

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
 Data File : VU061156.D
 Acq On : 18 Oct 2024 10:26
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
 Supervised By :Semsettin Yesilyurt 10/25/2024

Quant Time: Oct 18 23:45:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 02:52:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	28257	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15374	1.024	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	15712	1.062	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	171727	11.034	ug/l	98
3) Chloromethane	1.515	50	162216	10.956	ug/l	99
4) Vinyl Chloride	1.599	62	170376	11.204	ug/l	99
5) Bromomethane	1.853	94	104352	10.921	ug/l	99
6) Chloroethane	1.930	64	118524	11.631	ug/l	99
7) Trichlorofluoromethane	2.129	101	275832	12.751	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	119116	11.075	ug/l	97
9) 1,1-Dichloroethene	2.570	96	127380	11.361	ug/l	99
10) Iodomethane	2.714	142	175268	10.945	ug/l	100
11) Allyl Chloride	2.914	41	158931	11.005	ug/l	100
12) Acrylonitrile	3.319	53	51006	22.621	ug/l	99
13) Acetone	2.647	43	160440	54.555	ug/l	98
14) Carbon Disulfide	2.785	76	422911	10.948	ug/l	100
15) Methylene Chloride	3.036	84	143968	9.922	ug/l	99
16) trans-1,2-Dichloroethene	3.341	96	144520	10.992	ug/l	100
17) 1,1-Dichloroethane	3.856	63	260346	11.168	ug/l	99
18) 2-Butanone	4.708	43	195840	54.387	ug/l	100
19) Cyclohexane	5.377	56	227284m	10.884	ug/l	
20) Methylcyclohexane	6.753	83	258537	11.104	ug/l	99
21) 2,2-Dichloropropane	4.653	77	231401	10.760	ug/l	99
22) cis-1,2-Dichloroethene	4.656	96	159471	11.133	ug/l	100
23) Diethyl Ether	2.370	59	95517	10.964	ug/l	99
24) tert-Butyl Alcohol	3.261	59	115511m	127.077	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	334794	11.147	ug/l	99
26) Bromochloromethane	4.962	128	67512	11.271	ug/l	97
27) Chloroform	5.078	83	274129	11.213	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	239323	11.104	ug/l	99
29) 1,1-Dichloropropene	5.515	75	208099	10.922	ug/l	100
30) Carbon Tetrachloride	5.515	117	209834	11.221	ug/l	100
31) Isopropyl Ether	3.981	45	374132	11.249	ug/l	100
32) Ethyl-t-butyl ether	4.489	59	386479	11.302	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	356976	11.598	ug/l	99
34) Propionitrile	4.792	54	50323	58.579	ug/l	# 98
35) Benzene	5.763	78	604699	11.274	ug/l	100
36) 1,2-Dichloroethane	5.785	62	168469	11.124	ug/l	99
37) Trichloroethene	6.534	130	157959	11.033	ug/l	100
38) 1,2-Dichloropropane	6.782	63	152731	11.242	ug/l	99
39) Methacrylonitrile	4.968	41	36684	11.857	ug/l	97
40) Methyl acrylate	4.843	55	69596	11.093	ug/l	99
41) Tetrahydrofuran	5.058	42	39036	21.008	ug/l	97
42) 1-Chlorobutane	5.447	56	269923	11.045	ug/l	99
43) Dibromomethane	6.910	93	77576	11.012	ug/l	99
44) Bromodichloromethane	7.097	83	192965	11.265	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	388895	54.996	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	61162m	21.692	ug/l	
47) Methyl methacrylate	6.952	69	141553	23.121	ug/l	99
48) Ethyl methacrylate	8.325	69	149301	11.437	ug/l	100
49) Toluene	7.962	92	382712	11.294	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	189548	11.477	ug/l	98
51) cis-1,3-Dichloropropene	7.598	75	232124	11.455	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	106237	11.182	ug/l	100
53) 1,3-Dichloropropane	8.566	76	185529	11.118	ug/l	99
54) 2-Hexanone	8.679	43	310141	53.389	ug/l	100
55) Dibromochloromethane	8.801	129	129438	11.541	ug/l	99
56) 1,2-Dibromoethane	8.914	107	101748	11.162	ug/l	98
58) Tetrachloroethene	8.547	164	133360	10.986	ug/l	99
59) Chlorobenzene	9.438	112	406510	11.137	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	141516	11.492	ug/l	98
61) Pentachloroethane	11.418	117	111509	11.833	ug/l	100
62) Hexachloroethane	12.466	117	115959	11.943	ug/l	99
63) Ethyl Benzene	9.563	91	732843	11.207	ug/l	100
64) m/p-Xylenes	9.685	106	559613	22.486	ug/l	99
65) o-Xylene	10.094	106	276285	11.271	ug/l	99
66) Styrene	10.106	104	441977	11.593	ug/l	99
67) Bromoform	10.283	173	69415	11.819	ug/l	98
69) Isopropylbenzene	10.476	105	655838	11.247	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	131940	11.434	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	101290m	10.778	ug/l	
72) Bromobenzene	10.775	156	154990	11.054	ug/l	100
73) n-propylbenzene	10.897	120	196066	11.522	ug/l	98
74) 2-Chlorotoluene	10.978	126	166142	11.289	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	601339	11.437	ug/l	100
76) 4-Chlorotoluene	11.090	126	169405	11.326	ug/l	99
77) tert-Butylbenzene	11.412	119	594280	11.435	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	607942	11.453	ug/l	100
79) sec-Butylbenzene	11.634	105	775991	11.466	ug/l	100
80) Nitrobenzene	13.206	77	16017m	48.625	ug/l	
81) p-Isopropyltoluene	11.785	119	645371	11.518	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	306333	11.387	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	307346	11.459	ug/l	99
84) n-Butylbenzene	12.200	91	610936	11.752	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	286459	11.390	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	20665	12.069	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	175093	12.173	ug/l	98
88) Hexachlorobutadiene	14.013	225	93396	11.483	ug/l	99
89) Naphthalene	14.077	128	310641	12.238	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	153812	11.903	ug/l	99

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

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