Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090624\
Data File : VU060638.D
Acq On : 06 Sep 2024 11:52
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Quant Time: Sep 07 00:34:06 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	6.113	96	35758	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	13107	1.073	ug/l		0.00
Spiked Amount 1.000			Recovery = 107.000%				
68) 1,2-Dichlorobenzene-d4	12.190	152	11966	0.909	ug/l		0.00
Spiked Amount 1.000			Recovery = 91.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	6988	0.497	ug/l		98
3) Chloromethane	1.518	50	6935	0.441	ug/l	#	86
4) Vinyl Chloride	1.602	62	6810	0.436	ug/l		94
5) Bromomethane	1.856	94	4376	0.454	ug/l		97
6) Chloroethane	1.933	64	4086	0.437	ug/l	#	86
7) Trichlorofluoromethane	2.133	101	9844	0.508	ug/l		93
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	4358	0.429	ug/l		96
9) 1,1-Dichloroethene	2.576	96	4579	0.433	ug/l		93
11) Allyl Chloride	2.920	41	5386	0.375	ug/l		98
12) Acrylonitrile	3.374	53	1424m	0.521	ug/l		
13) Acetone	2.663	43	8370m	2.341	ug/l		
14) Carbon Disulfide	2.792	76	14623	0.411	ug/l		97
15) Methylene Chloride	3.039	84	8455	0.643	ug/l		93
16) trans-1,2-Dichloroethene	3.354	96	4250	0.377	ug/l		89
17) 1,1-Dichloroethane	3.869	63	8649	0.399	ug/l		97
18) 2-Butanone	4.753	43	7351m	1.823	ug/l		
19) Cyclohexane	5.383	56	5445m	0.293	ug/l		
20) Methylcyclohexane	6.756	83	5304	0.351	ug/l		89
21) 2,2-Dichloropropane	4.660	77	6503	0.380	ug/l	#	81
22) cis-1,2-Dichloroethene	4.669	96	4047	0.335	ug/l		86
23) Diethyl Ether	2.374	59	3344	0.389	ug/l	#	88
25) Methyl tert-Butyl Ether	3.358	73	8825	0.341	ug/l		97
26) Bromochloromethane	4.968	128	2079	0.402	ug/l		95
27) Chloroform	5.084	83	9353	0.437	ug/l		85
28) 1,1,1-Trichloroethane	5.306	97	7889	0.438	ug/l		97
29) 1,1-Dichloropropene	5.525	75	4934	0.341	ug/l		96
30) Carbon Tetrachloride	5.518	117	7383	0.496	ug/l		96
31) Isopropyl Ether	3.988	45	9410	0.301	ug/l		86
32) Ethyl-t-butyl ether	4.489	59	9607	0.316	ug/l		99
33) Tert-Amyl methyl ether	5.936	73	7682m	0.345	ug/l		
34) Propionitrile	4.856	54	921m	0.838	ug/l		
35) Benzene	5.772	78	16754	0.382	ug/l		95
36) 1,2-Dichloroethane	5.795	62	5422	0.437	ug/l	#	84
37) Trichloroethene	6.541	130	4610	0.421	ug/l		94
38) 1,2-Dichloropropane	6.785	63	4615	0.390	ug/l		94
40) Methyl acrylate	4.911	55	1520m	0.217	ug/l		
41) Tetrahydrofuran	5.087	42	753m	0.349	ug/l		
42) 1-Chlorobutane	5.457	56	7361	0.372	ug/l		95
43) Dibromomethane	6.917	93	2538	0.423	ug/l	#	82
44) Bromodichloromethane	7.100	83	6276	0.433	ug/l		97
45) 4-Methyl-2-Pentanone	7.795	43	10685m	1.873	ug/l		
46) t-1,4-Dichloro-2-butene	10.820	75	2654m	0.839	ug/l		
47) Methyl methacrylate	6.972	69	2994	0.616	ug/l		91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) Ethyl methacrylate	8.335	69	2500	0.299	ug/l		98
49) Toluene	7.968	92	9007	0.370	ug/l		98
50) t-1,3-Dichloropropene	8.210	75	4613	0.382	ug/l		90
51) cis-1,3-Dichloropropene	7.608	75	6004	0.414	ug/l		98
52) 1,1,2-Trichloroethane	8.396	97	3214	0.368	ug/l	#	82
53) 1,3-Dichloropropane	8.573	76	5171	0.368	ug/l		92
54) 2-Hexanone	8.692	43	8951m	1.944	ug/l		
55) Dibromochloromethane	8.804	129	3810	0.390	ug/l		98
56) 1,2-Dibromoethane	8.920	107	2612	0.334	ug/l		91
58) Tetrachloroethene	8.554	164	4263	0.430	ug/l		91
59) Chlorobenzene	9.447	112	10565	0.397	ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.528	131	4498	0.431	ug/l		98
61) Pentachloroethane	11.422	117	3685	0.421	ug/l		83
62) Hexachloroethane	12.470	117	3233	0.379	ug/l		95
63) Ethyl Benzene	9.566	91	15535	0.373	ug/l		98
64) m/p-Xylenes	9.692	106	11700	0.709	ug/l		94
65) o-Xylene	10.097	106	5129	0.323	ug/l		80
66) Styrene	10.113	104	8484	0.324	ug/l		97
67) Bromoform	10.290	173	2012	0.353	ug/l	#	85
69) Isopropylbenzene	10.480	105	13596	0.334	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.775	83	3780	0.328	ug/l	#	94
71) 1,2,3-Trichloropropane	10.820	75	3535m	0.419	ug/l		
72) Bromobenzene	10.782	156	3970	0.366	ug/l		91
73) n-propylbenzene	10.901	120	3859	0.341	ug/l		100
74) 2-Chlorotoluene	10.984	126	3507	0.332	ug/l		96
75) 1,3,5-Trimethylbenzene	11.081	105	11417	0.322	ug/l		97
76) 4-Chlorotoluene	11.094	126	3837	0.350	ug/l		84
77) tert-Butylbenzene	11.415	119	12010	0.347	ug/l		99
78) 1,2,4-Trimethylbenzene	11.467	105	11344	0.313	ug/l		99
79) sec-Butylbenzene	11.637	105	15266	0.333	ug/l		98
81) p-Isopropyltoluene	11.788	119	12031	0.323	ug/l		96
82) 1,3-Dichlorobenzene	11.743	146	7603	0.337	ug/l		99
83) 1,4-Dichlorobenzene	11.836	146	7659	0.343	ug/l		96
84) n-Butylbenzene	12.206	91	10091	0.280	ug/l		97
85) 1,2-Dichlorobenzene	12.206	146	7446	0.342	ug/l		95
86) 1,2-Dibromo-3-Chloropr...	13.000	75	476	0.282	ug/l	#	64
87) 1,2,4-Trichlorobenzene	13.846	180	3298	0.265	ug/l		90
88) Hexachlorobutadiene	14.013	225	3308	0.407	ug/l		96
90) 1,2,3-Trichlorobenzene	14.335	180	2861	0.240	ug/l	#	96

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

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