Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020224\
Data File : VU057799.D
Acq On : 02 Feb 2024 18:06
Operator : MD/SY
Sample : P1187-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT1-2024

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

Quant Time: Feb 05 02:36:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Feb 05 02:31:17 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	40742	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	13577	0.880	ug/l	0.00
Spiked Amount 1.000			Recovery =	88.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	13230	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	9202	0.678	ug/l	98
3) Chloromethane	1.518	50	9309	0.715	ug/l	98
4) Vinyl Chloride	1.602	62	9268	0.698	ug/l	93
5) Bromomethane	1.853	94	5956	0.756	ug/l	82
6) Chloroethane	1.930	64	5794	0.691	ug/l	94
7) Trichlorofluoromethane	2.133	101	13932	0.685	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	6970	0.667	ug/l	90
9) 1,1-Dichloroethene	2.576	96	7283	0.719	ug/l	93
10) Iodomethane	2.718	142	8172	0.680	ug/l	100
11) Allyl Chloride	2.917	41	9907	0.721	ug/l	90
12) Acrylonitrile	3.345	53	2103m	1.217	ug/l	
13) Acetone	2.647	43	10343	3.307	ug/l	94
14) Carbon Disulfide	2.788	76	22232	0.686	ug/l	99
15) Methylene Chloride	3.039	84	9708	0.803	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	7624	0.690	ug/l	95
17) 1,1-Dichloroethane	3.862	63	15169	0.727	ug/l	99
18) 2-Butanone	4.740	43	7337	2.177	ug/l	95
19) Cyclohexane	5.380	56	11575	0.708	ug/l	90
20) Methylcyclohexane	6.756	83	12719	0.644	ug/l	96
21) 2,2-Dichloropropane	4.657	77	12262	0.662	ug/l	96
22) cis-1,2-Dichloroethene	4.660	96	8181	0.676	ug/l	96
23) Diethyl Ether	2.374	59	5036	0.689	ug/l	91
24) tert-Butyl Alcohol	3.277	59	6462m	7.779	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	16797	0.707	ug/l	93
26) Bromochloromethane	4.975	128	3307	0.680	ug/l	93
27) Chloroform	5.081	83	15890	0.732	ug/l	100
28) 1,1,1-Trichloroethane	5.309	97	14011	0.715	ug/l	96
29) 1,1-Dichloropropene	5.525	75	11096	0.700	ug/l	95
30) Carbon Tetrachloride	5.518	117	11089	0.657	ug/l	95
31) Isopropyl Ether	3.985	45	22027	0.721	ug/l	98
32) Ethyl-t-butyl ether	4.496	59	20062	0.708	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	16865	0.706	ug/l	98
34) Propionitrile	4.817	54	2202m	3.152	ug/l	
35) Benzene	5.769	78	32032	0.702	ug/l	99
36) 1,2-Dichloroethane	5.795	62	9027	0.679	ug/l	97
37) Trichloroethene	6.538	130	8149	0.672	ug/l	98
38) 1,2-Dichloropropane	6.788	63	8233	0.696	ug/l	96
39) Methacrylonitrile	5.004	41	1664m	0.598	ug/l	
40) Methyl acrylate	4.872	55	2524	0.602	ug/l #	71
41) Tetrahydrofuran	5.075	42	2073	1.394	ug/l #	80
42) 1-Chlorobutane	5.454	56	14549	0.696	ug/l	98
43) Dibromomethane	6.920	93	3600	0.662	ug/l #	85
44) Bromodichloromethane	7.103	83	10034	0.659	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	17671	3.047	ug/l		96
46) t-1,4-Dichloro-2-butene	10.836	75	1825m	1.385	ug/l		
47) Methyl methacrylate	6.965	69	6406	1.333	ug/l		95
48) Ethyl methacrylate	8.335	69	5913	0.614	ug/l		100
49) Toluene	7.968	92	18764	0.673	ug/l		98
50) t-1,3-Dichloropropene	8.209	75	8116	0.617	ug/l		98
51) cis-1,3-Dichloropropene	7.605	75	11295	0.678	ug/l		93
52) 1,1,2-Trichloroethane	8.396	97	4983	0.665	ug/l		95
53) 1,3-Dichloropropane	8.573	76	9032	0.670	ug/l		99
54) 2-Hexanone	8.689	43	14597	2.734	ug/l		97
55) Dibromochloromethane	8.804	129	5864	0.632	ug/l		99
56) 1,2-Dibromoethane	8.920	107	4867	0.705	ug/l		94
58) Tetrachloroethene	8.550	164	7475	0.699	ug/l		98
59) Chlorobenzene	9.444	112	20932	0.679	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.528	131	6852	0.655	ug/l		98
61) Pentachloroethane	11.422	117	4619	0.607	ug/l		95
62) Hexachloroethane	12.470	117	4446	0.536	ug/l		96
63) Ethyl Benzene	9.566	91	35637	0.650	ug/l		99
64) m/p-Xylenes	9.692	106	25554	1.284	ug/l		94
65) o-Xylene	10.097	106	12560	0.637	ug/l		95
66) Styrene	10.113	104	17216	0.585	ug/l		95
67) Bromoform	10.290	173	2834	0.593	ug/l	#	94
69) Isopropylbenzene	10.479	105	32306	0.625	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.779	83	5700	0.607	ug/l	#	96
71) 1,2,3-Trichloropropane	10.820	75	4667m	0.601	ug/l		
72) Bromobenzene	10.779	156	7243	0.637	ug/l		81
73) n-propylbenzene	10.901	120	9503	0.732	ug/l		91
74) 2-Chlorotoluene	10.981	126	7680	0.638	ug/l		85
75) 1,3,5-Trimethylbenzene	11.084	105	27179	0.612	ug/l		99
76) 4-Chlorotoluene	11.097	126	7463	0.617	ug/l		87
77) tert-Butylbenzene	11.415	119	26900	0.646	ug/l		97
78) 1,2,4-Trimethylbenzene	11.467	105	27863	0.619	ug/l		100
79) sec-Butylbenzene	11.640	105	34674	0.651	ug/l		99
80) Nitrobenzene	13.232	77	434	2.356	ug/l	#	40
81) p-Isopropyltoluene	11.788	119	27700	0.617	ug/l		97
82) 1,3-Dichlorobenzene	11.743	146	14845	0.646	ug/l		96
83) 1,4-Dichlorobenzene	11.836	146	14543	0.648	ug/l		99
84) n-Butylbenzene	12.206	91	25565	0.596	ug/l		98
85) 1,2-Dichlorobenzene	12.209	146	13875	0.665	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	13.000	75	717	0.557	ug/l	#	81
87) 1,2,4-Trichlorobenzene	13.843	180	7064	0.567	ug/l		92
88) Hexachlorobutadiene	14.016	225	5154	0.645	ug/l		96
89) Naphthalene	14.090	128	11343	0.590	ug/l		98
90) 1,2,3-Trichlorobenzene	14.328	180	6259	0.604	ug/l		98

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

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