Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU073020\
Data File : VU039725.D
Acq On : 30 Jul 2020 17:29
Operator : SY/MD
Sample : VU0730WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 03 13:35:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 31 07:12:27 2020
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VU0730WBS01

Manual Integrations APPROVED

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8/12/2020 6:35:17 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	20130	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.64	95	7343	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.00%			
68) 1,2-Dichlorobenzene-d4	12.19	152	7131	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.39	85	14361	2.053	ug/l	98
3) Chloromethane	1.53	50	18605	2.141	ug/l	96
4) Vinyl Chloride	1.61	62	16646	2.079	ug/l	89
5) Bromomethane	1.87	94	10139	1.851	ug/l	95
6) Chloroethane	1.94	64	12094	2.177	ug/l	96
7) Trichlorofluoromethane	2.15	101	23529	2.221	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	12970	2.134	ug/l	96
9) 1,1-Dichloroethene	2.59	96	11005	1.968	ug/l	99
10) Iodomethane	2.74	142	14104	2.500	ug/l	97
11) Allyl Chloride	2.93	41	24970	2.070	ug/l	98
12) Acrylonitrile	3.35	53	9392	4.784	ug/l	91
13) Acetone	2.66	43	22808	12.347	ug/l	95
14) Carbon Disulfide	2.80	76	40625	1.981	ug/l	98
15) Methylene Chloride	3.06	84	23326	2.992	ug/l	96
16) trans-1,2-Dichloroethene	3.37	96	13297	2.091	ug/l	99
17) 1,1-Dichloroethane	3.89	63	28767	2.060	ug/l	99
18) 2-Butanone	4.76	43	32757	10.545	ug/l	99
19) Cyclohexane	5.40	56	27884m	2.063	ug/l	
20) Methylcyclohexane	6.77	83	17364	1.734	ug/l	94
21) 2,2-Dichloropropane	4.68	77	22349	1.962	ug/l	100
22) cis-1,2-Dichloroethene	4.68	96	13766	2.008	ug/l	97
23) Diethyl Ether	2.39	59	12720	2.224	ug/l	96
24) tert-Butyl Alcohol	3.31	59	15418m	15.614	ug/l	
25) Methyl tert-Butyl Ether	3.39	73	36703	2.011	ug/l	98
26) Bromochloromethane	4.99	128	6347	2.263	ug/l	93
27) Chloroform	5.11	83	27143	2.077	ug/l	97
28) 1,1,1-Trichloroethane	5.33	97	20872	1.974	ug/l	98
29) 1,1-Dichloropropene	5.54	75	20752	2.038	ug/l	99
30) Carbon Tetrachloride	5.53	117	17096	1.977	ug/l	97
31) Isopropyl Ether	4.02	45	51562	2.025	ug/l	98
32) Ethyl-t-butyl ether	4.53	59	43996	2.030	ug/l	99
33) Tert-Amyl methyl ether	5.97	73	28960	1.853	ug/l	99
34) Propionitrile	4.85	54	9461	12.347	ug/l #	74
35) Benzene	5.79	78	48251	1.916	ug/l	99
36) 1,2-Dichloroethane	5.81	62	18564	1.966	ug/l	100
37) Trichloroethene	6.55	130	10485	1.819	ug/l	89
38) 1,2-Dichloropropane	6.81	63	13893	2.001	ug/l	98
39) Methacrylonitrile	5.01	41	8216	2.034	ug/l	98
40) Methyl acrylate	4.87	55	12563	2.412	ug/l #	93
41) Tetrahydrofuran	5.10	42	9092	4.475	ug/l	93
42) 1-Chlorobutane	5.47	56	32953	2.062	ug/l	98

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Instrument : MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.93	93	7496	2.007 ug/l		96
44) Bromodichloromethane	7.12	83	16049	1.874 ug/l		95
45) 4-Methyl-2-Pentanone	7.82	43	53290	9.417 ug/l		98
46) t-1,4-Dichloro-2-butene	10.83	75	5700m	3.387 ug/l		
47) Methyl methacrylate	6.98	69	13120	3.766 ug/l		96
48) Ethyl methacrylate	8.35	69	11513	1.795 ug/l		98
49) Toluene	7.98	92	27041	1.804 ug/l		97
50) t-1,3-Dichloropropene	8.22	75	13636	1.768 ug/l		99
51) cis-1,3-Dichloropropene	7.62	75	16298	1.798 ug/l		97
52) 1,1,2-Trichloroethane	8.41	97	9377	1.932 ug/l		93
53) 1,3-Dichloropropane	8.58	76	17850	1.915 ug/l		99
54) 2-Hexanone	8.70	43	39327	9.707 ug/l		97
55) Dibromochloromethane	8.82	129	9539	1.830 ug/l		94
56) 1,2-Dibromoethane	8.93	107	9339	1.997 ug/l		97
58) Tetrachloroethene	8.56	164	9969	1.976 ug/l		96
59) Chlorobenzene	9.45	112	29824	1.924 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.54	131	9725	1.860 ug/l		99
61) Pentachloroethane	11.43	117	8213	1.788 ug/l		97
62) Hexachloroethane	12.47	117	7153	1.699 ug/l		93
63) Ethyl Benzene	9.57	91	48136	1.733 ug/l		99
64) m/p-Xylenes	9.70	106	38588	3.555 ug/l		100
65) o-Xylene	10.10	106	18604	1.805 ug/l		100
66) Styrene	10.11	104	31095	1.761 ug/l		100
67) Bromoform	10.29	173	4739	1.782 ug/l		96
69) Isopropylbenzene	10.48	105	47305	1.718 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.78	83	13853	1.983 ug/l		100
71) 1,2,3-Trichloropropane	10.83	75	11350m	2.156 ug/l		
72) Bromobenzene	10.78	156	11112	1.777 ug/l		95
73) n-propylbenzene	10.91	120	13319	1.721 ug/l		100
74) 2-Chlorotoluene	10.99	126	11783	1.802 ug/l		97
75) 1,3,5-Trimethylbenzene	11.09	105	42022	1.766 ug/l		100
76) 4-Chlorotoluene	11.10	126	12521	1.849 ug/l		100
77) tert-Butylbenzene	11.42	119	38956	1.706 ug/l		98
78) 1,2,4-Trimethylbenzene	11.46	105	42192	1.729 ug/l		99
79) sec-Butylbenzene	11.64	105	57255	1.762 ug/l		99
80) Nitrobenzene	13.20	77	839	7.096 ug/l	#	71
81) p-Isopropyltoluene	11.79	119	44338	1.693 ug/l		97
82) 1,3-Dichlorobenzene	11.74	146	23866	1.774 ug/l		96
83) 1,4-Dichlorobenzene	11.83	146	25128	1.857 ug/l		99
84) n-Butylbenzene	12.20	91	46522	1.673 ug/l		98
85) 1,2-Dichlorobenzene	12.21	146	23625	1.822 ug/l		99
86) 1,2-Dibromo-3-Chloropropan	12.99	75	2083	1.770 ug/l		97
87) 1,2,4-Trichlorobenzene	13.83	180	13818	1.704 ug/l		95
88) Hexachlorobutadiene	14.01	225	6597	1.791 ug/l		95
89) Naphthalene	14.08	128	25888	1.492 ug/l		99
90) 1,2,3-Trichlorobenzene	14.32	180	12714	1.660 ug/l		97

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

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