

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
 Data File : VU053151.D
 Acq On : 27 Feb 2023 12:42
 Operator : JC/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 01:56:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 28 01:52:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	26595	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11115	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9377	1.054	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	108718	16.105	ug/l	99
3) Chloromethane	1.521	50	101885	14.648	ug/l	99
4) Vinyl Chloride	1.604	62	115262	15.564	ug/l	100
5) Bromomethane	1.855	94	69735	16.542	ug/l	98
6) Chloroethane	1.932	64	70650	15.704	ug/l	99
7) Trichlorofluoromethane	2.138	101	167150	15.679	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	105737	15.864	ug/l	99
9) 1,1-Dichloroethene	2.582	96	91677	15.835	ug/l	98
10) Iodomethane	2.723	142	104881	17.612	ug/l	99
11) Allyl Chloride	2.923	41	141491	15.654	ug/l	99
12) Acrylonitrile	3.309	53	46551m	31.333	ug/l	
13) Acetone	2.624	43	152264m	71.854	ug/l	
14) Carbon Disulfide	2.794	76	210449	15.844	ug/l	100
15) Methylene Chloride	3.042	84	115315	13.936	ug/l	95
16) trans-1,2-Dichloroethene	3.350	96	99417	15.622	ug/l	98
17) 1,1-Dichloroethane	3.865	63	223634	16.061	ug/l	100
18) 2-Butanone	4.707	43	189432	74.458	ug/l	100
19) Cyclohexane	5.382	56	165634m	14.915	ug/l	
20) Methylcyclohexane	6.759	83	170411	15.967	ug/l	99
21) 2,2-Dichloropropane	4.662	77	197910	16.223	ug/l	99
22) cis-1,2-Dichloroethene	4.662	96	128083	16.309	ug/l	98
23) Diethyl Ether	2.376	59	74681	15.765	ug/l	98
24) tert-Butyl Alcohol	3.190	59	90316	162.306	ug/l	100
25) Methyl tert-Butyl Ether	3.363	73	276553	16.430	ug/l	100
26) Bromochloromethane	4.971	128	49315	16.238	ug/l	93
27) Chloroform	5.087	83	228832	15.952	ug/l	100
28) 1,1,1-Trichloroethane	5.312	97	182842	15.173	ug/l	98
29) 1,1-Dichloropropene	5.521	75	138192	15.301	ug/l	99
30) Carbon Tetrachloride	5.518	117	133730	16.117	ug/l	99
31) Isopropyl Ether	3.993	45	353542	15.917	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	344519	16.366	ug/l	97
33) Tert-Amyl methyl ether	5.942	73	268480	16.071	ug/l	99
34) Propionitrile	4.775	54	46722	78.945	ug/l	95
35) Benzene	5.768	78	416009	15.610	ug/l	99
36) 1,2-Dichloroethane	5.791	62	123597	15.516	ug/l	99
37) Trichloroethene	6.537	130	98927	16.178	ug/l	96
38) 1,2-Dichloropropane	6.788	63	122325	15.873	ug/l	98
39) Methacrylonitrile	4.974	41	38157	15.081	ug/l	96
40) Methyl acrylate	4.846	55	66729	17.100	ug/l	100
41) Tetrahydrofuran	5.058	42	36951	29.851	ug/l	97
42) 1-Chlorobutane	5.453	56	193113	15.361	ug/l	99
43) Dibromomethane	6.916	93	54075	15.831	ug/l	100
44) Bromodichloromethane	7.103	83	153305	16.406	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	335695	80.491	ug/l	100
46) t-1,4-Dichloro-2-butene	10.829	75	69525m	33.082	ug/l	
47) Methyl methacrylate	6.961	69	115661	32.896	ug/l	98
48) Ethyl methacrylate	8.334	69	119059	16.502	ug/l	99
49) Toluene	7.964	92	262079	15.969	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	151277	16.665	ug/l	98
51) cis-1,3-Dichloropropene	7.604	75	180586	16.416	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	81368	16.217	ug/l	99
53) 1,3-Dichloropropane	8.572	76	144627	16.078	ug/l	99
54) 2-Hexanone	8.685	43	273553	76.983	ug/l	99
55) Dibromochloromethane	8.807	129	94818	16.563	ug/l	99
56) 1,2-Dibromoethane	8.919	107	74391	16.689	ug/l	98
58) Tetrachloroethene	8.550	164	76471	15.683	ug/l	96
59) Chlorobenzene	9.443	112	291740	15.897	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	99083	16.345	ug/l	100
61) Pentachloroethane	11.424	117	88717	16.843	ug/l	97
62) Hexachloroethane	12.472	117	101472	17.473	ug/l	98
63) Ethyl Benzene	9.566	91	541970	16.001	ug/l	99
64) m/p-Xylenes	9.691	106	399101	32.488	ug/l	99
65) o-Xylene	10.096	106	201170	16.036	ug/l	99
66) Styrene	10.109	104	335243	16.857	ug/l	98
67) Bromoform	10.289	173	48410	17.389	ug/l	99
69) Isopropylbenzene	10.482	105	542821	16.155	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	112747	16.674	ug/l	96
71) 1,2,3-Trichloropropane	10.826	75	91270m	16.162	ug/l	
72) Bromobenzene	10.778	156	106857	16.390	ug/l	99
73) n-propylbenzene	10.903	120	145987	16.376	ug/l	97
74) 2-Chlorotoluene	10.984	126	119168	16.145	ug/l	98
75) 1,3,5-Trimethylbenzene	11.083	105	461234	16.497	ug/l	99
76) 4-Chlorotoluene	11.093	126	125888	16.225	ug/l	97
77) tert-Butylbenzene	11.418	119	451858	16.493	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	471774	16.557	ug/l	99
79) sec-Butylbenzene	11.639	105	631902	16.621	ug/l	100
80) Nitrobenzene	13.202	77	29741	84.158	ug/l	98
81) p-Isopropyltoluene	11.791	119	506241	16.809	ug/l	100
82) 1,3-Dichlorobenzene	11.742	146	236573	16.527	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	244625	16.740	ug/l	99
84) n-Butylbenzene	12.205	91	533235	17.089	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	224794	16.471	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.993	75	19845	15.220	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	148214	17.695	ug/l	97
88) Hexachlorobutadiene	14.019	225	69952	17.099	ug/l	98
89) Naphthalene	14.083	128	318150	17.762	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	128984	17.501	ug/l	100

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

