

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
 Data File : VU057800.D
 Acq On : 02 Feb 2024 18:30
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 03 05:56:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 02 00:27:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	41110	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15076	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14368	1.025	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	138320	10.105	ug/l	100
3) Chloromethane	1.518	50	130517	9.937	ug/l	99
4) Vinyl Chloride	1.602	62	141554	10.569	ug/l	100
5) Bromomethane	1.856	94	83859	10.551	ug/l	96
6) Chloroethane	1.930	64	90608	10.709	ug/l	99
7) Trichlorofluoromethane	2.132	101	206356	10.061	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	106863	10.135	ug/l	96
9) 1,1-Dichloroethene	2.573	96	104974	10.275	ug/l	98
10) Iodomethane	2.718	142	140991	11.635	ug/l	96
11) Allyl Chloride	2.917	41	149403	10.781	ug/l	88
12) Acrylonitrile	3.319	53	40259	23.089	ug/l	99
13) Acetone	2.644	43	144009	45.635	ug/l	96
14) Carbon Disulfide	2.788	76	336111	10.278	ug/l	100
15) Methylene Chloride	3.039	84	124677	10.217	ug/l	97
16) trans-1,2-Dichloroethene	3.345	96	118117	10.589	ug/l	98
17) 1,1-Dichloroethane	3.859	63	226130	10.738	ug/l	100
18) 2-Butanone	4.708	43	166787	49.037	ug/l	99
19) Cyclohexane	5.383	56	167638	10.158	ug/l	87
20) Methylcyclohexane	6.756	83	205819	10.320	ug/l	97
21) 2,2-Dichloropropane	4.656	77	191693	10.251	ug/l	98
22) cis-1,2-Dichloroethene	4.660	96	128405	10.510	ug/l	95
23) Diethyl Ether	2.370	59	77073	10.451	ug/l	98
24) tert-Butyl Alcohol	3.251	59	92934m	110.872	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	254317	10.608	ug/l	94
26) Bromochloromethane	4.965	128	51089	10.410	ug/l	98
27) Chloroform	5.081	83	231364	10.568	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	207874	10.515	ug/l	100
29) 1,1-Dichloropropene	5.518	75	170013	10.630	ug/l	98
30) Carbon Tetrachloride	5.515	117	178734	10.493	ug/l	97
31) Isopropyl Ether	3.981	45	333767	10.831	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	316292	11.054	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	260161	10.801	ug/l	97
34) Propionitrile	4.792	54	40045	56.807	ug/l	# 12
35) Benzene	5.766	78	485993	10.554	ug/l	100
36) 1,2-Dichloroethane	5.788	62	140421	10.464	ug/l	98
37) Trichloroethene	6.537	130	126770	10.366	ug/l	99
38) 1,2-Dichloropropane	6.782	63	127975	10.718	ug/l	99
39) Methacrylonitrile	4.968	41	31584	11.241	ug/l	98
40) Methyl acrylate	4.843	55	56166	9.833	ug/l	99
41) Tetrahydrofuran	5.055	42	31390	20.925	ug/l	98
42) 1-Chlorobutane	5.451	56	227485	10.788	ug/l	96
43) Dibromomethane	6.914	93	58766	10.702	ug/l	96
44) Bromodichloromethane	7.100	83	164740	10.715	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	304868	52.095	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	36479m	22.920	ug/l	
47) Methyl methacrylate	6.955	69	107571	22.177	ug/l	95
48) Ethyl methacrylate	8.328	69	103320	10.627	ug/l	97
49) Toluene	7.965	92	298090	10.597	ug/l	98
50) t-1,3-Dichloropropene	8.203	75	144111	10.857	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	180022	10.708	ug/l	96
52) 1,1,2-Trichloroethane	8.393	97	80086	10.584	ug/l	99
53) 1,3-Dichloropropane	8.569	76	143874	10.580	ug/l	99
54) 2-Hexanone	8.679	43	251330	46.653	ug/l	98
55) Dibromochloromethane	8.804	129	98838	10.554	ug/l	99
56) 1,2-Dibromoethane	8.917	107	74558	10.707	ug/l	98
58) Tetrachloroethene	8.547	164	111262	10.311	ug/l	95
59) Chlorobenzene	9.441	112	325932	10.480	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	114213	10.817	ug/l	96
61) Pentachloroethane	11.421	117	82603	10.762	ug/l	89
62) Hexachloroethane	12.470	117	90396	8.971	ug/l	96
63) Ethyl Benzene	9.563	91	597579	10.804	ug/l	99
64) m/p-Xylenes	9.688	106	435325	21.670	ug/l	96
65) o-Xylene	10.094	106	214581	10.791	ug/l	96
66) Styrene	10.110	104	333211	11.227	ug/l	96
67) Bromoform	10.286	173	50543	10.485	ug/l	98
69) Isopropylbenzene	10.479	105	569001	10.915	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	97898	10.323	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	66071m	8.439	ug/l	
72) Bromobenzene	10.778	156	121662	10.605	ug/l	97
73) n-propylbenzene	10.901	120	144434	11.026	ug/l	99
74) 2-Chlorotoluene	10.981	126	131244	10.801	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	478010	10.675	ug/l	100
76) 4-Chlorotoluene	11.094	126	133529	10.934	ug/l	96
77) tert-Butylbenzene	11.415	119	441118	10.498	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	486098	10.703	ug/l	99
79) sec-Butylbenzene	11.637	105	555171	10.337	ug/l	99
80) Nitrobenzene	13.206	77	10700	44.944	ug/l #	92
81) p-Isopropyltoluene	11.788	119	474290	10.474	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	241025	10.392	ug/l	97
83) 1,4-Dichlorobenzene	11.830	146	237662	10.497	ug/l	98
84) n-Butylbenzene	12.203	91	467070	10.785	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	223159	10.605	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	15184	9.805	ug/l	98
87) 1,2,4-Trichlorobenzene	13.833	180	138826	11.041	ug/l	98
88) Hexachlorobutadiene	14.016	225	79817	9.893	ug/l	99
89) Naphthalene	14.081	128	208674	10.750	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	112322	10.738	ug/l	99

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

