Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072920\
Data File : VU039702.D
Acq On : 29 Jul 2020 14:02
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
7/31/2020 3:42:29 PM

Quant Time: Jul 30 01:39:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 01:17:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.13	96	20764	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	7353	0.91	ug/l		0.00
Spiked Amount 1.000			Recovery = 91.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	7410	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	3483	0.491	ug/l		94
3) Chloromethane	1.53	50	4701	0.557	ug/l		97
4) Vinyl Chloride	1.61	62	4052	0.490	ug/l		100
5) Bromomethane	1.86	94	3133	0.611	ug/l		97
6) Chloroethane	1.94	64	3387	0.672	ug/l		89
7) Trichlorofluoromethane	2.15	101	5592	0.621	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	3172	0.574	ug/l		98
9) 1,1-Dichloroethene	2.59	96	2914	0.531	ug/l		96
10) Iodomethane	2.74	142	2293	0.628	ug/l		98
11) Allyl Chloride	2.94	41	6562	0.631	ug/l		95
12) Acrylonitrile	3.33	53	2037	1.306	ug/l		95
13) Acetone	2.64	43	5580	4.321	ug/l		98
14) Carbon Disulfide	2.81	76	10766	0.537	ug/l		96
15) Methylene Chloride	3.06	84	5381	0.706	ug/l		94
16) trans-1,2-Dichloroethene	3.37	96	3190	0.530	ug/l	#	87
17) 1,1-Dichloroethane	3.89	63	7264	0.618	ug/l		98
18) 2-Butanone	4.74	43	9301	4.668	ug/l		90
19) Cyclohexane	5.40	56	7494m	0.662	ug/l		
20) Methylcyclohexane	6.77	83	4819	0.450	ug/l		92
21) 2,2-Dichloropropane	4.68	77	6452	0.664	ug/l		92
22) cis-1,2-Dichloroethene	4.69	96	3497	0.548	ug/l		91
23) Diethyl Ether	2.39	59	3255	0.661	ug/l		93
24) tert-Butyl Alcohol	3.20	59	9629	17.161	ug/l	#	87
25) Methyl tert-Butyl Ether	3.38	73	9129	0.588	ug/l		91
26) Bromochloromethane	5.00	128	1545	0.600	ug/l		92
27) Chloroform	5.11	83	7157	0.651	ug/l		99
28) 1,1,1-Trichloroethane	5.33	97	5522	0.613	ug/l		96
29) 1,1-Dichloropropene	5.54	75	5360	0.596	ug/l		93
30) Carbon Tetrachloride	5.53	117	4518	0.601	ug/l		98
31) Isopropyl Ether	4.03	45	13793	0.700	ug/l		98
32) Ethyl-t-butyl ether	4.53	59	11196	0.637	ug/l		99
33) Tert-Amyl methyl ether	5.96	73	7832	0.533	ug/l		99
34) Propionitrile	4.80	54	2037	3.680	ug/l	#	97
35) Benzene	5.79	78	13216	0.536	ug/l		96
36) 1,2-Dichloroethane	5.82	62	4729	0.620	ug/l	#	94
37) Trichloroethene	6.55	130	2843	0.445	ug/l		80
38) 1,2-Dichloropropane	6.81	63	3397	0.504	ug/l		98
39) Methacrylonitrile	5.01	41	2540	0.972	ug/l		89
40) Methyl acrylate	4.87	55	2657	0.700	ug/l	#	94
41) Tetrahydrofuran	5.08	42	2445	1.861	ug/l	#	85
42) 1-Chlorobutane	5.47	56	8622	0.654	ug/l		90

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Quant Time: Jul 30 01:39:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jul 30 01:17:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.93	93	1827	0.572 ug/l		97
44) Bromodichloromethane	7.12	83	4212	0.530 ug/l		95
45) 4-Methyl-2-Pentanone	7.81	43	14042	3.121 ug/l		98
46) t-1,4-Dichloro-2-butene	10.83	75	1480m	1.076 ug/l		
47) Methyl methacrylate	6.98	69	3198	0.988 ug/l		87
48) Ethyl methacrylate	8.35	69	3006	0.504 ug/l		96
49) Toluene	7.98	92	7229	0.464 ug/l		98
50) t-1,3-Dichloropropene	8.22	75	3307	0.413 ug/l		99
51) cis-1,3-Dichloropropene	7.62	75	4167	0.438 ug/l		94
52) 1,1,2-Trichloroethane	8.41	97	2454	0.549 ug/l		92
53) 1,3-Dichloropropane	8.58	76	4883	0.581 ug/l		97
54) 2-Hexanone	8.70	43	10008	3.137 ug/l		95
55) Dibromochloromethane	8.82	129	2360	0.477 ug/l		94
56) 1,2-Dibromoethane	8.93	107	2331	0.549 ug/l		98
58) Tetrachloroethene	8.56	164	2581	0.441 ug/l		93
59) Chlorobenzene	9.45	112	7814	0.474 ug/l		96
60) 1,1,1,2-Tetrachloroethane	9.54	131	2436	0.480 ug/l		95
61) Pentachloroethane	11.42	117	2183	0.556 ug/l		84
62) Hexachloroethane	12.47	117	1763	0.438 ug/l		94
63) Ethyl Benzene	9.57	91	12563	0.426 ug/l		99
64) m/p-Xylenes	9.70	106	9656	0.847 ug/l		97
65) o-Xylene	10.10	106	4385	0.397 ug/l		91
66) Styrene	10.12	104	7368	0.402 ug/l		97
67) Bromoform	10.29	173	1078	0.415 ug/l	#	86
69) Isopropylbenzene	10.48	105	12842	0.444 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.78	83	3260	0.555 ug/l	#	96
71) 1,2,3-Trichloropropane	10.83	75	2640m	0.596 ug/l		
72) Bromobenzene	10.79	156	2950	0.459 ug/l		95
73) n-propylbenzene	10.91	120	3450	0.434 ug/l		96
74) 2-Chlorotoluene	10.98	126	3140	0.470 ug/l		98
75) 1,3,5-Trimethylbenzene	11.09	105	9726	0.401 ug/l		96
76) 4-Chlorotoluene	11.10	126	2959	0.426 ug/l		85
77) tert-Butylbenzene	11.42	119	10428	0.453 ug/l		98
78) 1,2,4-Trimethylbenzene	11.47	105	10283	0.412 ug/l		100
79) sec-Butylbenzene	11.64	105	14032	0.426 ug/l		97
80) Nitrobenzene	13.21	77	313	1.962 ug/l	#	44
81) p-Isopropyltoluene	11.79	119	10904	0.410 ug/l		98
82) 1,3-Dichlorobenzene	11.74	146	6913	0.515 ug/l		96
83) 1,4-Dichlorobenzene	11.83	146	6818	0.502 ug/l		98
84) n-Butylbenzene	12.20	91	12432	0.465 ug/l		97
85) 1,2-Dichlorobenzene	12.21	146	6494	0.516 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	466	0.488 ug/l		93
87) 1,2,4-Trichlorobenzene	13.83	180	4048	0.449 ug/l		94
88) Hexachlorobutadiene	14.01	225	1883	0.471 ug/l		95
89) Naphthalene	14.08	128	8734	0.492 ug/l		97
90) 1,2,3-Trichlorobenzene	14.32	180	3788	0.469 ug/l		97

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

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