

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101822\
 Data File : VU051442.D
 Acq On : 18 Oct 2022 15:20
 Operator : JC/MD
 Sample : N4955-08 1.0PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2022

Quant Time: Oct 19 03:55:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 19 03:54:58 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/25/2022
 Supervised By :Mahesh Dadoda 10/25/2022

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

Internal Standards						
1) Fluorobenzene	6.112	96	48074	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14465	0.858	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	17149	0.911	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	15530	0.925	ug/l	96
3) Chloromethane	1.533	50	22546	0.852	ug/l	96
4) Vinyl Chloride	1.604	62	19161	0.837	ug/l	90
5) Bromomethane	1.851	94	13471	1.055	ug/l	99
6) Chloroethane	1.932	64	11619	0.890	ug/l	96
7) Trichlorofluoromethane	2.138	101	22796	0.891	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	13409	0.950	ug/l	97
9) 1,1-Dichloroethene	2.575	96	13213	0.896	ug/l	87
10) Iodomethane	2.720	142	15586	0.815	ug/l	99
11) Allyl Chloride	2.922	41	19750	0.878	ug/l	95
12) Acrylonitrile	3.314	53	7788	1.794	ug/l	93
13) Acetone	2.626	43	13345	4.269	ug/l	97
14) Carbon Disulfide	2.790	76	45979	0.875	ug/l	99
15) Methylene Chloride	3.041	84	25340	1.173	ug/l	92
16) trans-1,2-Dichloroethene	3.347	96	14408	0.852	ug/l	96
17) 1,1-Dichloroethane	3.867	63	27217	0.895	ug/l	99
18) 2-Butanone	4.719	43	14755m	3.890	ug/l	
19) Cyclohexane	5.382	56	14400m	0.764	ug/l	
20) Methylcyclohexane	6.761	83	13865	0.741	ug/l	95
21) 2,2-Dichloropropane	4.662	77	18227	0.858	ug/l	100
22) cis-1,2-Dichloroethene	4.668	96	13371	0.835	ug/l	99
23) Diethyl Ether	2.376	59	10989	0.853	ug/l	95
24) tert-Butyl Alcohol	3.189	59	12106	8.961	ug/l #	93
25) Methyl tert-Butyl Ether	3.366	73	34691	0.904	ug/l	96
26) Bromochloromethane	4.977	128	7279	0.933	ug/l	91
27) Chloroform	5.089	83	27941	0.907	ug/l	99
28) 1,1,1-Trichloroethane	5.314	97	20708	0.842	ug/l	98
29) 1,1-Dichloropropene	5.527	75	14447	0.767	ug/l	99
30) Carbon Tetrachloride	5.523	117	17713	0.854	ug/l	99
31) Isopropyl Ether	3.996	45	29812	0.829	ug/l	93
32) Ethyl-t-butyl ether	4.504	59	25554	0.778	ug/l	100
33) Tert-Amyl methyl ether	5.941	73	21814	0.756	ug/l	98
34) Propionitrile	4.787	54	5392	4.228	ug/l #	87
35) Benzene	5.774	78	50969	0.807	ug/l	99
36) 1,2-Dichloroethane	5.793	62	17045	0.874	ug/l	99
37) Trichloroethene	6.539	130	11972	0.807	ug/l	93
38) 1,2-Dichloropropane	6.793	63	14847	0.856	ug/l	100
39) Methacrylonitrile	4.980	41	3204	0.735	ug/l	93
40) Methyl acrylate	4.864	55	5569m	0.801	ug/l	
41) Tetrahydrofuran	5.070	42	3745	1.636	ug/l #	74
42) 1-Chlorobutane	5.456	56	19811	0.771	ug/l	98
43) Dibromomethane	6.919	93	7488	0.832	ug/l	96
44) Bromodichloromethane	7.102	83	18021	0.828	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	30727	3.587	ug/l	94
46) t-1,4-Dichloro-2-butene	10.825	75	8960m	1.874	ug/l	
47) Methyl methacrylate	6.964	69	9819	1.427	ug/l	93
48) Ethyl methacrylate	8.333	69	7776	0.675	ug/l	90
49) Toluene	7.967	92	24374	0.703	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	13358	0.763	ug/l	96
51) cis-1,3-Dichloropropene	7.610	75	16537	0.801	ug/l	97
52) 1,1,2-Trichloroethane	8.401	97	11659	0.908	ug/l	95
53) 1,3-Dichloropropane	8.575	76	16921	0.817	ug/l	99
54) 2-Hexanone	8.687	43	20763	3.525	ug/l	89
55) Dibromochloromethane	8.806	129	11523	0.825	ug/l	94
56) 1,2-Dibromoethane	8.925	107	9261	0.820	ug/l	98
58) Tetrachloroethene	8.552	164	10516	0.814	ug/l	96
59) Chlorobenzene	9.446	112	29232	0.768	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	12545	0.861	ug/l	95
61) Pentachloroethane	11.427	117	10229	0.787	ug/l	98
62) Hexachloroethane	12.472	117	10046	0.814	ug/l	98
63) Ethyl Benzene	9.568	91	37029	0.642	ug/l	98
64) m/p-Xylenes	9.690	106	26263	1.142	ug/l	92
65) o-Xylene	10.099	106	14376	0.643	ug/l	96
66) Styrene	10.115	104	21456	0.578	ug/l	96
67) Bromoform	10.292	173	6158	0.785	ug/l #	97
69) Isopropylbenzene	10.481	105	35567	0.646	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	14967	0.861	ug/l	98
71) 1,2,3-Trichloropropane	10.822	75	11629m	0.901	ug/l	
72) Bromobenzene	10.784	156	10957	0.724	ug/l	97
73) n-propylbenzene	10.903	120	8776	0.567	ug/l	92
74) 2-Chlorotoluene	10.983	126	9391	0.638	ug/l	92
75) 1,3,5-Trimethylbenzene	11.086	105	28026	0.562	ug/l	100
76) 4-Chlorotoluene	11.099	126	9169	0.609	ug/l	91
77) tert-Butylbenzene	11.420	119	30718	0.630	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	29102	0.560	ug/l	99
79) sec-Butylbenzene	11.642	105	36572	0.567	ug/l	98
80) Nitrobenzene	13.214	77	3204	3.724	ug/l #	94
81) p-Isopropyltoluene	11.793	119	28110	0.544	ug/l	94
82) 1,3-Dichlorobenzene	11.745	146	23453	0.722	ug/l	97
83) 1,4-Dichlorobenzene	11.835	146	21715	0.683	ug/l	93
84) n-Butylbenzene	12.208	91	27029	0.528	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	23332	0.729	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	2000	0.736	ug/l	90
87) 1,2,4-Trichlorobenzene	13.841	180	11493	0.663	ug/l	98
88) Hexachlorobutadiene	14.018	225	8793	0.777	ug/l	98
89) Naphthalene	14.089	128	19151	0.528	ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	11620	0.612	ug/l	97

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

