

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061144.D
 Acq On : 17 Oct 2024 13:06
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/21/2024
 Supervised By : Mahesh Dadoda 10/21/2024

Quant Time: Oct 18 02:36:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 02:32:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	29103	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16240	1.050	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16067	1.055	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	171412	10.694	ug/l	100
3) Chloromethane	1.515	50	156848	10.285	ug/l	100
4) Vinyl Chloride	1.602	62	166805	10.650	ug/l	100
5) Bromomethane	1.856	94	105987	10.770	ug/l	100
6) Chloroethane	1.930	64	109981	10.479	ug/l	100
7) Trichlorofluoromethane	2.133	101	234063	10.506	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	120478	10.876	ug/l	100
9) 1,1-Dichloroethene	2.573	96	125357	10.856	ug/l	100
10) Iodomethane	2.718	142	151481	9.310	ug/l	100
11) Allyl Chloride	2.917	41	161631	10.867	ug/l	100
12) Acrylonitrile	3.319	53	48923	21.058	ug/l	100
13) Acetone	2.647	43	172660	57.003	ug/l	100
14) Carbon Disulfide	2.789	76	424385	10.667	ug/l	100
15) Methylene Chloride	3.039	84	147351	9.860	ug/l	100
16) trans-1,2-Dichloroethene	3.345	96	146446	10.814	ug/l	100
17) 1,1-Dichloroethane	3.859	63	256622	10.688	ug/l	100
18) 2-Butanone	4.705	43	206495	57.280	ug/l	100
19) Cyclohexane	5.380	56	231517m	10.765	ug/l	
20) Methylcyclohexane	6.756	83	267638	11.161	ug/l	100
21) 2,2-Dichloropropane	4.653	77	236650	10.684	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	159109	10.785	ug/l	100
23) Diethyl Ether	2.371	59	91894	10.242	ug/l	100
24) tert-Butyl Alcohol	3.255	59	87684m	93.864	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	327908	10.600	ug/l	100
26) Bromochloromethane	4.965	128	65160	10.562	ug/l	100
27) Chloroform	5.078	83	269635	10.709	ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	241234	10.867	ug/l	100
29) 1,1-Dichloropropene	5.518	75	213473	10.878	ug/l	100
30) Carbon Tetrachloride	5.515	117	213010	11.059	ug/l	100
31) Isopropyl Ether	3.981	45	369168	10.777	ug/l	100
32) Ethyl-t-butyl ether	4.489	59	379286	10.769	ug/l	100
33) Tert-Amyl methyl ether	5.930	73	343529	10.837	ug/l	100
34) Propionitrile	4.792	54	49907	55.952	ug/l	100
35) Benzene	5.766	78	597522	10.816	ug/l	100
36) 1,2-Dichloroethane	5.785	62	168112	10.778	ug/l	100
37) Trichloroethene	6.534	130	159070	10.788	ug/l	100
38) 1,2-Dichloropropane	6.779	63	152636	10.909	ug/l	100
39) Methacrylonitrile	4.968	41	36732	11.526	ug/l	100
40) Methyl acrylate	4.843	55	67464	10.535	ug/l	100
41) Tetrahydrofuran	5.055	42	38180	20.163	ug/l	100
42) 1-Chlorobutane	5.448	56	278871	11.079	ug/l	100
43) Dibromomethane	6.911	93	76922	10.602	ug/l	100
44) Bromodichloromethane	7.097	83	190710	10.809	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	393406	54.017	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	68297m	22.664	ug/l	
47) Methyl methacrylate	6.952	69	140308	22.252	ug/l	100
48) Ethyl methacrylate	8.325	69	147884	10.999	ug/l	100
49) Toluene	7.962	92	383599	10.992	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	189562	11.144	ug/l	100
51) cis-1,3-Dichloropropene	7.599	75	233044	11.166	ug/l	100
52) 1,1,2-Trichloroethane	8.390	97	104049	10.634	ug/l	100
53) 1,3-Dichloropropane	8.566	76	185061	10.768	ug/l	100
54) 2-Hexanone	8.676	43	337955	56.486	ug/l	100
55) Dibromochloromethane	8.801	129	128226	11.101	ug/l	100
56) 1,2-Dibromoethane	8.917	107	101746	10.838	ug/l	100
58) Tetrachloroethene	8.547	164	135059	10.802	ug/l	100
59) Chlorobenzene	9.438	112	411271	10.940	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	138433	10.915	ug/l	100
61) Pentachloroethane	11.418	117	110336	11.368	ug/l	100
62) Hexachloroethane	12.467	117	115076	11.508	ug/l	100
63) Ethyl Benzene	9.563	91	740437	10.994	ug/l	100
64) m/p-Xylenes	9.685	106	572087	22.319	ug/l	100
65) o-Xylene	10.090	106	279160	11.057	ug/l	100
66) Styrene	10.107	104	443429	11.293	ug/l	100
67) Bromoform	10.280	173	68967	11.402	ug/l	100
69) Isopropylbenzene	10.476	105	666474	11.097	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	127593	10.736	ug/l	100
71) 1,2,3-Trichloropropane	10.817	75	101912m	10.440	ug/l	
72) Bromobenzene	10.772	156	157710	10.921	ug/l	100
73) n-propylbenzene	10.898	120	198647	11.335	ug/l	100
74) 2-Chlorotoluene	10.978	126	168578	11.121	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	608778	11.242	ug/l	100
76) 4-Chlorotoluene	11.090	126	172596	11.203	ug/l	100
77) tert-Butylbenzene	11.412	119	601684	11.241	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	616693	11.280	ug/l	100
79) sec-Butylbenzene	11.634	105	790729	11.344	ug/l	100
80) Nitrobenzene	13.203	77	16914m	49.659	ug/l	
81) p-Isopropyltoluene	11.785	119	652561	11.308	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	310695	11.214	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	311830	11.288	ug/l	100
84) n-Butylbenzene	12.200	91	622318	11.623	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	286009	11.041	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	21116	11.974	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	175218	11.827	ug/l	100
88) Hexachlorobutadiene	14.013	225	94798	11.317	ug/l	100
89) Naphthalene	14.077	128	302281	11.563	ug/l	100
90) 1,2,3-Trichlorobenzene	14.319	180	155440	11.679	ug/l	100

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

