Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090624\
Data File : VU060639.D
Acq On : 06 Sep 2024 12:17
Operator : MD/SY
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Quant Time: Sep 07 00:34:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U090624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 07 00:33:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	36832	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	12402	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery =	99.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	12562	0.927	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	14585	1.006	ug/l	96
3) Chloromethane	1.518	50	14353	0.887	ug/l	97
4) Vinyl Chloride	1.602	62	13609	0.846	ug/l	99
5) Bromomethane	1.856	94	9005	0.906	ug/l	99
6) Chloroethane	1.933	64	8123	0.843	ug/l	99
7) Trichlorofluoromethane	2.136	101	19987	1.002	ug/l	89
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	8600	0.821	ug/l	99
9) 1,1-Dichloroethene	2.576	96	9145	0.840	ug/l	93
10) Iodomethane	2.718	142	10375	0.654	ug/l	98
11) Allyl Chloride	2.917	41	10945	0.740	ug/l	99
12) Acrylonitrile	3.348	53	3574m	1.269	ug/l	
13) Acetone	2.663	43	15770m	4.282	ug/l	
14) Carbon Disulfide	2.788	76	29810	0.813	ug/l	98
15) Methylene Chloride	3.042	84	13812	1.020	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	9381	0.807	ug/l	99
17) 1,1-Dichloroethane	3.865	63	17280	0.774	ug/l	99
18) 2-Butanone	4.740	43	16766m	4.038	ug/l	
19) Cyclohexane	5.383	56	12279m	0.641	ug/l	
20) Methylcyclohexane	6.756	83	12667	0.814	ug/l	92
21) 2,2-Dichloropropane	4.656	77	13955	0.792	ug/l	100
22) cis-1,2-Dichloroethene	4.666	96	9854	0.791	ug/l	100
23) Diethyl Ether	2.374	59	7137	0.806	ug/l	99
24) tert-Butyl Alcohol	3.348	59	5782m	5.382	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	18226	0.684	ug/l	95
26) Bromochloromethane	4.968	128	4478	0.840	ug/l	96
27) Chloroform	5.081	83	18913	0.859	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	16153	0.871	ug/l	99
29) 1,1-Dichloropropene	5.525	75	11555	0.775	ug/l	98
30) Carbon Tetrachloride	5.518	117	14279	0.931	ug/l	97
31) Isopropyl Ether	3.984	45	20594	0.639	ug/l	91
32) Ethyl-t-butyl ether	4.496	59	20259m	0.647	ug/l	
33) Tert-Amyl methyl ether	5.933	73	17944	0.783	ug/l	99
34) Propionitrile	4.827	54	3498m	3.088	ug/l	
35) Benzene	5.769	78	36690	0.812	ug/l	99
36) 1,2-Dichloroethane	5.795	62	11285	0.884	ug/l #	92
37) Trichloroethene	6.541	130	10650	0.944	ug/l	99
38) 1,2-Dichloropropane	6.788	63	9945	0.815	ug/l	99
39) Methacrylonitrile	4.997	41	2006m	0.495	ug/l	
40) Methyl acrylate	4.881	55	4417m	0.614	ug/l	
41) Tetrahydrofuran	5.087	42	2516m	1.131	ug/l	
42) 1-Chlorobutane	5.454	56	15776	0.774	ug/l	97
43) Dibromomethane	6.920	93	4837	0.783	ug/l	96
44) Bromodichloromethane	7.100	83	11994	0.803	ug/l	94

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ClientSampleId :
VSTDICC001

Quant Time: Sep 07 00:34:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U090624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sat Sep 07 00:33:26 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	22262	3.789	ug/l		95
46) t-1,4-Dichloro-2-butene	10.823	75	5719m	1.756	ug/l		
47) Methyl methacrylate	6.965	69	7338	1.466	ug/l		95
48) Ethyl methacrylate	8.331	69	5864	0.682	ug/l		93
49) Toluene	7.965	92	19202	0.766	ug/l		93
50) t-1,3-Dichloropropene	8.209	75	9684	0.779	ug/l	#	88
51) cis-1,3-Dichloropropene	7.605	75	12489	0.837	ug/l		96
52) 1,1,2-Trichloroethane	8.393	97	6879	0.765	ug/l		93
53) 1,3-Dichloropropane	8.573	76	11422	0.789	ug/l		98
54) 2-Hexanone	8.685	43	19265m	4.062	ug/l		
55) Dibromochloromethane	8.804	129	8321	0.828	ug/l		97
56) 1,2-Dibromoethane	8.920	107	6332	0.786	ug/l		89
58) Tetrachloroethene	8.547	164	9234	0.904	ug/l		91
59) Chlorobenzene	9.444	112	22601	0.825	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.528	131	8443	0.786	ug/l		94
61) Pentachloroethane	11.421	117	6752	0.750	ug/l		95
62) Hexachloroethane	12.466	117	6527	0.743	ug/l		100
63) Ethyl Benzene	9.566	91	33247	0.775	ug/l		97
64) m/p-Xylenes	9.688	106	25939	1.526	ug/l		98
65) o-Xylene	10.093	106	13215	0.807	ug/l		95
66) Styrene	10.113	104	19342	0.716	ug/l		99
67) Bromoform	10.283	173	4581	0.779	ug/l	#	97
69) Isopropylbenzene	10.479	105	32305	0.771	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.775	83	8267	0.697	ug/l		96
71) 1,2,3-Trichloropropane	10.820	75	8576m	0.986	ug/l		
72) Bromobenzene	10.778	156	9066	0.811	ug/l		96
73) n-propylbenzene	10.901	120	9037	0.776	ug/l		91
74) 2-Chlorotoluene	10.981	126	8772	0.807	ug/l		94
75) 1,3,5-Trimethylbenzene	11.081	105	26720	0.731	ug/l		100
76) 4-Chlorotoluene	11.093	126	8125	0.719	ug/l		94
77) tert-Butylbenzene	11.415	119	28518	0.800	ug/l		99
78) 1,2,4-Trimethylbenzene	11.463	105	26755	0.717	ug/l		100
79) sec-Butylbenzene	11.637	105	35252	0.746	ug/l		99
80) Nitrobenzene	13.238	77	598m	1.189	ug/l		
81) p-Isopropyltoluene	11.788	119	28602	0.745	ug/l		99
82) 1,3-Dichlorobenzene	11.743	146	18651	0.804	ug/l		98
83) 1,4-Dichlorobenzene	11.833	146	18502	0.805	ug/l		97
84) n-Butylbenzene	12.203	91	27276	0.735	ug/l		95
85) 1,2-Dichlorobenzene	12.206	146	17109	0.764	ug/l		96
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1116	0.643	ug/l	#	80
87) 1,2,4-Trichlorobenzene	13.839	180	8015	0.624	ug/l		95
88) Hexachlorobutadiene	14.013	225	7525	0.898	ug/l		98
89) Naphthalene	14.090	128	10676	0.484	ug/l	#	97
90) 1,2,3-Trichlorobenzene	14.328	180	6499	0.528	ug/l		95

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

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