	95
17) 1,1-Dichloroethane	3.859	63	899811	15.446	ug/l	100
18) 2-Butanone	4.708	43	965349	75.625	ug/l	99
19) Cyclohexane	5.380	56	841616m	19.098	ug/l	
20) Methylcyclohexane	6.759	83	900382	17.438	ug/l	97
21) 2,2-Dichloropropane	4.657	77	756898	15.429	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	529307	15.854	ug/l	100
23) Diethyl Ether	2.370	59	268328	15.187	ug/l	94
24) tert-Butyl Alcohol	3.348	59	294069m	167.536	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	1050241	16.513	ug/l	99
26) Bromochloromethane	4.968	128	215725	15.245	ug/l	97
27) Chloroform	5.081	83	911855	15.254	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	832063	15.530	ug/l	97
29) 1,1-Dichloropropene	5.518	75	681716	16.064	ug/l	99
30) Carbon Tetrachloride	5.518	117	719608	15.385	ug/l	99
31) Isopropyl Ether	3.988	45	1320017	16.867	ug/l	91
32) Ethyl-t-butyl ether	4.496	59	1294886	17.140	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	1134661	17.525	ug/l	97
34) Propionitrile	4.788	54	173605	88.391	ug/l	# 9
35) Benzene	5.769	78	2011529	15.648	ug/l	100
36) 1,2-Dichloroethane	5.788	62	529799	15.176	ug/l	99
37) Trichloroethene	6.537	130	515572	15.416	ug/l	99
38) 1,2-Dichloropropane	6.785	63	529188	15.763	ug/l	100
39) Methacrylonitrile	4.972	41	127020	17.302	ug/l	93
40) Methyl acrylate	4.840	55	242417	19.989	ug/l	99
41) Tetrahydrofuran	5.052	42	129436	30.704	ug/l	96
42) 1-Chlorobutane	5.451	56	915584	16.183	ug/l	98
43) Dibromomethane	6.914	93	241230	15.119	ug/l	99
44) Bromodichloromethane	7.103	83	653184	15.490	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.804	43	1340820	81.256	ug/l	95
46) t-1,4-Dichloro-2-butene	10.836	75	241175m	42.453	ug/l	
47) Methyl methacrylate	6.959	69	462102	35.108	ug/l	94
48) Ethyl methacrylate	8.335	69	473523	18.951	ug/l	94
49) Toluene	7.965	92	1269753	16.690	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	627895	16.827	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	760284	16.649	ug/l	96
52) 1,1,2-Trichloroethane	8.399	97	357846	15.702	ug/l	99
53) 1,3-Dichloropropane	8.573	76	619198	15.897	ug/l	100
54) 2-Hexanone	8.701	43	1403910	75.942	ug/l	95
55) Dibromochloromethane	8.811	129	441718	16.058	ug/l	100
56) 1,2-Dibromoethane	8.923	107	331554	15.923	ug/l	97
58) Tetrachloroethene	8.550	164	489206	14.067	ug/l	98
59) Chlorobenzene	9.447	112	1397545	16.632	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.534	131	485732	16.220	ug/l	98
61) Pentachloroethane	11.428	117	347461	17.143	ug/l	89
62) Hexachloroethane	12.476	117	403542	18.807	ug/l	98
63) Ethyl Benzene	9.570	91	2521261	17.682	ug/l	100
64) m/p-Xylenes	9.692	106	1923038	35.083	ug/l	99
65) o-Xylene	10.100	106	943249	17.537	ug/l	98
66) Styrene	10.113	104	1528914	18.177	ug/l	97
67) Bromoform	10.293	173	242295	16.399	ug/l	100
69) Isopropylbenzene	10.483	105	2497170	18.034	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.785	83	427316	16.034	ug/l	99
71) 1,2,3-Trichloropropane	10.836	75	434839m	20.305	ug/l	
72) Bromobenzene	10.782	156	540021	16.343	ug/l	99
73) n-propylbenzene	10.907	120	668300	18.734	ug/l	96
74) 2-Chlorotoluene	10.987	126	563118	16.964	ug/l	95
75) 1,3,5-Trimethylbenzene	11.087	105	2163861	18.281	ug/l	98
76) 4-Chlorotoluene	11.097	126	575517	17.013	ug/l	92
77) tert-Butylbenzene	11.418	119	2009439	18.519	ug/l	99
78) 1,2,4-Trimethylbenzene	11.467	105	2165571	18.475	ug/l	99
79) sec-Butylbenzene	11.643	105	2635160	19.240	ug/l	99
80) Nitrobenzene	13.206	77	71177	96.570	ug/l	99
81) p-Isopropyltoluene	11.791	119	2143263	19.431	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	1093232	16.209	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	1073246	16.443	ug/l	98
84) n-Butylbenzene	12.206	91	1816179	19.312	ug/l	97
85) 1,2-Dichlorobenzene	12.213	146	986286	16.002	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	65696	17.269	ug/l	96
87) 1,2,4-Trichlorobenzene	13.839	180	615397	18.398	ug/l	98
88) Hexachlorobutadiene	14.020	225	383769	16.501	ug/l	100
89) Naphthalene	14.084	128	990362	19.437	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	536605	18.696	ug/l	98

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

