Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102220\
Data File : VU040922.D
Acq On : 23 Oct 2020 00:51
Operator : SY/MD
Sample : VU1022WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1022WBS01

Manual Integrations APPROVED
MMDadoda
10/26/2020 4:15:40 PM

Quant Time: Oct 23 07:42:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 23 07:07:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.13	96	54697	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.63	95	19100	0.96	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.00%				
68) 1,2-Dichlorobenzene-d4	12.19	152	19859	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	50645	1.985	ug/l		96
3) Chloromethane	1.53	50	53797	2.023	ug/l		96
4) Vinyl Chloride	1.61	62	49683	2.007	ug/l		97
5) Bromomethane	1.87	94	29628	2.036	ug/l		99
6) Chloroethane	1.94	64	29911	1.977	ug/l		97
7) Trichlorofluoromethane	2.15	101	64215	2.053	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	36041	2.072	ug/l		99
9) 1,1-Dichloroethene	2.59	96	32984	2.178	ug/l		93
10) Iodomethane	2.74	142	30649	1.991	ug/l		98
11) Allyl Chloride	2.94	41	62712	2.011	ug/l		98
12) Acrylonitrile	3.34	53	22449	4.204	ug/l		99
13) Acetone	2.65	43	45384	10.154	ug/l		95
14) Carbon Disulfide	2.81	76	117959	2.072	ug/l		98
15) Methylene Chloride	3.06	84	41014	2.085	ug/l		97
16) trans-1,2-Dichloroethene	3.37	96	34824	2.031	ug/l		98
17) 1,1-Dichloroethane	3.89	63	74294	2.119	ug/l		99
18) 2-Butanone	4.74	43	78304	10.830	ug/l		100
19) Cyclohexane	5.40	56	66932m	2.028	ug/l		
20) Methylcyclohexane	6.77	83	39428	1.597	ug/l		88
21) 2,2-Dichloropropane	4.68	77	53936	1.822	ug/l		96
22) cis-1,2-Dichloroethene	4.69	96	37105	2.028	ug/l		98
23) Diethyl Ether	2.39	59	30135	2.015	ug/l		99
24) tert-Butyl Alcohol	3.24	59	38557	23.109	ug/l	#	93
25) Methyl tert-Butyl Ether	3.38	73	94630	2.014	ug/l		96
26) Bromochloromethane	4.99	128	17131	2.155	ug/l		94
27) Chloroform	5.11	83	69138	2.063	ug/l		100
28) 1,1,1-Trichloroethane	5.33	97	58607	2.028	ug/l		98
29) 1,1-Dichloropropene	5.54	75	47456	1.875	ug/l		97
30) Carbon Tetrachloride	5.53	117	53535	2.047	ug/l		99
31) Isopropyl Ether	4.02	45	106842	1.970	ug/l		97
32) Ethyl-t-butyl ether	4.53	59	97276	2.037	ug/l		96
33) Tert-Amyl methyl ether	5.96	73	64509	1.814	ug/l		98
34) Propionitrile	4.81	54	21224	10.691	ug/l	#	93
35) Benzene	5.79	78	137350	1.957	ug/l		97
36) 1,2-Dichloroethane	5.81	62	53525	2.058	ug/l		99
37) Trichloroethene	6.55	130	32868	1.981	ug/l		95
38) 1,2-Dichloropropane	6.80	63	39128	1.965	ug/l		95
39) Methacrylonitrile	5.00	41	18744	2.014	ug/l		94
40) Methyl acrylate	4.87	55	26066	2.043	ug/l	#	95
41) Tetrahydrofuran	5.09	42	18578	3.881	ug/l		95
42) 1-Chlorobutane	5.47	56	74810	1.955	ug/l		97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.93	93	23013	2.063 ug/l		97
44) Bromodichloromethane	7.12	83	53500	2.065 ug/l		99
45) 4-Methyl-2-Pentanone	7.81	43	131712	8.992 ug/l		98
46) t-1,4-Dichloro-2-butene	10.83	75	16793m	2.899 ug/l		
47) Methyl methacrylate	6.98	69	33111	3.554 ug/l		96
48) Ethyl methacrylate	8.34	69	27016	1.724 ug/l		100
49) Toluene	7.98	92	72025	1.866 ug/l		96
50) t-1,3-Dichloropropene	8.22	75	41623	1.859 ug/l		93
51) cis-1,3-Dichloropropene	7.62	75	45188	1.842 ug/l		97
52) 1,1,2-Trichloroethane	8.41	97	29879	2.118 ug/l		96
53) 1,3-Dichloropropane	8.58	76	48980	1.934 ug/l		100
54) 2-Hexanone	8.70	43	92805	9.069 ug/l		94
55) Dibromochloromethane	8.81	129	34282	2.027 ug/l		96
56) 1,2-Dibromoethane	8.93	107	27813	2.126 ug/l		95
58) Tetrachloroethene	8.56	164	29885	1.927 ug/l		97
59) Chlorobenzene	9.45	112	76817	1.880 ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.54	131	32601	2.031 ug/l		100
61) Pentachloroethane	11.42	117	26250	2.025 ug/l		94
62) Hexachloroethane	12.47	117	26682	2.022 ug/l		97
63) Ethyl Benzene	9.57	91	114066	1.686 ug/l		97
64) m/p-Xylenes	9.69	106	90614	3.392 ug/l		96
65) o-Xylene	10.10	106	42873	1.804 ug/l		97
66) Styrene	10.11	104	74214	1.723 ug/l		99
67) Bromoform	10.29	173	18420	2.012 ug/l		97
69) Isopropylbenzene	10.48	105	107036	1.689 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.78	83	38206	1.991 ug/l		100
71) 1,2,3-Trichloropropane	10.82	75	33495m	2.289 ug/l		
72) Bromobenzene	10.78	156	31264	1.892 ug/l		98
73) n-propylbenzene	10.90	120	30969	1.668 ug/l		90
74) 2-Chlorotoluene	10.98	126	31676	1.926 ug/l		93
75) 1,3,5-Trimethylbenzene	11.09	105	101491	1.739 ug/l		96
76) 4-Chlorotoluene	11.10	126	33239	1.950 ug/l		97
77) tert-Butylbenzene	11.42	119	95617	1.785 ug/l		98
78) 1,2,4-Trimethylbenzene	11.46	105	100846	1.680 ug/l		99
79) sec-Butylbenzene	11.64	105	135818	1.826 ug/l		97
80) Nitrobenzene	13.20	77	8831	9.728 ug/l	#	92
81) p-Isopropyltoluene	11.79	119	106303	1.716 ug/l		98
82) 1,3-Dichlorobenzene	11.74	146	70274	1.950 ug/l		100
83) 1,4-Dichlorobenzene	11.83	146	68771	1.887 ug/l		96
84) n-Butylbenzene	12.20	91	102851	1.652 ug/l		98
85) 1,2-Dichlorobenzene	12.21	146	68917	1.999 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.99	75	7351	2.051 ug/l		86
87) 1,2,4-Trichlorobenzene	13.83	180	33772	1.671 ug/l		97
88) Hexachlorobutadiene	14.01	225	20589	1.815 ug/l		96
89) Naphthalene	14.08	128	60503	1.820 ug/l		98
90) 1,2,3-Trichlorobenzene	14.32	180	33985	1.729 ug/l		97

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

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