

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
 Data File : VU061165.D
 Acq On : 18 Oct 2024 15:34
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 00:00:04 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	29233	1.000 ug/l	# 0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.627	95	15059	0.969 ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%
68) 1,2-Dichlorobenzene-d4	12.184	152	15850	1.036 ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%
Target Compounds					
					Qvalue
2) Dichlorodifluoromethane	1.383	85	155257	9.643 ug/l	100
3) Chloromethane	1.515	50	146925	9.592 ug/l	99
4) Vinyl Chloride	1.602	62	158423	10.070 ug/l	98
5) Bromomethane	1.856	94	98931	10.008 ug/l	98
6) Chloroethane	1.930	64	111953	10.619 ug/l	100
7) Trichlorofluoromethane	2.133	101	221903	9.916 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	117156	10.529 ug/l	97
9) 1,1-Dichloroethene	2.573	96	123350	10.634 ug/l	98
10) Iodomethane	2.715	142	159643	9.730 ug/l	99
11) Allyl Chloride	2.917	41	153573	10.279 ug/l	99
12) Acrylonitrile	3.319	53	48627	20.846 ug/l	97
13) Acetone	2.644	43	179644	59.045 ug/l	98
14) Carbon Disulfide	2.789	76	406623	10.175 ug/l	100
15) Methylene Chloride	3.039	84	142307	9.481 ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	142650	10.487 ug/l	99
17) 1,1-Dichloroethane	3.859	63	255045	10.575 ug/l	100
18) 2-Butanone	4.705	43	209603	56.266 ug/l	100
19) Cyclohexane	5.380	56	225467m	10.436 ug/l	
20) Methylcyclohexane	6.756	83	260166	10.801 ug/l	99
21) 2,2-Dichloropropane	4.653	77	227526	10.227 ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	156866	10.586 ug/l	99
23) Diethyl Ether	2.371	59	88900	9.864 ug/l	98
24) tert-Butyl Alcohol	3.242	59	94704	100.708 ug/l	# 82
25) Methyl tert-Butyl Ether	3.354	73	326754	10.516 ug/l	100
26) Bromochloromethane	4.965	128	65872	10.630 ug/l	98
27) Chloroform	5.078	83	267271	10.568 ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	239433	10.738 ug/l	99
29) 1,1-Dichloropropene	5.518	75	208988	10.602 ug/l	100
30) Carbon Tetrachloride	5.515	117	208234	10.763 ug/l	100
31) Isopropyl Ether	3.981	45	364730	10.600 ug/l	100
32) Ethyl-t-butyl ether	4.489	59	373463	10.557 ug/l	99
33) Tert-Amyl methyl ether	5.930	73	344303	10.813 ug/l	99
34) Propionitrile	4.788	54	49727	55.952 ug/l	# 99
35) Benzene	5.766	78	596323	10.746 ug/l	100
36) 1,2-Dichloroethane	5.785	62	167905	10.717 ug/l	99
37) Trichloroethene	6.534	130	158739	10.718 ug/l	98
38) 1,2-Dichloropropane	6.782	63	150735	10.725 ug/l	99
39) Methacrylonitrile	4.965	41	37960	11.860 ug/l	97
40) Methyl acrylate	4.840	55	70626	10.881 ug/l	99
41) Tetrahydrofuran	5.055	42	38160	19.851 ug/l	97
42) 1-Chlorobutane	5.451	56	269950	10.677 ug/l	99
43) Dibromomethane	6.911	93	78433	10.762 ug/l	100
44) Bromodichloromethane	7.097	83	190041	10.724 ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	389148	53.194	ug/l	100
46) t-1,4-Dichloro-2-butene	10.827	75	68418m	23.455	ug/l	
47) Methyl methacrylate	6.952	69	142751	22.539	ug/l	99
48) Ethyl methacrylate	8.325	69	148224	10.975	ug/l	99
49) Toluene	7.962	92	381112	10.872	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	184865	10.820	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	229148	10.930	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	105009	10.684	ug/l	99
53) 1,3-Dichloropropane	8.566	76	183220	10.613	ug/l	99
54) 2-Hexanone	8.676	43	319966	53.242	ug/l	99
55) Dibromochloromethane	8.801	129	128403	11.066	ug/l	100
56) 1,2-Dibromoethane	8.917	107	100651	10.673	ug/l	98
58) Tetrachloroethene	8.547	164	134295	10.694	ug/l	100
59) Chlorobenzene	9.438	112	406948	10.777	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	137413	10.786	ug/l	99
61) Pentachloroethane	11.418	117	107466	11.023	ug/l	98
62) Hexachloroethane	12.467	117	112446	11.195	ug/l	98
63) Ethyl Benzene	9.563	91	723247	10.691	ug/l	99
64) m/p-Xylenes	9.685	106	561032	21.791	ug/l	100
65) o-Xylene	10.094	106	272767	10.756	ug/l	98
66) Styrene	10.107	104	435627	11.045	ug/l	99
67) Bromoform	10.283	173	69248	11.397	ug/l	100
69) Isopropylbenzene	10.476	105	652980	10.824	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	128876	10.795	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	101257m	10.415	ug/l	
72) Bromobenzene	10.775	156	154366	10.642	ug/l	100
73) n-propylbenzene	10.898	120	192482	10.934	ug/l	99
74) 2-Chlorotoluene	10.978	126	165241	10.853	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	596517	10.967	ug/l	100
76) 4-Chlorotoluene	11.090	126	170271	11.003	ug/l	100
77) tert-Butylbenzene	11.412	119	588101	10.939	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	599609	10.919	ug/l	100
79) sec-Butylbenzene	11.634	105	769630	10.992	ug/l	100
80) Nitrobenzene	13.203	77	14159m	42.209	ug/l	
81) p-Isopropyltoluene	11.785	119	635977	10.971	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	303042	10.889	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	303879	10.951	ug/l	99
84) n-Butylbenzene	12.200	91	605137	11.252	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	283135	10.882	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	19677	11.108	ug/l	95
87) 1,2,4-Trichlorobenzene	13.833	180	165781	11.141	ug/l	99
88) Hexachlorobutadiene	14.013	225	92447	10.987	ug/l	98
89) Naphthalene	14.077	128	283951	10.813	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	146691	10.973	ug/l	99

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

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