Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090624\
Data File : VU060645.D
Acq On : 06 Sep 2024 16:45
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Quant Time: Sep 07 00:38:35 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	36489	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10897	0.875	ug/l	0.00
Spiked Amount 1.000			Recovery =	87.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	11927	0.888	ug/l	0.00
Spiked Amount 1.000			Recovery =	89.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	7478	0.521	ug/l	91
3) Chloromethane	1.518	50	17517	1.093	ug/l	93
4) Vinyl Chloride	1.599	62	7466	0.468	ug/l	100
5) Bromomethane	1.856	94	5130	0.521	ug/l	92
6) Chloroethane	1.930	64	4526	0.474	ug/l	100
7) Trichlorofluoromethane	2.132	101	10395	0.526	ug/l	90
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4570	0.440	ug/l	92
9) 1,1-Dichloroethene	2.576	96	4698	0.436	ug/l	93
11) Allyl Chloride	2.917	41	6243	0.426	ug/l	96
12) Acrylonitrile	3.361	53	1461m	0.524	ug/l	
13) Acetone	2.657	43	6163m	1.689	ug/l	
14) Carbon Disulfide	2.785	76	16504	0.454	ug/l	98
15) Methylene Chloride	3.039	84	6329	0.472	ug/l	94
16) trans-1,2-Dichloroethene	3.354	96	4836	0.420	ug/l	99
17) 1,1-Dichloroethane	3.862	63	9304	0.420	ug/l	99
18) 2-Butanone	4.772	43	5015m	1.219	ug/l	
19) Cyclohexane	5.377	56	6683m	0.352	ug/l	
20) Methylcyclohexane	6.756	83	6167	0.400	ug/l	90
21) 2,2-Dichloropropane	4.656	77	8034	0.460	ug/l #	82
22) cis-1,2-Dichloroethene	4.663	96	5013	0.406	ug/l	93
23) Diethyl Ether	2.374	59	3968	0.452	ug/l	94
25) Methyl tert-Butyl Ether	3.354	73	9769	0.370	ug/l	95
26) Bromochloromethane	4.972	128	2273	0.430	ug/l	93
27) Chloroform	5.081	83	10026	0.459	ug/l	97
28) 1,1,1-Trichloroethane	5.309	97	8731	0.475	ug/l	95
29) 1,1-Dichloropropene	5.525	75	6317	0.428	ug/l	93
30) Carbon Tetrachloride	5.515	117	7605	0.500	ug/l	99
31) Isopropyl Ether	3.988	45	11574	0.362	ug/l	98
32) Ethyl-t-butyl ether	4.499	59	10671	0.344	ug/l	98
33) Tert-Amyl methyl ether	5.936	73	8969	0.395	ug/l	95
34) Propionitrile	4.843	54	1514m	1.349	ug/l	
35) Benzene	5.769	78	19974	0.446	ug/l	97
36) 1,2-Dichloroethane	5.795	62	6085	0.481	ug/l #	90
37) Trichloroethene	6.537	130	5273	0.472	ug/l	89
38) 1,2-Dichloropropane	6.788	63	5315	0.440	ug/l	93
39) Methacrylonitrile	5.007	41	940m	0.234	ug/l	
40) Methyl acrylate	4.894	55	1606m	0.225	ug/l	
41) Tetrahydrofuran	5.084	42	3643m	1.654	ug/l	
42) 1-Chlorobutane	5.454	56	8407	0.416	ug/l	92
43) Dibromomethane	6.920	93	2787	0.456	ug/l	96
44) Bromodichloromethane	7.100	83	6872	0.465	ug/l #	91
45) 4-Methyl-2-Pentanone	7.795	43	11358m	1.951	ug/l	
46) t-1,4-Dichloro-2-butene	10.843	75	2326m	0.721	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl methacrylate	6.968	69	3481	0.702	ug/l		95
48) Ethyl methacrylate	8.335	69	3151	0.370	ug/l		99
49) Toluene	7.965	92	10253	0.413	ug/l		99
50) t-1,3-Dichloropropene	8.209	75	5197m	0.422	ug/l		
51) cis-1,3-Dichloropropene	7.608	75	6685	0.452	ug/l	#	89
52) 1,1,2-Trichloroethane	8.396	97	3683	0.414	ug/l		92
53) 1,3-Dichloropropane	8.573	76	5799	0.404	ug/l		97
54) 2-Hexanone	8.695	43	6860m	1.460	ug/l		
55) Dibromochloromethane	8.804	129	3788	0.380	ug/l		90
56) 1,2-Dibromoethane	8.923	107	3065	0.384	ug/l		100
58) Tetrachloroethene	8.550	164	5181	0.512	ug/l		90
59) Chlorobenzene	9.444	112	11452	0.422	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.524	131	4811	0.452	ug/l		93
61) Pentachloroethane	11.421	117	3579	0.401	ug/l		90
62) Hexachloroethane	12.466	117	3156	0.363	ug/l		89
63) Ethyl Benzene	9.566	91	17126	0.403	ug/l		95
64) m/p-Xylenes	9.688	106	12667	0.752	ug/l		99
65) o-Xylene	10.097	106	6306	0.389	ug/l		100
66) Styrene	10.113	104	9363	0.350	ug/l		99
67) Bromoform	10.286	173	2097	0.360	ug/l	#	98
69) Isopropylbenzene	10.479	105	16471	0.397	ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.775	83	4240	0.361	ug/l	#	94
71) 1,2,3-Trichloropropane	10.817	75	2971	0.345	ug/l	#	95
72) Bromobenzene	10.778	156	4857	0.439	ug/l		92
73) n-propylbenzene	10.901	120	4264	0.370	ug/l		96
74) 2-Chlorotoluene	10.981	126	4166	0.387	ug/l		94
75) 1,3,5-Trimethylbenzene	11.084	105	13158	0.364	ug/l		95
76) 4-Chlorotoluene	11.097	126	4404	0.394	ug/l		84
77) tert-Butylbenzene	11.415	119	14491	0.410	ug/l		97
78) 1,2,4-Trimethylbenzene	11.463	105	13176	0.356	ug/l		98
79) sec-Butylbenzene	11.634	105	17204	0.368	ug/l		100
80) Nitrobenzene	13.248	77	254	0.510	ug/l	#	39
81) p-Isopropyltoluene	11.788	119	12951	0.340	ug/l		96
82) 1,3-Dichlorobenzene	11.746	146	9191	0.400	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	9569	0.420	ug/l		93
84) n-Butylbenzene	12.206	91	13190	0.359	ug/l		98
85) 1,2-Dichlorobenzene	12.209	146	8707	0.392	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	13.000	75	597	0.347	ug/l	#	86
87) 1,2,4-Trichlorobenzene	13.843	180	3999	0.314	ug/l		90
88) Hexachlorobutadiene	14.013	225	3718	0.448	ug/l		97
90) 1,2,3-Trichlorobenzene	14.328	180	3379	0.277	ug/l		94

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

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