

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
 Data File : VU057768.D
 Acq On : 01 Feb 2024 09:23
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/08/2024
 Supervised By : Mahesh Dadoda 02/08/2024

Quant Time: Feb 02 00:33:15 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	44266	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	21616	1.290	ug/l	0.00
Spiked Amount 1.000			Recovery	=	129.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14558	0.964	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	148155	10.052	ug/l	98
3) Chloromethane	1.518	50	139672	9.875	ug/l	99
4) Vinyl Chloride	1.602	62	147227	10.209	ug/l	99
5) Bromomethane	1.856	94	88855	10.382	ug/l	99
6) Chloroethane	1.933	64	89806	9.857	ug/l	100
7) Trichlorofluoromethane	2.136	101	218491	9.894	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	113406	9.988	ug/l	96
9) 1,1-Dichloroethene	2.576	96	110034	10.002	ug/l	99
10) Iodomethane	2.718	142	143616	11.007	ug/l	96
11) Allyl Chloride	2.917	41	154954	10.384	ug/l	86
12) Acrylonitrile	3.322	53	40431	21.535	ug/l	97
13) Acetone	2.647	43	173864	51.167	ug/l	95
14) Carbon Disulfide	2.788	76	358196	10.172	ug/l	100
15) Methylene Chloride	3.039	84	129190	9.832	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	122465	10.196	ug/l	98
17) 1,1-Dichloroethane	3.862	63	233114	10.281	ug/l	100
18) 2-Butanone	4.708	43	201388	54.989	ug/l	98
19) Cyclohexane	5.383	56	180389	10.151	ug/l	87
20) Methylcyclohexane	6.756	83	225999	10.524	ug/l	96
21) 2,2-Dichloropropane	4.657	77	210883	10.473	ug/l	96
22) cis-1,2-Dichloroethene	4.660	96	134442	10.220	ug/l	97
23) Diethyl Ether	2.370	59	78737	9.915	ug/l	98
24) tert-Butyl Alcohol	3.274	59	88135m	97.650	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	260989	10.110	ug/l	94
26) Bromochloromethane	4.965	128	53564	10.136	ug/l	99
27) Chloroform	5.081	83	239204	10.147	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	218034	10.243	ug/l	99
29) 1,1-Dichloropropene	5.521	75	180188	10.463	ug/l	97
30) Carbon Tetrachloride	5.518	117	191268	10.429	ug/l	99
31) Isopropyl Ether	3.981	45	342304	10.316	ug/l	96
32) Ethyl-t-butyl ether	4.493	59	312491	10.143	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	266092	10.259	ug/l	98
34) Propionitrile	4.795	54	38626	50.887	ug/l	# 13
35) Benzene	5.769	78	504947	10.184	ug/l	99
36) 1,2-Dichloroethane	5.785	62	145203	10.049	ug/l	97
37) Trichloroethene	6.538	130	131961	10.021	ug/l	98
38) 1,2-Dichloropropane	6.785	63	129682	10.086	ug/l	99
39) Methacrylonitrile	4.968	41	33010	10.911	ug/l	95
40) Methyl acrylate	4.843	55	57440	9.373	ug/l	98
41) Tetrahydrofuran	5.058	42	31024	19.206	ug/l	96
42) 1-Chlorobutane	5.451	56	235474	10.371	ug/l	97
43) Dibromomethane	6.914	93	61446	10.392	ug/l	97
44) Bromodichloromethane	7.100	83	170593	10.305	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	327171	51.920	ug/l	98
46) t-1,4-Dichloro-2-butene	10.833	75	40045m	23.353	ug/l	
47) Methyl methacrylate	6.955	69	108353	20.745	ug/l	92
48) Ethyl methacrylate	8.328	69	108434	10.358	ug/l	98
49) Toluene	7.965	92	314999	10.400	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	153090	10.712	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	191723	10.590	ug/l	95
52) 1,1,2-Trichloroethane	8.393	97	81761	10.035	ug/l	98
53) 1,3-Dichloropropane	8.570	76	148758	10.159	ug/l	99
54) 2-Hexanone	8.682	43	310065	53.452	ug/l	98
55) Dibromochloromethane	8.804	129	104571	10.370	ug/l	99
56) 1,2-Dibromoethane	8.917	107	78359	10.451	ug/l	97
58) Tetrachloroethene	8.547	164	116785	10.051	ug/l	95
59) Chlorobenzene	9.441	112	342261	10.220	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	119302	10.494	ug/l	97
61) Pentachloroethane	11.422	117	89219	10.795	ug/l	88
62) Hexachloroethane	12.470	117	98718	9.092	ug/l	96
63) Ethyl Benzene	9.566	91	621893	10.442	ug/l	100
64) m/p-Xylenes	9.689	106	460812	21.304	ug/l	98
65) o-Xylene	10.094	106	223250	10.427	ug/l	94
66) Styrene	10.110	104	345122	10.799	ug/l	96
67) Bromoform	10.287	173	54895	10.576	ug/l	98
69) Isopropylbenzene	10.479	105	595263	10.605	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	100020	9.795	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	69823m	8.282	ug/l	
72) Bromobenzene	10.778	156	127233	10.300	ug/l	98
73) n-propylbenzene	10.901	120	151245	10.723	ug/l	97
74) 2-Chlorotoluene	10.981	126	137498	10.508	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	509114	10.559	ug/l	99
76) 4-Chlorotoluene	11.090	126	138623	10.541	ug/l	95
77) tert-Butylbenzene	11.415	119	462469	10.221	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	509810	10.425	ug/l	99
79) sec-Butylbenzene	11.637	105	587630	10.161	ug/l	99
80) Nitrobenzene	13.209	77	10593	41.566	ug/l #	91
81) p-Isopropyltoluene	11.788	119	513643	10.534	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	255010	10.211	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	250286	10.266	ug/l	99
84) n-Butylbenzene	12.203	91	496641	10.651	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	230289	10.163	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	15363	9.235	ug/l	95
87) 1,2,4-Trichlorobenzene	13.833	180	136578	10.088	ug/l	97
88) Hexachlorobutadiene	14.016	225	87527	10.076	ug/l	99
89) Naphthalene	14.081	128	194353	9.299	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	107691	9.561	ug/l	99

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

