Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111224\
Data File : VU061597.D
Acq On : 12 Nov 2024 09:57
Operator : MD/SY
Sample : VSTDICC002
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 04:41:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U111224DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Nov 13 04:39:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/13/2024
Supervised By :Mahesh Dadoda 11/13/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.110	96	47683	1.000 ug/l #	0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.627	95	15500	0.937 ug/l	0.00
Spiked Amount 1.000			Recovery =	94.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	16526	1.003 ug/l	0.00
Spiked Amount 1.000			Recovery =	100.000%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.383	85	22511	1.837 ug/l	99
3) Chloromethane	1.518	50	22638	1.931 ug/l	99
4) Vinyl Chloride	1.602	62	25060	1.900 ug/l	100
5) Bromomethane	1.856	94	15196	1.825 ug/l	100
6) Chloroethane	1.930	64	17861	1.674 ug/l	97
7) Trichlorofluoromethane	2.133	101	35181	1.864 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	19405	1.921 ug/l	98
9) 1,1-Dichloroethene	2.576	96	19195	1.813 ug/l	96
10) Iodomethane	2.718	142	15647	1.891 ug/l	98
11) Allyl Chloride	2.920	41	22400	1.829 ug/l	99
12) Acrylonitrile	3.335	53	7990m	3.816 ug/l	
13) Acetone	2.647	43	25432	8.703 ug/l	99
14) Carbon Disulfide	2.788	76	62582	1.830 ug/l	99
15) Methylene Chloride	3.039	84	23756	1.858 ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	22530	1.832 ug/l	93
17) 1,1-Dichloroethane	3.862	63	40768	1.859 ug/l	99
18) 2-Butanone	4.721	43	31897	9.412 ug/l	98
19) Cyclohexane	5.377	56	31537m	1.773 ug/l	
20) Methylcyclohexane	6.753	83	35820	1.795 ug/l	99
21) 2,2-Dichloropropane	4.650	77	31900	1.809 ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	25010	1.864 ug/l	99
23) Diethyl Ether	2.370	59	14882	1.886 ug/l	98
24) tert-Butyl Alcohol	3.248	59	13398m	16.653 ug/l	
25) Methyl tert-Butyl Ether	3.358	73	47756	1.840 ug/l	95
26) Bromochloromethane	4.965	128	10681	1.807 ug/l	96
27) Chloroform	5.078	83	43328	1.863 ug/l	96
28) 1,1,1-Trichloroethane	5.309	97	35600	1.852 ug/l	98
29) 1,1-Dichloropropene	5.521	75	31869	1.846 ug/l	98
30) Carbon Tetrachloride	5.515	117	30257	1.837 ug/l	96
31) Isopropyl Ether	3.981	45	53267	1.825 ug/l	97
32) Ethyl-t-butyl ether	4.489	59	49698	1.782 ug/l	99
33) Tert-Amyl methyl ether	5.930	73	46289	1.836 ug/l	99
34) Propionitrile	4.808	54	7909m	9.987 ug/l	
35) Benzene	5.766	78	95849	1.863 ug/l	100
36) 1,2-Dichloroethane	5.788	62	26253	1.836 ug/l	100
37) Trichloroethene	6.537	130	24986	1.834 ug/l	99
38) 1,2-Dichloropropane	6.782	63	23603	1.827 ug/l	100
39) Methacrylonitrile	4.988	41	5247	1.851 ug/l #	78
40) Methyl acrylate	4.866	55	10708m	2.087 ug/l	
41) Tetrahydrofuran	5.065	42	5650	3.529 ug/l	99
42) 1-Chlorobutane	5.451	56	41005	1.903 ug/l	97
43) Dibromomethane	6.914	93	12572	1.837 ug/l	97
44) Bromodichloromethane	7.097	83	28400	1.838 ug/l	98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	56791	8.922 ug/l	98
46) t-1,4-Dichloro-2-butene	10.814	75	14070m	3.998 ug/l	
47) Methyl methacrylate	6.959	69	19777	3.641 ug/l	99
48) Ethyl methacrylate	8.328	69	19350	1.753 ug/l	98
49) Toluene	7.962	92	56513	1.798 ug/l	97
50) t-1,3-Dichloropropene	8.206	75	24047	1.739 ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	31382	1.769 ug/l	95
52) 1,1,2-Trichloroethane	8.393	97	17235	1.837 ug/l	95
53) 1,3-Dichloropropane	8.566	76	30032	1.876 ug/l	99
54) 2-Hexanone	8.682	43	47087	8.682 ug/l	99
55) Dibromochloromethane	8.801	129	17637	1.737 ug/l	99
56) 1,2-Dibromoethane	8.917	107	16461	1.867 ug/l	96
58) Tetrachloroethene	8.544	164	23118	1.886 ug/l	98
59) Chlorobenzene	9.441	112	63733	1.836 ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.525	131	20628	1.800 ug/l	98
61) Pentachloroethane	11.418	117	14972	1.737 ug/l	97
62) Hexachloroethane	12.463	117	13200	1.729 ug/l	91
63) Ethyl Benzene	9.563	91	104015	1.780 ug/l	99
64) m/p-Xylenes	9.685	106	81242	3.609 ug/l	98
65) o-Xylene	10.094	106	38253	1.743 ug/l	96
66) Styrene	10.110	104	58200	1.695 ug/l	99
67) Bromoform	10.280	173	9013	1.711 ug/l	98
69) Isopropylbenzene	10.476	105	90437	1.762 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	21260	1.841 ug/l	97
71) 1,2,3-Trichloropropane	10.814	75	17026m	1.809 ug/l	
72) Bromobenzene	10.775	156	24207	1.778 ug/l	97
73) n-propylbenzene	10.897	120	26717	1.760 ug/l	96
74) 2-Chlorotoluene	10.978	126	24103	1.780 ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	81811	1.760 ug/l	100
76) 4-Chlorotoluene	11.090	126	25052	1.799 ug/l	98
77) tert-Butylbenzene	11.412	119	80664	1.778 ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	80780	1.688 ug/l	99
79) sec-Butylbenzene	11.634	105	107322	1.784 ug/l	99
80) Nitrobenzene	13.222	77	1195m	9.502 ug/l	
81) p-Isopropyltoluene	11.785	119	84670	1.699 ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	46782	1.777 ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	46524	1.766 ug/l	97
84) n-Butylbenzene	12.200	91	78185	1.702 ug/l	98
85) 1,2-Dichlorobenzene	12.203	146	44588	1.795 ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	2475	1.708 ug/l	94
87) 1,2,4-Trichlorobenzene	13.833	180	23780	1.769 ug/l	98
88) Hexachlorobutadiene	14.013	225	15118	1.822 ug/l	99
89) Naphthalene	14.084	128	34857	1.721 ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	21000	1.733 ug/l	98

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

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