

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061145.D
 Acq On : 17 Oct 2024 13:31
 Operator : MD/SY
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 02:36:50 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	6.107	96	32306	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	17786	1.036	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	17515	1.036	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	281714	15.833	ug/l	99
3) Chloromethane	1.518	50	255906	15.118	ug/l	99
4) Vinyl Chloride	1.602	62	267234	15.371	ug/l	100
5) Bromomethane	1.856	94	126868	11.613	ug/l	96
6) Chloroethane	1.930	64	180588	15.500	ug/l	99
7) Trichlorofluoromethane	2.126	101	457738	18.508	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.563	101	194614	15.827	ug/l	97
9) 1,1-Dichloroethene	2.560	96	201953	15.755	ug/l	98
10) Iodomethane	2.705	142	290693	15.527	ug/l	100
11) Allyl Chloride	2.907	41	257571	15.600	ug/l	100
12) Acrylonitrile	3.322	53	81413	31.568	ug/l	97
13) Acetone	2.653	43	276654	82.281	ug/l	100
14) Carbon Disulfide	2.775	76	684364	15.496	ug/l	100
15) Methylene Chloride	3.029	84	238885	14.401	ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	234680	15.612	ug/l	100
17) 1,1-Dichloroethane	3.853	63	414401	15.548	ug/l	99
18) 2-Butanone	4.714	43	336395	84.062	ug/l	100
19) Cyclohexane	5.373	56	371605m	15.565	ug/l	
20) Methylcyclohexane	6.750	83	425245	15.975	ug/l	99
21) 2,2-Dichloropropane	4.647	77	379129	15.420	ug/l	100
22) cis-1,2-Dichloroethene	4.650	96	255744	15.617	ug/l	100
23) Diethyl Ether	2.364	59	157567	15.820	ug/l	99
24) tert-Butyl Alcohol	3.470	59	172190m	166.051	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	533281	15.530	ug/l	98
26) Bromochloromethane	4.962	128	104600	15.274	ug/l	98
27) Chloroform	5.074	83	437494	15.653	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	390277	15.838	ug/l	99
29) 1,1-Dichloropropene	5.512	75	339198	15.571	ug/l	100
30) Carbon Tetrachloride	5.512	117	340855	15.942	ug/l	100
31) Isopropyl Ether	3.981	45	603287	15.865	ug/l	98
32) Ethyl-t-butyl ether	4.489	59	623430	15.946	ug/l	98
33) Tert-Amyl methyl ether	5.930	73	583463	16.580	ug/l	99
34) Propionitrile	4.801	54	79792	80.588	ug/l #	95
35) Benzene	5.759	78	967493	15.777	ug/l	99
36) 1,2-Dichloroethane	5.782	62	270081	15.599	ug/l	100
37) Trichloroethene	6.531	130	253596	15.493	ug/l	100
38) 1,2-Dichloropropane	6.779	63	241814	15.569	ug/l	99
39) Methacrylonitrile	4.968	41	59867	16.923	ug/l	97
40) Methyl acrylate	4.840	55	117553	16.538	ug/l	100
41) Tetrahydrofuran	5.058	42	61210	29.120	ug/l	98
42) 1-Chlorobutane	5.444	56	438288	15.686	ug/l	99
43) Dibromomethane	6.907	93	125018	15.523	ug/l	99
44) Bromodichloromethane	7.094	83	310107	15.834	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	644431	79.711	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	109057m	32.602	ug/l	
47) Methyl methacrylate	6.952	69	227731	32.536	ug/l	99
48) Ethyl methacrylate	8.328	69	249120	16.692	ug/l	100
49) Toluene	7.959	92	619250	15.985	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	311626	16.504	ug/l	98
51) cis-1,3-Dichloropropene	7.595	75	373997	16.143	ug/l	98
52) 1,1,2-Trichloroethane	8.389	97	170874	15.732	ug/l	99
53) 1,3-Dichloropropane	8.566	76	298953	15.670	ug/l	99
54) 2-Hexanone	8.698	43	543549	81.842	ug/l	99
55) Dibromochloromethane	8.801	129	215351	16.795	ug/l	99
56) 1,2-Dibromoethane	8.913	107	165305	15.862	ug/l	98
58) Tetrachloroethene	8.544	164	217785	15.692	ug/l	99
59) Chlorobenzene	9.438	112	667603	15.998	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	230515	16.373	ug/l	99
61) Pentachloroethane	11.421	117	189795	17.616	ug/l	100
62) Hexachloroethane	12.466	117	202199	18.215	ug/l	98
63) Ethyl Benzene	9.560	91	1200948	16.064	ug/l	100
64) m/p-Xylenes	9.685	106	926949	32.578	ug/l	99
65) o-Xylene	10.090	106	455509	16.254	ug/l	100
66) Styrene	10.106	104	751453	17.240	ug/l	98
67) Bromoform	10.286	173	117398	17.484	ug/l	99
69) Isopropylbenzene	10.476	105	1092421	16.386	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	213749	16.202	ug/l	99
71) 1,2,3-Trichloropropane	10.830	75	164903m	15.218	ug/l	
72) Bromobenzene	10.775	156	259626	16.196	ug/l	99
73) n-propylbenzene	10.897	120	329211	16.922	ug/l	98
74) 2-Chlorotoluene	10.978	126	281675	16.740	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	1015024	16.886	ug/l	100
76) 4-Chlorotoluene	11.090	126	287921	16.836	ug/l	99
77) tert-Butylbenzene	11.412	119	1002860	16.879	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	1019272	16.796	ug/l	99
79) sec-Butylbenzene	11.637	105	1313715	16.978	ug/l	100
80) Nitrobenzene	13.203	77	29541	75.851	ug/l #	90
81) p-Isopropyltoluene	11.785	119	1091714	17.042	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	516111	16.781	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	514986	16.793	ug/l	98
84) n-Butylbenzene	12.200	91	1034745	17.410	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	478777	16.650	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	33508	17.117	ug/l	96
87) 1,2,4-Trichlorobenzene	13.830	180	290374	17.657	ug/l	99
88) Hexachlorobutadiene	14.013	225	156186	16.797	ug/l	99
89) Naphthalene	14.077	128	525403	18.105	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	256960	17.392	ug/l	100

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

